



City of East Palo Alto Proposition 1E IRWM Stormwater Flood Management Grant Application Runnymede Storm Drain Phase II and O'Connor Pump Station Outfall Project

Attachment 4 - Budget

Attachment 4 is mandatory. Table 5 (Exhibit B) must be completed for each proposal and Table 6 must be completed as a summary or roll-up budget for the entire Proposal. For each project contained in the Proposal, provide detailed budget documentation supporting the costs shown in Table 6, Budget. For each budget category shown in Table 6, there may be several tasks and sub-tasks.

Table 5 (Exhibit B) will be used to present the funding match for the Proposal. For SWFM funding, applicants must identify a minimum funding match of at least 50% for the total project costs on a per project basis.

Applicants must consider the relevant labor code compliance requirements and the applicability of prevailing wage laws in developing the Budget (Section IV of the 2012 Guidelines). Applicants should also identify funding for the Data Management and Monitoring Deliverables identified in the Work Plan, including any data sharing efforts with the applicable State databases.

The project budget in Exhibit 1 is presented in the PSP Table 5 (Exhibit B) format and presents detailed information on estimated costs in conjunction with the tasks presented in the Work Plan (Attachment 3) of this Proposition 1E Grant Application. The cost estimate information detailed in Exhibit 1 was provided from the City of East Palo Alto's Draft Work Plan prepared on December 18, 2012 and is provided as Exhibit 2. It is to be noted that this Work Plan does not include eligible environmental documentation costs incurred prior to 31 December 2012 as well as other costs indicated in PSP Table 5. These costs have been included in the overall project budget.

This Draft Work Plan contained estimated costs compiled by the City using the completed 30% design as the basis. The Draft Work Plan cost information was organized into the following tasks as presented below:

Budget Category (a): Direct Project Administration Costs

- Task 1: Administration
- Task 2: Labor Compliance Program
- Task 3: Reporting
- Task 4: Assessment and Evaluation

Budget Category (b): Land Purchase/Easement

- Task 5: Right-of-way Acquisition
 - Includes the work/cost required to obtain an easement from PG&E

Budget Category (c): Planning/Design/Engineering/Environmental Documentation

- Task 6: Preliminary Design
- Task 7: Environmental NEPA/CEQA Documentation
- Task 8: Design
- Task 9: Permitting

Budget Category (d): Construction/Implementation

- Task 10: Construction
 - Includes sediment removal in the conveyance channel and forebay (pond) before the O'Connor Pump Station and restoring invert elevations, construction of increased channel capacity/flood protection berms, improving culverts, headwalls and drainage structures, improving the O'Connor Pump Station Outfall, and Construction Engineering Support and Quality Assurance (QA) Testing.



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Budget Category (e): Environmental Compliance/Mitigation/Enhancement

- Task 11: Environmental Compliance/Mitigation/Enhancement
 - Includes installation of environmental mitigation and temporary protection measures, obtaining an environmental mitigation credit, and environmental monitoring.

Budget Category (f): Construction Administration

- Task 12: Construction Administration
 - Includes meetings, construction documentation, reporting, invoicing, and the preparation of presentations.

Budget Category (g): Other Costs

- No Work Plan task for this category exists, and this category is deemed as "Not-Applicable" for the Runnymede Storm Drain Phase II and O'Connor Outfall project.

Budget Category (h): Construction/Implementation Contingency

- No Work Plan task for this category exists, however this budget category is included in the budget proposed for the Proposition 1E Grant Application. It should be noted that this construction/implementation contingency is a relatively small percentage of the total construction cost since the estimate provided by the City of East Palo Alto has a higher degree of confidence since it is based off of the 30% design.

The total estimated for the cost for the Runnymede Storm Drain Phase II and O'Connor Pump Station Project is \$1,527,508. The City of East Palo Alto is applying to receive funding for 44% (\$667,953) of the total project cost through this Proposition 1E Grant, and will obtain the other 56% (\$859,555) of the funding from a Grant from the U.S. Environmental Protection Agency.

Exhibit 1: Project Budget
Runnymede Phase II

| Budget Category | Non-State Share (Funding Match) | Requested Grant Funding | Other State Funds Being Used | Total | % Funding Match |
|--|---------------------------------|-------------------------|------------------------------|--------------|-----------------|
| (a) Direct Project Administration Costs | \$ 17,500 | \$ 17,500 | | \$ 35,000 | 50% |
| (b) Land Purchase/Easement | \$ 12,650 | \$ 12,650 | | \$ 25,300 | 50% |
| (c) Planning/Design/Engineering/ Environmental Documentation | \$ 226,889 | \$ 35,287 | | \$ 262,176 | 87% |
| (d) Construction/Implementation | \$ 444,245 | \$ 444,245 | | \$ 888,490 | 50% |
| (e) Environmental Compliance/ Mitigation/Enhancement | \$ 81,620 | \$ 81,620 | | \$ 163,240 | 50% |
| (f) Construction Administration | \$ 22,250 | \$ 22,250 | | \$ 44,500 | 50% |
| (g) Other Costs | \$ - | \$ - | | \$ - | Not Applicable |
| (h) Construction/Implementation Contingency | \$ 54,401 | \$ 54,401 | | \$ 108,802 | 50% |
| (i) Grand Total, (a) through (h) | \$ 859,555 | \$ 667,953 | \$ - | \$ 1,527,508 | 56% |

(a) Direct Administration

Project Name: Runnymede Storm Drain Phase II & O'Connor Pump Station Outfall Project

| Task | Cost |
|-----------------------------------|------------------|
| Task 1: Administration | \$ 15,000 |
| Task 2: Labor Compliance Program | \$ 10,000 |
| Task 3: Reporting | \$ 5,000 |
| Task 4: Assessment and Evaluation | \$ 5,000 |
| Total | \$ 35,000 |

(b) Land Purchase/ Easement

Project Name: Runnymede Storm Drain Phase II & O'Connor Pump Station Outfall Project

| | ROW Agent/Surveyor/ Appraiser | Land Purchase/ Easement | Total |
|----------------------------------|-------------------------------|-------------------------|------------------|
| Task 5: Right-of-Way Acquisition | 0 | \$ 25,300 | \$ 25,300 |
| | | | |
| | \$/Acre | Acres | Land Cost |
| Permanent Easement Cost | \$ - | unknown | \$ 25,300 |

(c) Planning / Design/ Engineering/ Environmental Documentation

Project Name: Runnymede Storm Drain Phase II & O'Connor Pump Station Outfall Project

| | Consultant |
|---|-------------------|
| Task 6: Preliminary Design | \$ 27,149 |
| Task 7: Environmental NEPA/CEQA Documentation | \$ 226,889 |
| Task 8: Design | \$ 5,759 |
| Task 9: Permitting | \$ 2,379 |
| Total | \$ 262,176 |

| (d) Construction/ Implementation | |
|---|-------------------|
| Project Name: Runnymede Storm Drain Phase II & O'Connor Pump Station Outfall Project | |
| Item | Cost |
| Task 10: Construction | |
| Sediment Removal in channel and restoring invert elevations | \$ 38,500 |
| Sediment Removal in forebay (pond) and restore invert elevations | \$ 341,000 |
| Construct Berms for increased conveyance capacity/flood protection | \$ 283,030 |
| Improve structures/culverts/headwalls to support channel | \$ 66,900 |
| O'Connor Pump Station Outfall Improvements | \$ 126,280 |
| Construction Engineering Support and QA Testing | \$ 32,780 |
| Total | \$ 888,490 |

| (e) Environmental Compliance/ Mitigation / Enhancement | |
|---|-------------------|
| Project Name: Runnymede Storm Drain Phase II & O'Connor Pump Station Outfall Project | |
| Item | Cost |
| Task 11: Environmental Compliance/Mitigation/Enhancement | |
| Installation of mitigation & temporary protection measures | \$ 24,200 |
| Environmental Mitigation (Credit) | \$ 28,600 |
| Environmental Monitoring | \$ 110,440 |
| Total | \$ 163,240 |

| (f) Construction Administration | |
|---|------------------|
| Project Name: Runnymede Storm Drain Phase II & O'Connor Pump Station Outfall Project | |
| Item | Cost |
| Task 12: Construction Administration | |
| Meetings (Kick-off, Pre-Construction, Review, PM) | \$ 30,000 |
| Reporting, Invoicing, and presentations | \$ 14,500 |
| Total | \$ 44,500 |

| (g) Other Costs | |
|---|----------------|
| Project Name: Runnymede Storm Drain Phase II & O'Connor Pump Station Outfall Project | |
| Item | Cost |
| Not Applicable | Not Applicable |
| Total | \$ - |

| (h) Construction/Implementation Contingency | |
|---|-------------------|
| Project Name: Runnymede Storm Drain Phase II & O'Connor Pump Station Outfall Project | |
| Item | Cost |
| Construction Contingency | \$ 108,802 |
| Total | \$ 108,802 |

EXHIBIT 2

Draft Work Plan Runnymede Storm Drain Phase II & Repair of O'Connor Pump Station Outfall Project Final design and Construction

PROJECT PERIOD: March 15, 2012-February 1, 2015

Date: December 18, 2012

Phase I: (Completed) Project Feasibility, Complete the Environmental Studies and Prepare EID documents necessary to meeting NEPA & CEQA requirement, obtaining the required permits to construct the improvements as well as completing the preliminary design of the project.

Part II: Prepare 90% and final engineering Plans, Specifications and Estimated based on the 30% design and CEQA/NEPA mitigation/permitting requirements; prepare Special Provisions, Contract, and other Bid Documents; and advertise bidding package, receive contractor bids and award contract.

Part III: Construct necessary flood protection elements within funding budgetary allowances. Remaining elements will be constructed in subsequent construction stages to follow as funding becomes available.

| | Work Plan Goals | Dates: Start/End | Deliverables | Responsible Staff/Dept. | Estimated Cost | | |
|---|--|--|--|---------------------------------|---------------------|--|--|
| Assumes PHASE I completed by March 1, 2013. Tasks to complete PHASE II and PHASE III described below. | | | | | | | |
| TASK 1 | GOAL 1: | | | | | | |
| | TASK 1.1 – Prepare final Plans, Specifications, Cost Estimate, and Bid Documents for Bidding | 4 Months | | | \$ 12,760 | | |
| | Prepare Plans from 30% Design Stage through 90% design, and submit for review | 03/15/2013 to 07/15/2013 | completed PS&Es, and Bidding documents | Eng, and Consultant | | | |
| | Prepare Draft Specification, Cost Estimates and Bid Documents, and submit for review | | | | | | |
| | Prepare SWPPP and NOI, and Submit to SWRCB | | | | | | |
| | Finalize Plans, Specifications, Cost Estimates, and Bid Documents for Bidding | | | | | | |
| | TASK 1.2 – Advertise and Award Contract | 2 Months | | | 0.015 FTE | | |
| Advertise project to prospective Contractors | 07/15/2013 to 09/15/2013 | Executed contract with construction Contractor | Eng, and Consultant | | | | |
| Receive and evaluate bids, identify lowest bidder | | | | | | | |
| Select lowest bidder and award Contract | | | | | | | |
| TASK 1 ESTIMATED COST SUMMARY | | | | | \$ 11,517 | | |
| TASK 2 | GOAL 2: Repair O'Connor Pump Station Outfall | | | | | | |
| | TASK 2: Repair the floor of the O'Connor Pump Station Outfall damaged by settlement | 3 Months | | | | | |
| | Install mitigation and temporary protection measures | 09/15/2013 to 1/31/2014 | O'Connor Pump Station Outfall repaired to proper elevations and sealed | Contractor, Eng, and Consultant | \$ 24,200 | | |
| | Lift floor back to proper elevations and seal/stabilize foundation by pressure grouting | | | | \$ 126,280 | | |
| | Construction Engineering Support and Quality Assurance Testing | | | | \$ 10,120 | | |
| | Environmental Monitoring | | | | \$ 10,230 | | |
| TASK 2 ESTIMATED COST SUMMARY | | | | | \$ 170,830 | | |
| TASK 3 | GOAL 3: Improve Runnymede Channel Conveyance and Capacity | | | | | | |
| | TASK 3.1: Dredge Runnymede Channel and build Flood Protection Berm | 16.5 Months | | | | | |
| | Obtain PG&E Easement | | | | \$ 25,300 | | |
| | Install mitigation and temporary protection measures | 09/15/2013 to 1/31/2015 | Runnymede storm drainage channel restored to proper invert elevations to convey properly and berm installed to protect adjacent residential properties and improve storage capacity. | Contractor, Eng, and Consultant | \$ 26,400 | | |
| | Remove sediment deposits in channel to restore proper invert elevations | | | | \$ 38,500 | | |
| | Deposit removed sediments in a berm west of channel to increase channel capacity and flood protection for adjacent residents | | | | \$ 28,710 | | |
| | Improve associated structure, culvert and headwalls, to support modified channel | | | | \$ 66,990 | | |
| | Construction Engineering Support and Quality Assurance Testing | | | | \$ 2,310 | | |
| | Environmental Mitigation | | | | \$ 28,600 | | |
| | Environmental Construction Monitoring | | | | \$ 75,130 | | |
| TASK 3 ESTIMATED COST SUMMARY | | | | | \$ 291,940 | | |
| TASK 4 | GOAL 4: Improve O'Connor Pump Station forebay (pond) capacity | | | | | | |
| | TASK 4: Dredge O'Connor Pump Station forebay and build flood protection berm | 16.5 Months | | | | | |
| | Install mitigation and temporary protection measures | 09/15/2013 to 1/31/2015 | Forebay (pond) restored to proper invert elevations to provide adequate storage capacity and convey storm water properly into the O'Connor Pump Station, and berm, installed to protect adjacent residential properties and improve storage capacity | Contractor, Eng, and Consultant | \$ (26,400) | | |
| | Remove sediment deposits in forebay (pond) to restore proper invert elevations | | | | \$ 341,000 | | |
| | Deposit removed sediments in a berm west of channel and atop the western bank of the pond to increase capacity and flood protection for adjacent residents | | | | \$ 254,320 | | |
| | Construction Engineering Support and Quality Assurance Testing | | | | \$ 20,350 | | |
| | Environmental Monitoring | | | | \$ 25,080 | | |
| TASK 4 ESTIMATED COST SUMMARY | | | | | \$ 614,350 | | |
| TASK 5 | GOAL 5: Reporting and Project Management Meetings | | | | | | |
| | TASK 5: Reporting and Project Management Meetings | | | | \$ 89,650 | | |
| | Project Kickoff Meeting | 3/15/2013 | | Contractor, Eng, and Consultant | | | |
| | 90% Design Review Meeting (Public) | 6/20/2013 | | | | | |
| | Final Design Presentation to City Council | 7/2/2013 | | | | | |
| | Pre-Construction Meeting | 9/15/2013 | | | | | |
| | Quarterly PM Meetings | Quarterly | | | | | |
| | Quarterly Reporting and Invoicing | Quarterly | | | | | |
| TASK 5 ESTIMATED COST SUMMARY | | | | | \$ 89,650 | | |
| Total Estimated Cost of the Phase I: Project Feasibility and Definition | | | | | \$ 1,178,287 | | |