### FEDERAL EINERGENCT INAMAGEMENT AGENCT

# PROJECT WORKSHEET REVIEW

DR-1952-CA

| INT EAST VALLEY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WATER DIST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2107                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FIPS#                                            | 071-001                    | HE-C          | 20       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------|---------------|----------|
| eview:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | William of Mark                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  |                            |               |          |
| SMITH RAY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Date submitted initial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | e forwarded                                      |                            |               |          |
| rwarded to SPAC for re                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | /iew                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Da                                              | te review retu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ırned from Si                                    | PAC                        |               |          |
| And the second s | $= \frac{1}{2} \frac{1}{2} \frac{1}{2} \left( \frac{1}{2} \frac{1}{2}$ | 大學 医囊溢虫                                         | $ \frac{1}{2 \frac{1}{p_1}} \sum_{i=1}^{p_2} \frac{1}{p_2} \sum_{i=1}^{$ |                                                  | For the second             | tip t         | s p      |
| GENERAL DESCRIF CATEGORY APPLICANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | FACILITY LOCATION                               | Í                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  | % WORK COM<br>LAT. & LONG. | IPLETED       | -        |
| DAMAGE DESCRIPT WHERE WHEN WHAT WORK IS COM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MHAT [CC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MPLETE, 3-DJ<br>TE PLAN & PHO                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  | DAMAGE}<br>PRIOR DAMA      |               | ACT      |
| SCOPE OF WORK:  ALL DAMAGED ELEME BASIS FOR PROJECTI CONSTRUCTION MET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | D COST - NOTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PLETED - NOT<br>E COMPLETED                      |                            | <u> </u>      |          |
| MITIGATION IS PART (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | RLIST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NOT FEASIB<br>ANDARDS [<br>(Check which on<br>O | GOOD CONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | If not feasible s<br>TRUCTION PF<br>Attached b/c | RACTICES                   | · ·           | HER      |
| •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | GEMENT [EO 11988]<br>Flired                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | WETLANDS<br>RM identified                       | <i>}</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8 Step proce                                     | ess attached [>S           | \$5,000]      |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | approved by.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  | Date.                      |               |          |
| Changed pre-disaster or Is it listed on State or COMMENTS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | storic over 50 Yea<br>Is it located in a F      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  |                            |               |          |
| Project is compliant, Ap                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | proved by:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  | Date:                      |               |          |
| NEPA: Statutorily excluded What permits are expec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ed and from which regul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Changed pre-disa<br>atory NEPA / Othe           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | His                                              | storic over 50 Ye          | ears old      | <u>~</u> |
| Project is compliant, Apr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  | Date:                      |               |          |
| notation made A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | one Required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | surance adjustmer                               | it made                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Insurance requ                                   | uired [obtain & r          | naintain],    |          |
| COMMENTS: Project is compliant, App                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | roved by:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  | Date:                      |               |          |
| rce Leader REVIEW:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 10 11                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  |                            |               |          |
| TFL:<br>FL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | TU 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ·18.11                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Date:                                            |                            | <del></del> - |          |
| nts:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2/00/11                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  |                            |               |          |
| STAITO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  |                            |               |          |
| <b>ments:</b><br>†9- <u>0'</u> s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | HMENTS# 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TO1                                             | ZI SHTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  | SPREAD SHE                 | _             | AP:      |
| REMOTE PROJECT APPROVA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | · · · · · · · · · · · · · · · · · · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | it, PW                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1-6                                              | TENITA                     |               |          |

# U.S. DEPARTMENT OF HOMELAND SECURITY

FEDERAL EMERGENCY MANAGEMENT AGENCY

### PROJECT WORKSHEET

#### PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 90 minutes per response. Burden means the time, effort and financial resources expended by persons to generate, maintain, disclose, or to provide information to us. You may send comments regarding the burden estimate or any aspect of the collection, including suggestions for reducing the burden to: Information Collections Management, U.S. Department of Homeland Security, Federal Emergency Management Agency, 500 C Street, SW, Washington, DC 20472, Paperwork Reduction Project (OMB Control Number 1660-0017). You are not required to respond to this collection of information unless a valid OMB number appears in the upper right corner of this form, NOTE: Do not send your completed questionnaire to this address.

| DECLARATION         | NO.         | PW REF NO.  | DATE     | FIPS NO.     | CATEGORY       | EMMIE NO.    |
|---------------------|-------------|-------------|----------|--------------|----------------|--------------|
| FEMA 1952 DF        | R CA        | EVWD-4C     | 05/16/11 | 071-0014E-00 | С              |              |
| APPLICANT           |             |             |          | <u> </u>     | WORK COMP      | LETED AS OF: |
| Cont Valley Water D | -4-1-4      |             |          |              | DATE:          | PERCENT      |
| East Valley Water D | ISTRICT     |             |          |              | 05/16/11       | 0%           |
| DAMAGED FACILIT     | /           |             |          |              | COUNTY         |              |
| Concrete Culvert or | n Plant 134 | Access Road |          |              | San Bernardino |              |
| LOCATION            |             |             |          |              | LATITUDE       | LONGITUDE    |
| Plant 134           |             |             |          |              | 34.13669       | -117.18924   |

Was this site previously damaged?

DAMAGE DESCRIPTION AND DIMENSIONS:

THIS PW IS WRITTEN TO ADDRESS A PORTION OF ITEM #4 OF EAST VALLEY WATER DISTRICT'S LIST OF PROJECTS

The event caused very high water flows, laden with extreme amounts of mud, vegetative debris, rocks and very large boulders, in Cook Canyon Creek, which normally flows under the applicants access road to Plant 134,thru a concrete culvert. During the event, the cast-in-place three box concrete culvert, each box 6 ft. high X 8 feet wide X 24 ft. flow length, with all walls 8 inches thick, took direct hits of very large boulders carried by high flows. Eventually, during the storm, the culvert plugged causing the stream to flow out of it's banks with mud flows across Highland Avenue and into downhill neighborhoods as far as 3/4 mile South of the culvert.

The Applicant retained an Engineer to evaluate the concrete culvert structure for damage following the event. The Engineer's damage assessment report (attached) indicates structural damage to the culvert and the integrity of the structure has been compromised. CONTINUED ON DDD\_SOW CONTINUATION SHEET

SCOPE OF WORK:

#### Fund at 75%

#### WORK TO BE COMPLETED

The Engineers report indicates that the integrity of the structure has been compromised, based on the visible conditions, and the uncertainty of probable hidden defects, and that any future extreme loading events pose a real concern. Currently, at the water treatment facility at Plant 134, construction operations are in process, and will most likely continue into future years, which will involve extreme heavy loads being transported across the concrete culvert in question.

The Engineer recommends demolition of the damaged culvert structure and rebuild inkind at an estimated cost of \$425,000.00. After applying the Cost Estimating Format to the cost estimate, by the Project Specialist, the cost is estimated at \$477,006.00

See attached Engineers Assessment , recomendations, estimates to repair in-kind, and hazard mitigation bridge replacement recomendations.

HMP ATTACHED

|               |             | PRO                        | DIECT COST |                |             |                |           | <u> </u>       |
|---------------|-------------|----------------------------|------------|----------------|-------------|----------------|-----------|----------------|
| ITEM          | CODE        | NARRATIVE                  |            | QUANTITY       | UNIT        | UNIT PRICE     |           | COST           |
|               |             | WORK TO BE COMPLETED       |            |                |             |                | \$        |                |
| 1             | 9000        | CEF-attached               |            | 1              | LS          | \$ 477,006.00  | \$        | 477,006.00     |
|               |             |                            |            |                |             |                | \$        |                |
|               |             |                            |            |                |             |                | \$        |                |
|               | L           |                            |            |                | <u> </u>    | ·              | \$        |                |
|               |             |                            |            |                |             |                | \$        |                |
|               |             |                            |            |                |             |                | \$        |                |
|               |             |                            |            |                |             |                | \$        |                |
|               |             |                            |            |                |             |                | \$        | ٠,             |
|               |             |                            |            |                |             |                | \$        | -i             |
|               | <u></u>     |                            |            |                |             |                | \$        | _              |
|               |             |                            | SUBTOTA    | L FROM COST    | CONTINU     | JATION PAGE(S) | \$        |                |
|               |             | DAR dealu                  |            |                | TOTAL       | PROJECT COST   | \$        | 477,006.00     |
| PREPARE       | D BY:       | Robert Ray                 |            | TITLE:         | Project Spe | cialist        |           | <u> </u>       |
| FEMA PAC      | CREW L      | EADER: Tim Smith           |            | STATE PAC CREW | / LEADER:   | Dave Rogers 4  | SL)       |                |
| APPLICAN      | T:          | Gary Sturdivan January     | >=-        | DATE:          |             | PHONE:         | 909       | -806-4087      |
| National PW 1 | emplate V2. | 2 February 2011 Excel 2007 |            |                |             | REPLACE        | S ALL PRI | VIOUS VERSIONS |

|           |                               |                      | <del></del> |                                                                                     |                        |               |               |                    |            |
|-----------|-------------------------------|----------------------|-------------|-------------------------------------------------------------------------------------|------------------------|---------------|---------------|--------------------|------------|
| Page      | 1                             | of                   | 1           |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     | EMERGENCY MANAGEMEN    |               |               |                    |            |
| DE(       | CLARAT                        | FION NI              |             | DAMAGE DES                                                                          | DATE                   |               | WORK<br>S NO. | CATEGORY           | TRANSIE NO |
| FEMA      | 1952                          | DR                   | CA          | EVWD-4C                                                                             | 05/16/11               |               | 014E-00       | CATEGORY           | EMMIE NO.  |
| APPLICA   | L                             |                      |             | LYTTO                                                                               |                        |               | W 14L-00      | COUNTY             |            |
| East Val  |                               | er Dist              | rict        |                                                                                     |                        |               |               | San Bernardi       | по         |
|           |                               |                      |             | DAMAGE DESCRI                                                                       | PTION & SCOPE OF W     | ORK (CONTI    | NUED):        |                    |            |
| DAMAGE    | = DESC                        | DIDTIC               | NI CON      |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
| and the N | <b>/l</b> iddle B<br>earing c | lox, indi<br>on both | icating the | tographed a 6 foot long<br>he crack is all the way th<br>f the support wall, indica | rough a bridge support | wall. Another | crack, 11 foo | ot long, on the sa | me support |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    | :          |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
|           | •                             |                      |             |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    | :          |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    | :          |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    | !          |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    | ,          |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    |            |
|           |                               |                      |             |                                                                                     |                        |               |               |                    | ;          |
|           |                               |                      |             |                                                                                     |                        |               |               |                    | · .        |
|           |                               |                      |             |                                                                                     |                        |               |               |                    | · ·        |
| PREPARE   | =D BY:                        | kobert l             | кау         |                                                                                     |                        | TITLE:        | Project Spe   | ecialist           | !          |

| <del></del>                       | FEC                                                         | DERAL EMERGENCY M                                                                                   |                                                                                     | ENCY                                                                                 |                            |                     |
|-----------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------|---------------------|
|                                   |                                                             | SCOPE                                                                                               |                                                                                     |                                                                                      | <del></del> -              |                     |
| APPLICANT                         |                                                             | PW REF NO.                                                                                          | CATEGORY                                                                            | FIPS NO.                                                                             | DISA                       | ASTER               |
| East Valley V                     | Water District                                              | EVWD-4C                                                                                             | С                                                                                   | 071-0014E-00                                                                         | 1952                       | CA                  |
|                                   | propriate comment                                           | for Data Specialis                                                                                  |                                                                                     | Scope of Work                                                                        |                            |                     |
| Topic                             | <del></del>                                                 |                                                                                                     | Comment                                                                             |                                                                                      |                            |                     |
| Record Retention                  |                                                             | e the last project was                                                                              |                                                                                     | d work must be mair<br>from the date final pa                                        |                            |                     |
| Direct<br>Administrative<br>Costs | this specific project only ar and uniformly not included in | project. Associated of<br>and in accordance with<br>as direct costs in all<br>an any approved indir | eligible work is re<br>vith 44 CFR 13.22<br>all federal awards<br>irect cost rates. | re costs that are dire related to administra 2. These costs are s and other subgrant | ation of the<br>treated co | e PA<br>onsistently |
| Mitigation                        | Work already Mitigation not Applicant has                   | ergency Work - Mitig<br>completed and no a<br>technically feasible.<br>decided not to inco          | igation not eligibl<br>add-on mitigation<br>e.<br>orporate mitigatio                | n is feasible.<br>on.                                                                |                            |                     |
| CEF                               | <del> </del>                                                | vas estimated using                                                                                 |                                                                                     |                                                                                      |                            |                     |
| CEF - Not Used                    |                                                             | <del>-</del>                                                                                        |                                                                                     |                                                                                      |                            |                     |
| Mitigation                        | HMP attached                                                | d                                                                                                   |                                                                                     |                                                                                      |                            |                     |
|                                   | Γ                                                           |                                                                                                     |                                                                                     |                                                                                      |                            |                     |
|                                   | j                                                           |                                                                                                     |                                                                                     |                                                                                      |                            |                     |
|                                   | Jane -                                                      |                                                                                                     |                                                                                     |                                                                                      |                            |                     |
|                                   | r                                                           |                                                                                                     |                                                                                     |                                                                                      |                            |                     |
|                                   | <b>J</b>                                                    |                                                                                                     |                                                                                     |                                                                                      |                            |                     |
|                                   | <u></u>                                                     |                                                                                                     |                                                                                     |                                                                                      |                            |                     |
|                                   |                                                             |                                                                                                     |                                                                                     |                                                                                      |                            |                     |
| PREPARED BY:                      | Robert Ray                                                  |                                                                                                     | TITLE: F                                                                            | Project Specialist                                                                   |                            |                     |

| DISASTER APPLICANT NAME PW REF NO. PIPS NO. DATE  1852   CA   East Valley Water District   PW REF NO.   FIPS NO.   DATE  1852   CA   East Valley Water District   PW REF NO.   FIPS NO.   05/16/11  1. Does the damaged facility or item of work have insurance and/or is it an insurable risk? (a.g., buildings, equipment, vehicles, atc.)  Yes @ No @ Unsure  2. Is the damaged facility located within a floodplain or coastal high hazard area, or does it have an impact on a floodplain or wetland  @ Yes @ No @ Unsure  3. Is the damaged facility or item of work located within or adjacent to a Coastal Barrier Resource System Unit or an Otherwise Protected Area?  Yes @ No @ Unsure  4. Will the proposed facility repairs/reconstruction change the pre-disaster condition? (a.g., teaprint, material, located, capacity, use or function of Yes @ No @ Unsure  5. Does the applicant have a hazard initigation proposal or would the applicant like technical assistance for a hazard proposal?  @ Yes @ No @ Unsure  5. Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard proposal?  @ Yes @ No @ Unsure  Facility Constructed in:  7. Are there any pristine or undisturbed areas on, or near, the project sife? Are there targe tracts of forestiand?  Yes @ No @ Unsure  3. Are there any phazardous materials at or adjacent to the damaged facility and/or item of work?  Yes @ No @ Unsure  3. Are there any other environmentality or controversial issues associated with the damaged facility and/or item of work?  Yes @ No @ Unsure                                                                         |                           | FEDERAL EMER                                   | RGENCY MANAGEMENT A        | GENCY                            |                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------------|----------------------------|----------------------------------|----------------------------|
| 1952 CA East Valley Water District EVW0-46 071-0914E-00 05716711  1. Does the damaged facility or item of work have insurance and/or is it an insurable risk? (e.g., buildings, equipment, vehicles, etc.)  (**Yes G** No C** Unsure**  2. Is the damaged facility located within a floodplain or coastal high hazard area, or does it have an impact on a floodplain or welfand G** Yes C** No C** Unsure**  3. Is the damaged facility or item of work located within or adjacent to a Coastal Barrier Resource System Unit or an Otherwise Protected Area?  (**Yes G** No C** Unsure**  4. Will the proposed facility repairs/reconstruction change the pre-dissaster condition? (e.g., hospirit material, location, capacity, use or function?  (**Yes G** No C** Unsure**  5. Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard proposal?  (**Yes G** No C** Unsure**  5. Toges the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard proposal?  (**Yes G** No C** Unsure**  7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland?  (**Yes G** No C** Unsure**  3. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work?  (**Yes G** No C** Unsure**  3. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work?  (**Yes G** No C** Unsure**  3. Are there any other environmentally or controversial issues associated with the damaged facility and/or item of work?  (**Yes G** No C** Unsure**  **EXPARED 8**: Robert Ray** |                           | SPECIAL                                        | CONSIDERATI                | ONS                              |                            |
| 1952 CA East Valley Water District EVW0-4C 071-0014E-00 057671  1. Does the damaged facility or item of work have insurance and/or is it an insurable risk? (e.g., buildings, equipment, vehicles, etc.)  (*Yes G No C Unsure**)  2. Is the damaged facility located within a floodplain or coastal high hazard area, or does it have an impact on a floodplain or wetland (fig. 1) or Unsure**  3. Is the damaged facility or item of work located within or adjacent to a Coastal Barrier Resource System Unit or an Otherwise Protected Area?  (*Yes G No C Unsure**)  4. Will the proposed facility repairs/reconstruction change the pre-disaster condition? (e.g., footprint, material, location, expectly, use or function (*Yes G No C Unsure**)  5. Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard proposal?  6. Yes G No C Unsure**  5. Lie the damaged facility on the National Register of Historic Places or the state historic listing? Is it older than 50 years? Are therefore, similar buildings near the site?  7. Yes G No C Unsure**  7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland?  7. Yes G No C Unsure**  8. Are there any posterior or undisturbed areas on, or near, the project site? Are there large tracts of forestland?  9. Yes G No C Unsure**  8. Are there any other environmentally or controversial issues associated with the damaged facility and/or item of work?  9. Yes G No C Unsure**  8. Robert Ray                                                                                                                  | DISASTER                  |                                                |                            |                                  | DATE                       |
| C Yes © No © Unsure  2. Is the damaged facility located within a floodplain or coastal high hazard area, or does it have an impact on a floodplain or wetland?  G Yes © No © Unsure  3. Is the damaged facility or item of work located within or adjacent to a Coastal Barrier Resource System Unit or an Otherwise Protected Area?  C Yes © No © Unsure  4. Will the proposed facility repairs/reconstruction change the pre-disaster condition? (e.g., footprint, material, location, capacity, use or function C Yes © No © Unsure  5. Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard proposal?  C Yes © No © Unsure  1. Set the damaged facility on the National Register of Historic Places or the state historic listing? Is it older than 50 years? Are theremore, similar buildings near the site?  C Yes © No © Unsure  Facility Constructed in:  7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland?  C Yes © No © Unsure  8. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work?  C Yes © No © Unsure  1. Robert Ray  Robert Ray  Robert Ray                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1952 CA                   |                                                | EVWD-4C                    |                                  |                            |
| 3. Is the damaged facility or item of work located within or adjacent to a Coastal Barrier Resource System Unit or an Otherwise Protected Area?  Yes © No © Unsure  4. Will the proposed facility repairs/reconstruction change the pre-disaster condition? (e.g., footprint, material, focation, capacity, use or function of the proposed facility repairs/reconstruction change the pre-disaster condition? (e.g., footprint, material, focation, capacity, use or function of the proposed facility in the proposed facility or unsure of the applicant like technical assistance for a hazard proposal?  Yes © No © Unsure  Facility Constructed in:  7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland?  Yes © No © Unsure  3. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work?  Yes © No © Unsure  Repare any other environmentally or controversial issues associated with the damaged facility and/or item of work?  Yes © No © Unsure  Repare any other environmentally or controversial issues associated with the damaged facility and/or item of work?  Yes © No © Unsure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |                                                | r is it an insurable risk? | (e.g., buildings, equipment,     | vehicles, etc.)            |
| 3. Is the damaged facility or item of work located within or adjacent to a Coastal Barrier Resource System Unit or an Otherwise Protected Area?  C Yes © No C Unsure  4. Will the proposed facility repairs/reconstruction change the pre-disaster condition? (e.g., footprint, malerial, location, capacity, use or function C Yes © No C Unsure  5. Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard proposal?  G Yes © No C Unsure  HMP attached with CEF.  5. Is the damaged facility on the National Register of Historic Places or the state historic listing? Is it older than 50 years? Are there more, similar buildings near the site?  C Yes © No C Unsure  Facility Constructed In:  7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland?  C Yes © No C Unsure  8. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work?  C Yes © No C Unsure  Repared by: Robert Ray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2. Is the damaged facili  | ty located within a floodplain or coastal high | ı hazard area, or does i   | t have an impact on a flo        | podplain or wetland?       |
| Protected Area?  (*Yes ** No **C Unsure**)  4. Will the proposed facility repairs/reconstruction change the pre-disaster condition? (e.g., footprint, material, location, capacity, use or function of Yes ** No **C Unsure**)  5. Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard proposal?  (*Yes **) No **C Unsure**)  1. Is the damaged facility on the National Register of Historic Places or the state historic listing? Is it older than 50 years? Are there more, similar buildings near the site?  (*Yes **) No **C Unsure**  Facility Constructed In:  7. Are there any pristine or undisturbed areas on, or near, the project sife? Are there large tracts of forestland?  (*Yes **) No **C Unsure**  3. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work?  (*Yes **) No **C Unsure**  3. Are there any other environmentally or controversial issues associated with the damaged facility and/or item of work?  (*Yes **) No **C Unsure**  (*Robert Ray**  Robert Ray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ඳYes ⊂ No ← Unsu          | те                                             |                            |                                  |                            |
| 4. Will the proposed facility repairs/reconstruction change the pre-disaster condition? (e.g., tootprint, material, location, capacity, use or function.)  C Yes © No © Unsure  5. Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard proposal?  C Yes © No © Unsure  HMP attached with CEF.  5. Is the damaged facility on the National Register of Historic Places or the state historic listing? Is it older than 50 years? Are there more, similar buildings near the site?  C Yes © No © Unsure  Facility Constructed in:  7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland?  C Yes © No © Unsure  3. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work?  C Yes © No © Unsure  3. Are there any other environmentally or controversial issues associated with the damaged facility and/or item of work?  C Yes © No © Unsure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Protected Area?           | •                                              | to a Coastal Barrier Re    | esource System Unit or           | an Otherwise               |
| CYes © No © Unsure  5. Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard proposal?  6. Yes © No © Unsure  HMP attached with CEF.  5. Is the damaged facility on the National Register of Historic Places or the state historic listing? Is it older than 50 years? Are there more, similar buildings near the site?  CYes © No © Unsure  Facility Constructed In:  7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland?  CYes © No © Unsure  8. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work?  CYes © No © Unsure  9. Are there any other environmentally or controversial issues associated with the damaged facility and/or item of work?  CYes © No © Unsure  REPARED BY: Robert Ray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | r Yes (• No (° Unsul      | e                                              |                            |                                  |                            |
| 5. Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard proposal?  6. Yes C No C Unsure HMP attached with CEF.  6. Is the damaged facility on the National Register of Historic Places or the state historic listing? Is it older than 50 years? Are there more, similar buildings near the site?  7. Yes C No C Unsure  7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland?  7. Yes C No C Unsure  8. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work?  9. Are there any other environmentally or controversial issues associated with the damaged facility and/or item of work?  9. Are there any other environmentally or controversial issues associated with the damaged facility and/or item of work?  9. Are there any other environmentally or controversial issues associated with the damaged facility and/or item of work?  9. Yes C No C Unsure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4. Will the proposed fac  | ility repairs/reconstruction change the pre-   | lisaster condition? (e.g.  | , footprint, material, location, | capacity, use or function) |
| Fyes No Cunsure  This attached with CEF.  Is the damaged facility on the National Register of Historic Places or the state historic listing? Is it older than 50 years? Are there more, similar buildings near the site?  Facility Constructed In:  The Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland?  Fyes No Cunsure  Are there any hazardous materials at or adjacent to the damaged facility and/or item of work?  Fyes No Cunsure  Are there any other environmentally or controversial issues associated with the damaged facility and/or item of work?  Fyes No Cunsure  Repared By: Robert Ray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ົYes ເົNo ເົUnsui         | re                                             |                            |                                  |                            |
| HMP attached with CEF.  5. Is the damaged facility on the National Register of Historic Places or the state historic listing? Is it older than 50 years? Are there more, similar buildings near the site?  C Yes © No © Unsure  Facility Constructed In:  7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland?  C Yes © No © Unsure  8. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work?  C Yes © No © Unsure  8. Are there any other environmentally or controversial issues associated with the damaged facility and/or item of work?  C Yes © No © Unsure  REPARED BY: Robert Ray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Does the applicant ha     | ave a hazard mitigation proposal or would the  | ne applicant like technic  | al assistance for a haza         | rd proposal?               |
| PREPARED BY: Robert Ray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ļ                         |                                                |                            |                                  |                            |
| 7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland?  Yes No Unsure  3. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work?  Yes No Unsure  3. Are there any other environmentally or controversial issues associated with the damaged facility and/or item of work?  Yes No Unsure  REPARED BY: Robert Ray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           |                                                | s or the state historic li | sting? Is it older than 50       | years? Are there           |
| PREPARED BY: Robert Ray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ົYes ເ⊂No ເ⊂Unsur         | e                                              | Fa                         | cility Constructed In:           |                            |
| 3. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work?  Yes No Unsure  3. Are there any other environmentally or controversial issues associated with the damaged facility and/or item of work?  Yes No Unsure  Repared by: Robert Ray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 7. Are there any pristine | or undisturbed areas on, or near, the proje    | ct site? Are there large   | tracts of forestland?            |                            |
| Yes No C Unsure  Are there any other environmentally or controversial issues associated with the damaged facility and/or item of work?  Yes No C Unsure  REPARED BY: Robert Ray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ີ Yes ເຈົ No i Ĉ Unsur    | e                                              |                            |                                  |                            |
| Are there any other environmentally or controversial issues associated with the damaged facility and/or item of work?  Yes No Unsure  REPARED BY: Robert Ray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3. Are there any hazard   | ous materials at or adjacent to the damaged    | I facility and/or item of  | work?                            |                            |
| Yes No C Unsure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | °Yes ເ≏ No i⊂ Unsur       | е                                              |                            |                                  |                            |
| PREPARED BY: Robert Ray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Are there any other e     | nvironmentally or controversial issues associ  | ciated with the damage     | d facility and/or item of v      | vork?                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | `Yes ເNo (`Unsum          |                                                |                            |                                  |                            |
| stings OM Templeto V2 7 Enhance 2011 Eyes 2007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | REPARED BY: Robert        |                                                |                            |                                  |                            |

#### 

Applicant proposes a Hazard Mitigation to replace the existing damaged concrete box culvert with a single box culvert, with an increase in opening size from 144 SF to 300 SF. This increase in opening size from 6 ft vertical opening to 10 ft., and 30 ft. clear horizontal opening, and an increase in thickness in the top slab in order to span the 30 ft.,, with the culvert width still at 28 ft.

The roadway approach grades will need to be raised approx. 3 ft.to add the increase in culvert vertical opening of 2 ft., plus the increases slab thickness. The existing channel invert would be maintained with the new culvert.

Attached is the Engineers cost estimate to replace the existing damaged bridge with the larger opening size concrete culvert. Engineer has estimated the Mitigated Bridge Replacement at \$578,000.00.

Due to this being a large project, a CEF (attached) has been produced to reflect the cost of a mitigated new structure(\$648,468.00)

Actual Cost For Mitigation = CEF for Reconstructing the Culvert with Mitigation (\$648,468.00) Minus the CEF cost to Replace In-Kind (\$477,006.00) 🗹

= \$171,462.00

tional PW Template V2.2 February 2011 Excel 2007

|                                | ESTI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MATE OF WORK                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CODE                           | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                              | QUANTITY                                                                                                                                                                                                                                                                                                                                                 | UNIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | UNIT PRICE                                                              | COST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                          | $\square$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 9000_                          | Cost for Mitigation ( Upgraded Culvert)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                              | 1.00                                                                                                                                                                                                                                                                                                                                                     | LS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | \$171,462.00                                                            | \$171,462.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                          | ļ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                         | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                          | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <del> </del>                                                            | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                          | <del>  </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                         | <del> </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                          | <del>                                     </del>                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         | <del> </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | · · · · · · · · · · · · · · · · · · ·                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                          | <del></del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <del></del>                                                             | <del> </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                          | <del> </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                         | <del>                                     </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ·                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ·                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                          | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                          | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                         | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <del>-</del>                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         | <del> </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                              | -                                                                                                                                                                                                                                                                                                                                                        | <del>                                     </del>                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                         | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                          | <del></del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <del></del>                                                             | <del> </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Kind Rep                       | air/Replacement Cost of Damaged Element(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | \$477,006.00                                                                                                                                                                                                                                                                                                                 | <del></del>                                                                                                                                                                                                                                                                                                                                              | -4-11588                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2.0                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| al Eligibl                     | e Cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 35.95%                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| у                              | ,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 100% Rule                                                                                                                                                                                                                                                                                                                    | (Do Not                                                                                                                                                                                                                                                                                                                                                  | tucinge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | in the PVV)                                                             | \$171,462.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| L SPECIA                       | ALIST FOR MITIGATION (SIGNATURE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                              | Agency                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         | Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| RECOMMENDED BY (SIGNATURE)     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                              | Agency                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         | Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| CONCURRENCE BY STATE INSPECTOR |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                              | Аделсу                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         | Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| CONCURRENCE BY APPLICANT       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                              | Agency                                                                                                                                                                                                                                                                                                                                                   | <del> </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Date                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| nature by                      | the Federal Inspector is not an approval of this work,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | and signature by the                                                                                                                                                                                                                                                                                                         | state and Local                                                                                                                                                                                                                                                                                                                                          | Represe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ntative is not a con                                                    | l<br>nmitment to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                | SPECIAL SPECIA | CODE WORK TO BE COMPLETED  9000 Cost for Mitigation ( Upgraded Culvert)  Kind Repair/Replacement Cost of Damaged Element(s) at Eligible Cost  Y  L SPECIALIST FOR MITIGATION (SIGNATURE)  ENDED BY (SIGNATURE)  ENCE BY STATE INSPECTOR  ENCE BY APPLICANT  nature by the Federal Inspector is not an approval of this work, | WORK TO BE COMPLETED  9000 Cost for Mitigation ( Upgraded Culvert)  Kind Repair/Replacement Cost of Damaged Élement(s)  at Eligible Cost  y  100% Rule  L SPECIALIST FOR MITIGATION (SIGNATURE)  ENDED BY (SIGNATURE)  ENCE BY STATE INSPECTOR  ENCE BY APPLICANT  nature by the Federal Inspector is not an approval of this work, and signature by the | CODE WORK TO BE COMPLETED  9000 Cost for Mitigation (Upgraded Culvert)  1.00  Kind Repair/Replacement Cost of Damaged Element(s) \$477,006.00  al Eligible Cost  Y 100% Rule  L SPECIALIST FOR MITIGATION (SIGNATURE)  ENDED BY (SIGNATURE)  ENCE BY STATE INSPECTOR  Repair/Replacement Cost of Damaged Element(s) \$477,006.00  TITLE Agency  Agency  Agency  Agency  Agency  ENCE BY APPLICANT  Agency  Agency | CODE   DESCRIPTION   QUANTITY   UNIT   WORK TO BE COMPLETED   1.00   LS | CODE WORK TO BE COMPLETED  9000 Cost for Mitigation (Upgraded Culvert)  1.00 LS \$171,462.00  LS \$171,462.00  LS \$171,462.00  1.00 LS \$171,462.00  Total HMP Cost (Do Not include in the PW)  LS \$171,462.00  Total HMP Cost (Do Not include in the PW)  Agency  INDED BY (SIGNATURE)  INDED BY (SIGNATURE)  TITLE Agency  Agency  ENCE BY STATE INSPECTOR  ENCE BY APPLICANT  Agency  Agency |

|          |                  | FEDERAL EMERGENCY MANAGEMEN HAZARD MITIGATION PROPOSAL                  | · ·               | RY           |            |
|----------|------------------|-------------------------------------------------------------------------|-------------------|--------------|------------|
| DISA     | ASTER            | APPLICANT                                                               | PW REF NO.        | FIPS NO.     | CATEGORY   |
| 1952     | CA               | East Valley Water District                                              | EVWD-4C           | 071-0014E-00 | CATEGORY   |
| <b>☑</b> |                  | ivity will be performed on sites in this project.                       |                   | 071-00142-00 |            |
|          | If there is no n | nitigation activity explain why not.                                    |                   |              |            |
|          |                  |                                                                         |                   | į            |            |
|          | Codes and Sta    | ındards                                                                 | :                 |              |            |
|          | Good Constru     | ction Practices                                                         |                   |              |            |
| V        | Mitigation Poli  | cy 15 percent 100 percent list Benefit/Cost Ratio (Attach B/C analysis) |                   |              | . !        |
|          | Other:           | Benefit/Cost Natio (Attach B/C analysis)                                | . :               |              |            |
|          |                  |                                                                         |                   |              |            |
|          | Enter cost of m  | itigation project as percent of in-kind repair or                       | as dollar amount: |              |            |
|          | Dollar Amount:   | \$171,462.00                                                            | Percent:          | 35.95%       | i          |
| 7        | Check here if yo | ou wish to attach a Hazard-Mitigation Proposal                          |                   |              |            |
| Dec      | nd But           | 1 Pay                                                                   | <u> </u>          |              | 5/16/2011  |
| Prepar   | red By: Rober    |                                                                         | <del></del>       |              | 3/ 10/2011 |

#### FEDERAL EMERGENCY MANAGEMENT AGENCY

### **PHOTO SHEET**

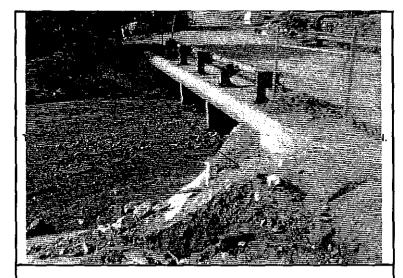
APPLICANT: East Valley Water District

CATEGORY: PW REF NO.

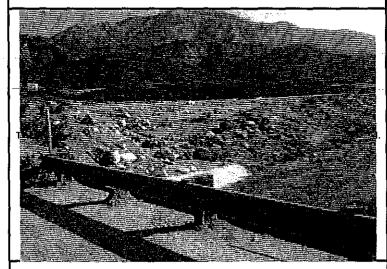
C EVWD-4C

FIPS NO.

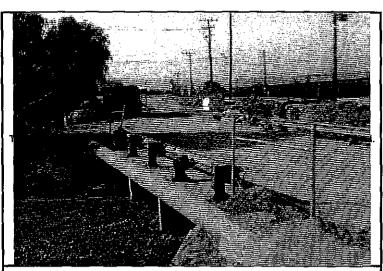
071-0014E-00



The nearest box is the one with the severe cracking, including the support wall in the foreground(Nearest visible wall).



Area of Cook Canyon Creek, looking upstream, showing the types of debris, including boulders that were flowing thru the culvert during the event, damaging the culvert, and eventually plugging the culvert and overflowing.



This photo is looking South on the access road, across the Culvert towards Highland Ave., which is loacated approx. 300 feet past the culvert, Mud flows from the overflow, after this culvert plugged, went down this road, across Highland and into neighborhoods for approx. 3/4 mile.

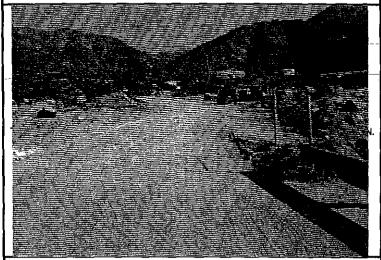
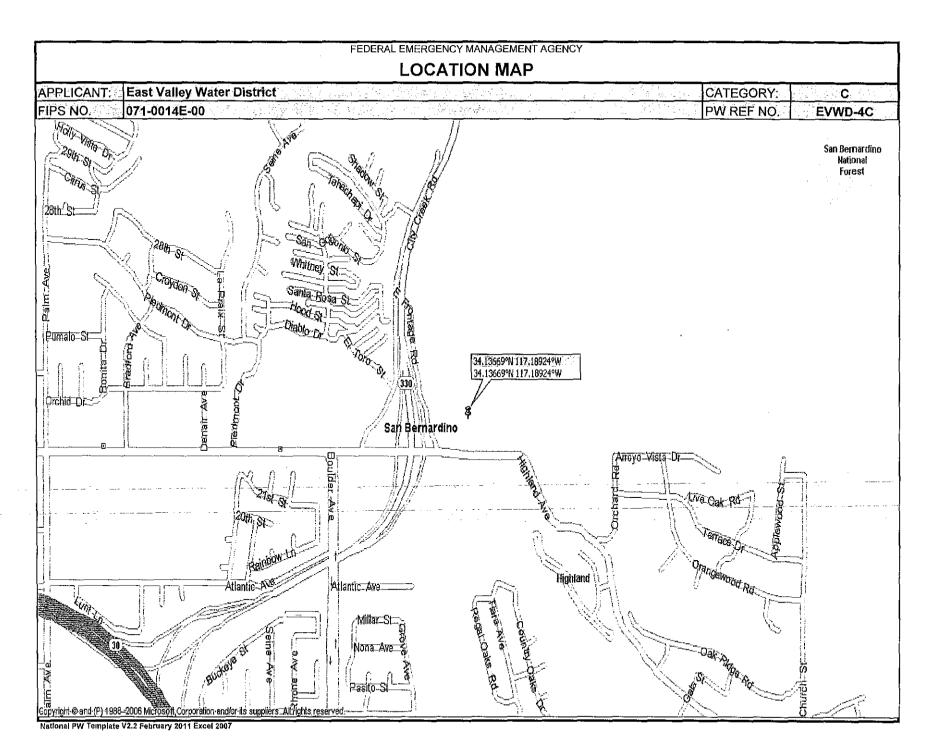


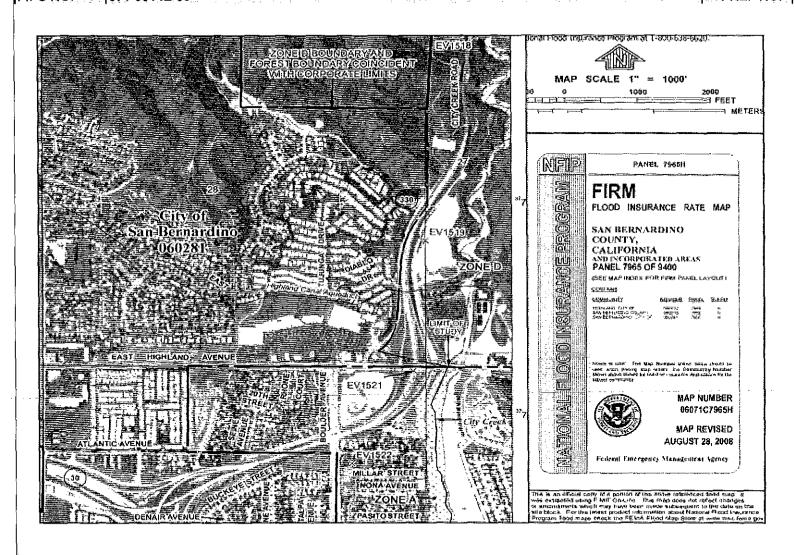
Photo from standing on the culvert and looking towards the Applicant's Water Treatment Facility at the end of the access road. Note debris from overflowing mud when culvert plugged, stacked on both sides of the road and included in PW # EVWD-4 for Plant 134 debris.



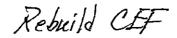
#### FEDERAL EMERGENCY MANAGEMENT AGENCY

### **FIRMETTE**

APPLICANT: East Valley Water District CATEGORY: C
FIPS NO. 071-0014E-00 PW REF NO. EVWD-4C



National PW Template V2.2 February 2011 Excel 2007



# **CEF Fact Sheet**

| Date of Estimate:         | May 17, 2011                                                                                       |
|---------------------------|----------------------------------------------------------------------------------------------------|
| FEMA Region:              | 9                                                                                                  |
| Preparer(s):              | Robert Ray                                                                                         |
| Applicant Name:           | East Valley Water District                                                                         |
| Project Title:            | Plant 134 Access Road Concrete Box Culvert                                                         |
| Damaged Facility:         | Concrete Box Culvert                                                                               |
| Declaration Number:       | 1952                                                                                               |
| Project Number:           | EVWD-4C                                                                                            |
| PA ID No.:                | 071-0014E-00                                                                                       |
| Date of Inspection:       | 3/4/11 and Engineers Inspection 3/28/11                                                            |
| Event Date(s)             | 12/17/11 thru 1/4/11                                                                               |
| Work Category:            | C                                                                                                  |
| Type of Work:             | Replace Damaged Box Culvert                                                                        |
| (Enter New, Repair, etc.) |                                                                                                    |
|                           |                                                                                                    |
|                           |                                                                                                    |
|                           |                                                                                                    |
|                           |                                                                                                    |
| Scope:                    | Replace damaged cast in place 3 box concrete culvert, each box 6 ft high, 8 ft. wide , and 24 feet |
|                           | long. Partition walls, top and bottom slabs are 8 inch thick concrete.                             |
|                           |                                                                                                    |
|                           |                                                                                                    |
|                           |                                                                                                    |
|                           |                                                                                                    |
|                           |                                                                                                    |

# **CEF Notes**

| Damaged Facility: |                   | Concrete Box Culvert       |
|-------------------|-------------------|----------------------------|
| Applicant Name:   |                   | East Valley Water District |
| Project Number:   |                   | EVWD-4C                    |
| Date of Estimate: |                   | May 17, 2011               |
| Preparer(s):      |                   | Robert Ray                 |
| Part A Notes:     | A.1 -             |                            |
|                   | A.2 -             | <u>'</u>                   |
| Part B Notes:     | B.1 -             |                            |
|                   | B.2 -             |                            |
|                   |                   |                            |
| Part C Notes:     | C.1 -             |                            |
|                   | C.2 -             |                            |
| 1                 | C.3 -             |                            |
|                   | C.4 -             |                            |
| Part D Notes:     | D.1 -             |                            |
| ļ                 | D.2 -             |                            |
|                   | D.3 -             |                            |
| Part E Notes:     | E.1 -             |                            |
|                   |                   |                            |
|                   |                   |                            |
| Part F Notes:     | F.1 -             |                            |
| [                 | F.2 -             |                            |
|                   | · · · · · · · · · |                            |
| Part G Notes:     | G.1 -             |                            |
|                   | i                 |                            |
|                   |                   |                            |
| Part H Notes:     | H.1 -             |                            |
|                   | H.2 -             |                            |
|                   | H.3 -             |                            |
| Miscellaneous     |                   |                            |
| Notes &           |                   |                            |
| Comments:         |                   |                            |
| Use mouse to      |                   |                            |
| Activate Cursor:  |                   |                            |
|                   |                   |                            |

### **CEF Part A Estimate**

| Item<br>No. | Item Description Title / Component Description                                                                   | Div. # or<br>Cost Code       | Qty                  | Units                                    | Unit Price                                                                                                                                                                                                | City Adj<br>Factor   |                                                             | Total Cost                                                    |
|-------------|------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------|---------------------------------------------------------------|
| ompl        | eted                                                                                                             |                              |                      |                                          | :                                                                                                                                                                                                         |                      | _                                                           |                                                               |
|             | Permanent                                                                                                        | · <del>-</del>               |                      |                                          |                                                                                                                                                                                                           |                      |                                                             |                                                               |
|             |                                                                                                                  |                              |                      |                                          | \$ -                                                                                                                                                                                                      |                      | \$                                                          | -                                                             |
|             |                                                                                                                  |                              | 000                  | <u> </u>                                 | \$ -                                                                                                                                                                                                      |                      | \$                                                          | <u>-</u>                                                      |
|             |                                                                                                                  |                              |                      |                                          | \$ -                                                                                                                                                                                                      |                      | \$                                                          |                                                               |
|             |                                                                                                                  |                              |                      |                                          | \$ ~                                                                                                                                                                                                      |                      | \$                                                          |                                                               |
|             |                                                                                                                  |                              |                      |                                          | \$ -                                                                                                                                                                                                      |                      | \$                                                          |                                                               |
|             |                                                                                                                  |                              |                      |                                          | \$ -                                                                                                                                                                                                      |                      | \$                                                          |                                                               |
|             |                                                                                                                  |                              |                      |                                          | _ <del>\$</del>                                                                                                                                                                                           |                      | \$                                                          |                                                               |
|             |                                                                                                                  |                              |                      |                                          | \$ -                                                                                                                                                                                                      |                      | \$                                                          |                                                               |
|             |                                                                                                                  |                              | Co                   | mplete                                   | d - Perman                                                                                                                                                                                                | ent Total            | \$                                                          |                                                               |
|             | Non-Permanent                                                                                                    |                              | ~                    |                                          | ·                                                                                                                                                                                                         | 1                    |                                                             |                                                               |
|             |                                                                                                                  |                              |                      |                                          | \$ -                                                                                                                                                                                                      | <u></u>              | \$                                                          |                                                               |
|             |                                                                                                                  |                              |                      |                                          | \$ -<br>\$ -                                                                                                                                                                                              |                      | \$                                                          |                                                               |
| -           |                                                                                                                  | <del></del>                  |                      |                                          | <del>-  </del>                                                                                                                                                                                            |                      | \$                                                          |                                                               |
|             |                                                                                                                  |                              |                      |                                          | \$ -                                                                                                                                                                                                      |                      | \$                                                          |                                                               |
|             |                                                                                                                  | <del></del>                  |                      | <del>  </del>                            | \$ -<br>\$ -                                                                                                                                                                                              |                      | \$                                                          |                                                               |
|             |                                                                                                                  | <del></del> - <del> </del> - |                      |                                          | \$ -<br>\$ -                                                                                                                                                                                              |                      | \$                                                          | -                                                             |
|             | <u> </u>                                                                                                         |                              |                      | <u> </u>                                 | Ψ -                                                                                                                                                                                                       |                      | ų.                                                          |                                                               |
| _           |                                                                                                                  |                              |                      |                                          | e:                                                                                                                                                                                                        |                      | 4                                                           |                                                               |
|             |                                                                                                                  |                              | Comple               | ted - N                                  | s -<br>on-Perman                                                                                                                                                                                          | ent Total            | \$<br>\$                                                    | -                                                             |
| псот        | pleted                                                                                                           |                              | Comple               | ted - N                                  | s -<br>on-Perman                                                                                                                                                                                          | ent Total            |                                                             |                                                               |
|             | Permanent                                                                                                        |                              |                      |                                          | on-Perman                                                                                                                                                                                                 |                      | \$                                                          | -                                                             |
| 1           | Permanent  Const.3 box concrete culvert include demo                                                             | 9999                         | 1.00                 | LS                                       | on-Perman<br>\$337,000.00                                                                                                                                                                                 | 1.00                 | \$                                                          | 337,000.0                                                     |
| 1 2         | Permanent  Const.3 box concrete culvert include demo  Engineering Design                                         | 9999                         | 1.00                 | LS<br>LS                                 | \$337,000.00<br>\$ 40,000.00                                                                                                                                                                              | 1.00                 | \$<br>\$<br>\$                                              | 337,000.0                                                     |
| 1           | Permanent  Const.3 box concrete culvert include demo                                                             | <del></del>                  | 1.00                 | LS                                       | \$337,000.00<br>\$ 40,000.00<br>\$ 30,000.00                                                                                                                                                              | 1.00                 | \$<br>\$<br>\$                                              | 337,000.0<br>40,000.0                                         |
| 1 2         | Permanent  Const.3 box concrete culvert include demo  Engineering Design                                         | 9999                         | 1.00                 | LS<br>LS                                 | \$337,000.00<br>\$ 40,000.00<br>\$ 30,000.00<br>\$ -                                                                                                                                                      | 1.00                 | \$<br>\$<br>\$<br>\$                                        | 337,000.0<br>40,000.0<br>30,000.0                             |
| 1 2         | Permanent  Const.3 box concrete culvert include demo  Engineering Design                                         | 9999                         | 1.00                 | LS<br>LS                                 | \$337,000.00<br>\$ 40,000.00<br>\$ 30,000.00<br>\$ -<br>\$ -                                                                                                                                              | 1.00                 | \$<br>\$<br>\$<br>\$<br>\$                                  | 337,000.0<br>40,000.0<br>30,000.0                             |
| 1 2         | Permanent  Const.3 box concrete culvert include demo  Engineering Design                                         | 9999                         | 1.00                 | LS<br>LS                                 | \$337,000.00<br>\$ 40,000.00<br>\$ 30,000.00<br>\$ -<br>\$ -<br>\$ -                                                                                                                                      | 1.00                 | \$<br>\$<br>\$<br>\$<br>\$                                  | 337,000.0<br>40,000.0<br>30,000.0                             |
| 1 2         | Permanent  Const.3 box concrete culvert include demo  Engineering Design                                         | 9999                         | 1.00                 | LS<br>LS                                 | \$337,000.00<br>\$ 40,000.00<br>\$ 30,000.00<br>\$ -<br>\$ -<br>\$ -<br>\$ -                                                                                                                              | 1.00                 | \$<br>\$<br>\$<br>\$<br>\$<br>\$                            | 337,000.0<br>40,000.0<br>30,000.0                             |
| 1 2         | Permanent  Const.3 box concrete culvert include demo  Engineering Design                                         | 9999                         | 1.00<br>1.00<br>1.00 | LS<br>LS                                 | \$337,000.00<br>\$ 40,000.00<br>\$ 30,000.00<br>\$ -<br>\$ -<br>\$ -<br>\$ -                                                                                                                              | 1.00                 | \$<br>\$<br>\$<br>\$<br>\$<br>\$                            | 337,000.0<br>40,000.0<br>30,000.0                             |
| 1 2         | Permanent  Const.3 box concrete culvert include demo  Engineering Design  CM and Testing Services                | 9999                         | 1.00<br>1.00<br>1.00 | LS<br>LS                                 | \$337,000.00<br>\$ 40,000.00<br>\$ 30,000.00<br>\$ -<br>\$ -<br>\$ -<br>\$ -                                                                                                                              | 1.00                 | \$<br>\$<br>\$<br>\$<br>\$<br>\$                            | 337,000.0<br>40,000.0<br>30,000.0                             |
| 1 2 3       | Permanent  Const.3 box concrete culvert include demo  Engineering Design  CM and Testing Services  Non-Permanent | 9999                         | 1.00<br>1.00<br>1.00 | LS LS LS mplete                          | \$337,000.00<br>\$ 40,000.00<br>\$ 30,000.00<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -                                                                                                                      | 1.00<br>1.00<br>1.00 | \$<br>\$<br>\$<br>\$<br>\$<br>\$<br>\$<br>\$                | 337,000.0<br>40,000.0<br>30,000.0<br>-<br>-<br>-<br>407,000.0 |
| 1 2         | Permanent  Const.3 box concrete culvert include demo  Engineering Design  CM and Testing Services                | 9999                         | 1.00<br>1.00<br>1.00 | LS L | \$337,000.00<br>\$ 40,000.00<br>\$ 30,000.00<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -                                                                                                              | 1.00                 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$    | 337,000.0<br>40,000.0<br>30,000.0<br>-<br>-<br>-<br>407,000.0 |
| 1 2 3       | Permanent  Const.3 box concrete culvert include demo  Engineering Design  CM and Testing Services  Non-Permanent | 9999                         | 1.00<br>1.00<br>1.00 | LS L | \$337,000.00<br>\$ 40,000.00<br>\$ 30,000.00<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -                                                                                      | 1.00<br>1.00<br>1.00 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$                         | 337,000.0<br>40,000.0<br>30,000.0<br>-<br>-<br>-<br>407,000.0 |
| 1 2 3       | Permanent  Const.3 box concrete culvert include demo  Engineering Design  CM and Testing Services  Non-Permanent | 9999                         | 1.00<br>1.00<br>1.00 | LS L | \$337,000.00<br>\$ 40,000.00<br>\$ 30,000.00<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -                                                                              | 1.00<br>1.00<br>1.00 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$    | 337,000.0<br>40,000.0<br>30,000.0<br>-<br>-<br>-<br>407,000.0 |
| 1 2 3       | Permanent  Const.3 box concrete culvert include demo  Engineering Design  CM and Testing Services  Non-Permanent | 9999                         | 1.00<br>1.00<br>1.00 | LS L | \$337,000.00<br>\$ 40,000.00<br>\$ 30,000.00<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -                                                                              | 1.00<br>1.00<br>1.00 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$       | 337,000.0<br>40,000.0<br>30,000.0<br>-<br>-<br>-<br>407,000.0 |
| 1 2 3       | Permanent  Const.3 box concrete culvert include demo  Engineering Design  CM and Testing Services  Non-Permanent | 9999                         | 1.00<br>1.00<br>1.00 | LS L | \$337,000.00<br>\$ 40,000.00<br>\$ 30,000.00<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -                                                                              | 1.00<br>1.00<br>1.00 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$    | 337,000.0<br>40,000.0<br>30,000.0<br>-<br>-<br>-<br>407,000.0 |
| 1 2 3       | Permanent  Const.3 box concrete culvert include demo  Engineering Design  CM and Testing Services  Non-Permanent | 9999                         | 1.00<br>1.00<br>1.00 | LS L | \$337,000.00<br>\$ 40,000.00<br>\$ 30,000.00<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br><b>d</b> - <b>Permane</b><br>\$ 18,000.00<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ - | 1.00<br>1.00<br>1.00 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$    | 337,000.0<br>40,000.0<br>30,000.0<br>-<br>-<br>-<br>407,000.0 |
| 1 2 3       | Permanent  Const.3 box concrete culvert include demo  Engineering Design  CM and Testing Services  Non-Permanent | 9999                         | 1.00<br>1.00<br>1.00 | LS L | \$337,000.00<br>\$40,000.00<br>\$30,000.00<br>\$-<br>\$-<br>\$-<br>\$-<br>\$-<br>\$-<br>\$-<br>\$-<br>\$-<br>\$-<br>\$-<br>\$-<br>\$-                                                                     | 1.00<br>1.00<br>1.00 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 337,000.0<br>40,000.0<br>30,000.0<br>-<br>-<br>-<br>407,000.0 |
| 1 2 3       | Permanent  Const.3 box concrete culvert include demo  Engineering Design  CM and Testing Services  Non-Permanent | 9999                         | 1.00<br>1.00<br>1.00 | LS LS LS LS LS                           | \$337,000.00<br>\$ 40,000.00<br>\$ 30,000.00<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br><b>d</b> - <b>Permane</b><br>\$ 18,000.00<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ - | 1.00<br>1.00<br>1.00 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$    | 337,000.0<br>40,000.0<br>30,000.0<br>-<br>-<br>-<br>407,000.0 |

|        | East Valley Water Dist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | rict - I                                 | Plant 13                 | 34       | Acces                          | s Ro        | oad C         | Con   | cret                    | е Во    | x Cı           | livert                                           |        |              |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------------|----------|--------------------------------|-------------|---------------|-------|-------------------------|---------|----------------|--------------------------------------------------|--------|--------------|
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          | Replac                   | e Dai    | maged Bo                       | \$          | -             | \$    | -                       | \$      | -              | \$                                               | -      | Total        |
| PARTA  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          | Base Costs" f            |          | onstruction '                  | VVark-Ir    | ı Trades      |       |                         |         | •••            |                                                  |        |              |
| A.1    | Permanent Work (From Part A Estimate)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                          | KINSHINDUGAT             | \$       | 407,000                        |             |               |       |                         | Ι       |                |                                                  | \$     | 407,000      |
| A.2    | Non-Permanent Job Specific Work (From Par                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | t A Estir                                | nate)                    | \$       | 18,000                         | Ε           |               | L     |                         |         |                | 1                                                | \$     | 18,000       |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | P                                        | art A Total              | \$       | 425,000                        | \$          | ===           | S     |                         | \$      | <u>:</u>       | \$                                               | - \$   | 425,000      |
| PARTB  | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Ger                                      | neral Require            | men      | ts and Gen                     | eral Co     | nditions      |       |                         |         |                |                                                  |        |              |
| B.1    | General Regulrements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | R                                        | ange<br>to High          |          |                                | En:         | ter % i       | n Apr | -<br>oropria            | te Coli | ımn            |                                                  |        |              |
|        | Safety & Security - Airports, Ports & Govt. Owned Marinas<br>Temporary Services & Utilities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4.0%                                     | 6.0%                     |          | 1.00%                          | Γ           |               |       |                         | Ŧ       |                |                                                  |        |              |
|        | Quality Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.0%                                     | 1.0%                     | <u> </u> | 0.50%                          |             |               |       |                         | _       |                |                                                  |        |              |
|        | Submittals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.0%                                     | 5.0%                     | s        | 6,375                          | -           |               | s     |                         | \$      |                | S                                                | -   s  | 6,375        |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |                          | -        | 0,375                          | <u> </u>    |               | 3_    |                         | 19      | <del>-</del> - | _1-3                                             | - 13   | 9,375        |
| B.2    | General Conditions (4.25%)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ja j | Property (see            | Ļ        |                                | <u> </u>    |               |       |                         | T       |                | Ta                                               |        | <del></del>  |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |                          | \$       |                                | \$          |               | \$    |                         | \$      | -              | \$                                               | -   \$ |              |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Р                                        | art B Total              | \$       | 6,375                          | \$          |               | \$    | T .                     | \$      |                | [\$                                              | - \$   | 6,375        |
|        | PART A thro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ugh B Si                                 | UBTOTAL                  | \$       | 431,375                        | <b>[</b> \$ |               | \$    | -                       | \$      |                | \$                                               | - \$   | 431,375      |
| ART C  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          | Constair                 | ion (    | Cost Contin                    | nencies     |               |       | :                       | -       |                |                                                  |        |              |
| AIV! U |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |                          | _        |                                | gerioles    |               |       | !                       |         |                |                                                  |        |              |
| C.1    | Design-Phase Scope Contingencies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Low                                      | to High                  | <u> </u> |                                | Ent         | er % ir       | ı Apr | ropria                  | te Colu | ımn            |                                                  |        |              |
|        | Preliminary Engineering Analysis Working Drawings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 15.0%<br>2.0%                            | 20.0%                    | ļ        |                                | <u></u> _   |               |       |                         | ļ       |                | <del> </del>                                     |        |              |
|        | Working Crawings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2.076                                    | 10.076                   | \$       |                                | \$          |               | \$    |                         | \$      |                | \$                                               | - \$   |              |
| C.2    | Facility or Project Constructability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | akiye ayabel                             | KANDAGAGARA              | ĺ        |                                | Ent         | er % ir       | ı Anr | repria                  | te Coli | ımn            |                                                  | ļ      |              |
| 0.2    | Facility or Project Type and Complexity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                          | for Values)              |          | 2.00%                          |             | .01 /0 11     | 1.45  | n Sprice                | T       |                | Ι                                                |        |              |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |                          | \$       | 8,628                          | \$          |               | \$    |                         | \$      |                | \$                                               | - \$   | 8,628        |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | R                                        | nge                      |          |                                |             |               |       |                         |         |                |                                                  |        |              |
| C.3    | Access, Storage & Staging Contingencies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                          |                          | <u> </u> | 4.000/                         | Ent         | er % ir       | 1 Арр | ropria                  | ie Colu | ımn            | 1                                                |        |              |
|        | Access Contingencies Storage Contingencies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.0%                                     | 4.0%                     | _        | 1.00%                          | <u> </u>    |               |       | _                       | -       |                | <del>                                     </del> |        |              |
|        | Staging Contingencies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.0%                                     | 4.0%                     | _        | 1.00%                          |             |               |       |                         |         |                | \$                                               | ٦.     | 40.044       |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |                          | \$       | 12,941                         | <u> </u>    | -             | \$    | <del></del>             | \$      |                | 1.9                                              | _   \$ | 12,941       |
| C.4    | Economies of Scale 1 the property of the second sec | 開始的開                                     | 0.0%                     | ¢ -      |                                | \$          |               | \$    | -                       | \$      |                | T\$                                              | - \$   | <del>-</del> |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | _                                        |                          | Ľ        |                                |             |               |       |                         |         |                |                                                  |        |              |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pa                                       | art C Total              | \$       | 21,569                         | \$          |               | \$    | <u> </u>                | \$      |                | \$                                               | - \$   | 21,569       |
|        | PART A throu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ugh C Sl                                 | UBTOTAL                  | \$       | 452,944                        | \$          | Ξ             | S     |                         | \$      |                | \$                                               | - \$   | 452,944      |
| ART D  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | G                                        | Seneral Contr            | actor    | 's Overhea                     | d and F     | rofit         |       |                         |         |                |                                                  |        |              |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | i I I I I I I I I I I I I I I I I I I I  | si Dimerki i ida marisar |          |                                |             |               |       |                         |         |                |                                                  |        | _            |
| D.1    | GC's Home Office Overhead                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                          | 7.7%                     | \$       |                                | \$          | <del></del> - | \$    |                         | \$      |                | \$                                               | -   s  |              |
| D.2    | GC's Insurance Payment & Performance Bon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ds                                       | 3.3%                     |          |                                |             |               |       |                         |         |                | 1~                                               |        | <del></del>  |
| -      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |                          | \$       | 14,947                         |             | -             | \$    | - Profession            | \$      |                | \$                                               | - \$   | 14,947       |
|        | Rep.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | instruction<br>air/Retrofit              | 10.0%                    |          | ect a top box i<br>w Construct |             | pe or proje   |       | i applicat<br>iir/Retro |         | paxes to       | apply the f                                      | actor, |              |
| D.3    | General Contractor's Profit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |                          |          |                                |             |               |       |                         |         |                |                                                  |        |              |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |                          | \$       |                                | \$          |               | \$    |                         | \$      | -              | \$                                               | - s    |              |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pa                                       | art D Total              | \$       | 14,947                         | \$          |               | 3     | -                       | \$      | _              | \$                                               | - \$   | 14,947       |
|        | B 8 #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | b D CI                                   | JBTOTAL                  |          | 467,891                        | \$          |               | \$    |                         | s       |                | s                                                | - \$   | 467,891      |
|        | PART A thrai                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                          |                          |          |                                |             |               |       |                         |         |                |                                                  |        |              |

|            | East Valley Water District - Plant 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 34 /                 | Acces         | s Road                               | Concr                | ete E                        | Box C       | ulvert                                           |            |              |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------|--------------------------------------|----------------------|------------------------------|-------------|--------------------------------------------------|------------|--------------|
| <u> </u>   | Replac                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | e Dan                | naged Bo      | \$ -                                 | \$                   | - \$                         | -           | \$                                               | - }        | Totai        |
| PARTE      | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      | lation Fact   | ota                                  |                      |                              |             |                                                  | -          |              |
| }          | Months, Factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |               |                                      |                      |                              |             |                                                  |            |              |
| E          | Cost Escalation Factor 12 0.100%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | \$                   | 5,615         | \$ -                                 | \$                   | - (\$                        | -           | \$                                               | - \$       | 5,615        |
|            | PART A through E SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                    | 473,506       |                                      | Īs                   | - S                          |             | Ts                                               | - \$       | 470 Enc      |
| l          | FART A UIJOUGH E SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                    | 473,500       |                                      |                      | - 13                         |             |                                                  | \$         | 473,506      |
| PART F     | Plan Review                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      | onstruction . | Permit Cost                          |                      |                              |             |                                                  |            |              |
| F.1        | Plan Review Fees 1990 1990 1990 1990 1990 1990 1990 199                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b> </b>             |               |                                      | · · · · · ·          |                              |             |                                                  |            |              |
|            | (List Individual Requirements Separately)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ├                    |               |                                      | <del> </del>         |                              |             | +-                                               |            |              |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |               |                                      |                      |                              |             | 1                                                |            |              |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5                    |               | \$ -                                 | \$                   | -   \$                       |             | \$                                               | -   \$     |              |
| F.2        | Construction Rermitifiees have a substanting the state of the substanting the substanti | <b>\</b>             |               |                                      | <del></del>          |                              |             |                                                  |            |              |
|            | (List Individual Requirements Separately)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | \$                   | 3,500         |                                      | <del> </del>         |                              |             | <del>                                     </del> |            |              |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Ľ                    |               |                                      |                      |                              |             |                                                  |            |              |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | \$                   | 3,500         | \$ -                                 | \$                   | <u> </u>                     | -           | <u>  \$</u>                                      | - \$       | 3,500        |
|            | Part F Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | \$                   | 3,500         | \$ -                                 | \$                   | - s                          | -           | \$                                               | - \$       | 3,500        |
|            | PART A through F SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | \$                   | 477,006       | \$ -                                 | s                    | - s                          |             | \$                                               | - \$       | 477,006      |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |               |                                      |                      |                              |             |                                                  |            |              |
| PART G     | Applicant's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Reserv               | ve for Chang  | je Orders                            |                      |                              |             |                                                  | , r        |              |
| G          | Applicant's Reserve for Change Orders                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |               |                                      | 7                    | 12                           |             | T.                                               |            |              |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | \$                   |               | \$                                   | \$                   | - [\$                        |             | \$                                               | \$         | <del>-</del> |
|            | PART A through G SUBTOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | \$                   | 477,006       | s -                                  | s                    | - \$                         |             | \$                                               | - \$       | 477,006      |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |               |                                      |                      |                              |             |                                                  |            |              |
| PARTH      | Applicant's Project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Mana                 | egement a     | nd Design Cos                        | sts                  |                              |             |                                                  |            |              |
| H.1        | Applicant's Project Management Design Phase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | \$                   | <del></del>   | \$ -                                 | \$                   | -   \$                       |             | 5                                                | - \$       |              |
| 1          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |               | φ -                                  | Ψ.                   |                              |             |                                                  |            |              |
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |               | <u> </u>                             | 4                    |                              |             |                                                  | 1          | l            |
| H.2        | A/E/Design/Contract/Cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |               |                                      | 1                    |                              |             |                                                  |            |              |
| H.2        | Above Average Complexity (Curve A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | _                    | -<br>-        | \$ -                                 | \$                   | - \$                         |             | \$                                               | -          | į            |
| H.2        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | \$<br>\$<br>\$       | -<br>-<br>-   | \$ -                                 | \$ \$                | - \$                         | -<br>-<br>- | \$<br>\$<br>\$                                   | -          |              |
| H.2        | Above Average Complexity (Curve A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | \$                   |               | \$ -<br>\$ -                         | \$                   | - \$<br>- \$                 |             | \$                                               |            |              |
| H.2<br>H.3 | Above Average Complexity (Curve A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | \$<br>\$             |               | \$ -<br>\$ -<br>\$ -                 | \$<br>\$<br>\$       | - \$<br>- \$<br>- \$         |             | \$                                               | -          | -<br>-       |
|            | Above Average Complexity (Curve A)  Average Complexity (Curve B)  Basic Construction Inspection Services                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | \$<br>\$             |               | \$ -<br>\$ -<br>\$ -                 | \$<br>\$<br>\$       | - \$<br>- \$<br>- \$         |             | \$                                               | -          | -            |
|            | Above Average Complexity (Curve A)  Average Complexity (Curve B)  Basic Construction Inspection Services                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | \$ \$                | -             | \$ -<br>\$ -<br>\$ -<br>\$ -         | \$<br>\$<br>\$       | - \$<br>- \$<br>- \$         | -           | \$<br>\$<br>\$                                   | - \$       | -            |
|            | Above Average Complexity (Curve A)  Average Complexity (Curve B)  Basic Construction Inspection Services  Project Management Construction Phase  Part H Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | \$<br>\$<br>\$<br>\$ | -             | \$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ - | \$<br>\$<br>\$       | - \$<br>- \$<br>- \$<br>- \$ | -           | \$ \$                                            | - s<br>- s | -            |
|            | Above Average Complexity (Curve A)  Average Complexity (Curve B)  Basic Construction Inspection Services  Project Management Construction Phase  6.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | \$<br>\$<br>\$<br>\$ | -             | \$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ - | \$ \$ \$ \$ \$ \$ \$ | - \$<br>- \$<br>- \$<br>- \$ | -           | \$ \$                                            | - \$       |              |
|            | Above Average Complexity (Curve A)  Average Complexity (Curve B)  Basic Construction Inspection Services  Project Management Construction Phase  Part H Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | \$ \$                | - 477,006     | \$ -<br>\$ -<br>\$ -<br>\$ -<br>\$ - | \$<br>\$<br>\$       | - \$<br>- \$<br>- \$<br>- \$ | -           | \$ \$                                            | - s<br>- s | -            |

## **Total Project Summary**

|        |                                                                    | Coi  | mpleted     | Un | completed |    | Total        |
|--------|--------------------------------------------------------------------|------|-------------|----|-----------|----|--------------|
| PART A | "Base Costs" for Construction Work In Trades                       | \$   | -           | \$ | 425,000   | \$ | 425,000      |
|        | A.1 Permanent Work                                                 | \$   |             | \$ | 407,000   | \$ | 407,000      |
|        | A.2 Non-Permanent Job Specific Work (From Part A Estimate)         | \$   |             | \$ | 18,000    | \$ | 18,000       |
| PART B | General Requirements and General Conditions                        | \$   | -           | \$ | 6,375     | \$ | 6,375        |
|        | B.1 General Requirements                                           | \$   |             | \$ | 6,375     | \$ | 6,375        |
|        | B.2 General Conditions                                             | \$   | <del></del> | \$ |           | \$ | <del>-</del> |
| PART C | Construction Cost Contingencies (Design and Construction)          | \$   |             | \$ | 21,569    | \$ | 21,569       |
|        | C.1 Standard Design-Phase Scope Contingencies                      | \$   |             | \$ |           | \$ |              |
|        | C.2 Facility or Project Constructability                           | \$   | _           | \$ | 8,628     | \$ | 8,628        |
|        | C.3 Access, Storage, and Staging Contingencies                     | \$   |             | \$ | 12,941    | \$ | 12,941       |
|        | C.4 Economies of Scale in New Construction                         | \$   |             | \$ |           | \$ |              |
| PART D | General Contractor's Overhead and Profit                           | \$   | -           | \$ | 14,947    | \$ | 14,947       |
|        | D.1 General Contractor's Home Office Overhead Costs                | \$   | -           | \$ |           | \$ |              |
|        | D.2 General Contractor's Insurance, Payment, and Performance Bonds | s \$ |             | \$ | 14,947    | \$ | 14,947       |
|        | D.3 Contractor's Profit                                            | \$   |             | \$ |           | \$ |              |
| PART E | Cost Escalation Allowance                                          | \$   | -           | \$ | 5,615     | \$ | 5,615        |
| PART F | Plan Review and Construction Permit Costs                          | \$   |             | \$ | 3,500     | \$ | 3,500        |
|        | F.1 Plan Review Fees                                               | \$   |             | \$ |           | \$ |              |
|        | F.2 Construction Permit Fees                                       | \$   |             | \$ | 3,500     | \$ | 3,500        |
| PART G | Applicant's Reserve for Construction                               | \$   | -           | \$ | -         | \$ |              |
| PART H | Applicant's Project Management and Design Costs                    | \$   | -           | \$ |           | \$ |              |
|        | H.1 Applicant's Project Management - Design Phase                  | \$   |             | \$ |           | \$ | -            |
|        | H.2 Architecture & Engineering Design Contract Costs               | \$   |             | \$ |           | \$ | -            |
|        | H.3 Project Management - Construction Phase                        | \$   |             | \$ | <u></u>   | \$ |              |
|        | Complete Project Total for Completed and Uncompleted Work          |      |             | \$ | 477,006   | 6  | 477,006      |