

Application Instructions for Detailed Engineer's Estimate and Total Project Cost

- Applicants are expected to use this template for estimating/documenting the cost of construction items and the overall project costs. (participating & non-participating)
- The Detailed Engineer's Estimate and Total Project Costs must tie to the information presented in the CCLGP Application Form.
- **Do NOT input values in gray cells. These cells are formula-driven and will automatically update.**

Project (Engineer's) Information

• The Licensed Engineer in 'responsible charge' of the overall CCLGP application must review all information presented in this Estimate form and ensure the values are consistent with the corresponding plans included in the application. This requirement is considered necessary to ensure the CCLGP application meets the PSR-Equivalent requirements - including the use of construction items, quantities and unit prices that meeting industry standards for PSR-Equivalents. The engineer is also expected to review the breakdown of participating vs. non-participating costs shown in estimate and confirm they are consistent with Program Guidelines.

Engineer's Estimate & Cost Breakdown

For each construction item in this table, the following items must be filled:

Item: indicate the name of a construction item used in this project.

Quantity: indicate the total quantity of each construction item

Units: indicate the units of measurement (i.e. Square Feet or SQFT.) **Only** use Lump Sum (LS) for items listed on the Allowable Lump Sum tab.

Unit Cost: indicate the unit cost for one quantity.

Total Item Cost will be automatically calculated once the above information are provided for each line item (row).

The Project Estimate form only has a limited number of lines. If your estimate has more items; you will have to combine similar items. If an applicant has already developed a complete estimate using another tool, the items can be grouped into sub-categories such as overhead, bike lanes, sidewalks, drainage, utilities etc., as long as the full estimate is attached to the estimate or with the application in the Additional Attachments section.

General Overhead:

Costs for these items have been separated out to reduce confusion relating to participating vs. non-participating costs calculations.

The % of participating vs. non-participating costs are automatically calculated based on the ratio of these costs for all of the other construction items.

Cost Breakdown

Participating Items/costs: these are expected to represent all scope of work construction items that are necessary for the purposes of beautifying and cleaning up local streets and roads, tribal lands, parks, pathways, transit centers, and other public spaces.

%- Insert the percentage of the total item cost that is directly attributed to "Participating items".

\$- *This field will automatically calculate once a percentage is entered in the previous question.*

Non-participating Items/costs: these are expected to represent all construction items that are **not** necessary for the purposes of beautifying and cleaning up local streets and roads, tribal lands, parks, pathways, transit centers, and other public spaces.

Subtotals and Contingencies:

Subtotal of Construction Items: This field will automatically calculate the total of all construction items indicated above.

Construction Item Contingencies: Insert percentage of contingencies, which is intended to account for the cost of minor construction items not defined at the time the applications are prepared.

Total (Construction Items and Contingencies) Cost: This field will automatically calculate the total from all information indicated above.

Project Delivery Costs: *The participating vs. non-participating split is automatically calculated for all Project Delivery Costs.*

Project Approval & Environmental Document (PA&ED): Total cost of Environmental Studies and Permits phase of the project.

Plans, Specifications & Estimate (PS&E): Total cost of Plans, Specifications and Estimates phase of the project.

Total Preliminary Engineering (PE): This total is automatically calculated. Total of (PA&ED) + (PS&E) **Note: Per the Caltrans Local Assistance Procedures Manual, the total cost for PE should not exceed 25%. All costs over the 25% must be shown in the application as non-participating.**

Right of Way Engineering: Total cost of Right of Way Engineering, including obtaining the RW Certification.

Acquisitions and Utilities: Total cost of Acquisitions and Utilities.

Total RW: This total is automatically calculated. Total of (RW Eng.) + (Acq.&Utilities)

Total Pre-Construction Costs: This total is automatically calculated. Total of (PE) + (RW)

Construction Engineering (CE): Total cost of Construction Engineering. **Note: Per the Caltrans Local Assistance Procedures Manual, the total cost for CE should not exceed 15%. All costs over the 15% must be shown in the application as non-participating.**

Total Construction Costs: This total is automatically calculated. Total of (CE) + (Con. Item. & Contig.)

Total Project Cost Estimate: *The participating vs. non-participating split is automatically calculated for the Total Project Costs.*

- This is automatically calculated from all information entered above.
- This value must represent the total estimated cost of the entire CCLGP project.
- The application must account for the non-participating costs being funded with local funds. Because this local funding is considered non-participating, it cannot be considered leveraging or matching funding.

Documentation of Non-Participating Costs:

Non-participating Items/costs: these are costs for items outside of the program guidelines or necessary project parameters of proposed scope of work. Master plan or other activates not necessary for the purposes of beautifying and cleaning up local streets and roads, tribal lands, parks, pathways, transit centers, and other public spaces are considered non-participating costs.

Engineers must present their logic and calculations for splitting the projects costs between participating and non-participating costs.

Project Milestone	Date	Total Cost
Project Study Report Approved	6/1/2022	
Begin Environmental (PA&ED) Phase	6/16/2022	
Circulate Draft Environmental Document	7/29/2022	
Draft Project Report	9/27/2022	
End Environmental Phase (PS&ED Milestone)	10/27/2022	
Begin Design Phase (Ready to List for Advertisement Milestone)	11/13/2022	
Begin Right of Way Phase	11/13/2022	
End Right of Way Phase (Right of Way Certification Milestone)	8/8/2023	
End Construction Phase (Construction Contract Acceptance Milestone) MUST BE NO LATER THAN 6/30/2024	5/3/2024	
Begin Closeout Phase	5/13/2024	
End Closeout Phase (Closeout Report) REPORTS AND FINAL INVOICES MUST BE RECEIVED, APPROVED AND PROCESSED BY CALTRANS BY 12/31/24	10/10/2024	

Detailed Engineer's Estimate and Total Project Costs

Important: Read the Instructions in the first sheet (tab) before entering data. Do not enter data in shaded fields (with formulas).

Project Information:

Agency:	City of Gilroy	Date:	1/28/2022
Project Description:	Lighting, landscape, and surface improvements to create a		
Project Title:	Gourmet Alley and Railroad Alley Pedestrian and Bicycle Beautification Improvements		
Project Location:	Gourmet Alley and Railroad Alley between 4th and 7th Street		
Name of Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate:	Jorge Duran	License #:	C-59978

Engineer's Estimate and Cost Breakdown:

Engineer's Estimate (for Construction Items Only)						Cost Breakdown			
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	CCLGP Participating		CCLGP Non-participating	
						Costs/Items		Costs/Items	
						%	\$	%	\$
General Overhead-Related Construction Items									
1	Mobilization	1	LS	\$25,000.00	\$25,000			100%	\$25,000
2	Traffic Control	1	LS	\$35,000.00	\$35,000			100%	\$35,000
3	Stormwater Protection Plan	1	LS	\$40,000.00	\$40,000			100%	\$40,000
4			LS					100%	
5			LS					100%	
6			LS					100%	
7			LS					100%	
8			LS					100%	
9			LS					100%	
10			LS					100%	
General Construction Items									
11	Remove AC Pavement	25625	SF	\$1.50	\$38,438			100%	\$38,438
12	Remove Concrete Pavement	29450	SF	\$3.00	\$88,350			100%	\$88,350
13	Remove Sidewalk	6900	SF	\$1.50	\$10,350			100%	\$10,350
14	Remove Curb & Gutter	310	LF	\$20.00	\$6,200			100%	\$6,200
15	Decorative Asphalt	31000	SF	\$24.00	\$744,000			100%	\$744,000
16	Asphalt	15500	SF	\$8.00	\$124,000			100%	\$124,000
17	Concrete Curb & Gutter	310	LF	\$50.00	\$15,500			100%	\$15,500
18	Concrete 6" Curb	1800	LF	\$30.00	\$54,000			100%	\$54,000
19	Concrete Valley Gutter	1665	LF	\$30.00	\$49,950			100%	\$49,950
20	Driveways	15	EA	\$1,500.00	\$22,500			100%	\$22,500
21	Sidewalk	6300	SF	\$10.00	\$63,000			100%	\$63,000
22	ADA Curb Ramp	6	EA	\$1,500.00	\$9,000			100%	\$9,000
23	Water Backflow	4	EA	\$3,500.00	\$14,000			100%	\$14,000
24	Raise/Lower/Replace Storm Drain Grate	24	EA	\$1,000.00	\$24,000			100%	\$24,000
25	Raise/Lower Water Meter	75	EA	\$600.00	\$45,000			100%	\$45,000
26	Raise/Lower Storm Drain Manhole	3	EA	\$1,500.00	\$4,500			100%	\$4,500
27	Raise/Lower Sanitary Sewer Manhole	16	EA	\$1,500.00	\$24,000			100%	\$24,000
28	Signs - Wayfinding	8	EA	\$10,000.00	\$80,000			100%	\$80,000
29	Signs - Traffic	12	EA	\$1,200.00	\$14,400			100%	\$14,400
30	Signs - Informational	8	EA	\$600.00	\$4,800			100%	\$4,800
31	Trees - Remove	1	EA	\$1,200.00	\$1,200			100%	\$1,200
32	Trees - New (w/bubbler & root barrier)	42	EA	\$850.00	\$35,700			100%	\$35,700
33	Landscaping - New	15000	SF	\$5.00	\$75,000			100%	\$75,000
34	Landscape - Establishment (4 month)	15000	SF	\$1.00	\$15,000			100%	\$15,000
35	Landscape - Irrigation	4200	SF	\$10.00	\$42,000			100%	\$42,000
36	Fencing (42" Wrought Iron) - RR Alley Onl	1470	LF	\$50.00	\$73,500			100%	\$73,500
37	Area Lights (conduit, wire, trench, lamp & p	32	EA	\$11,000.00	\$352,000			100%	\$352,000
38	Benches (including decorations)	6	EA	\$2,500.00	\$15,000			100%	\$15,000
39	Trash Receptacles	16	EA	\$2,000.00	\$32,000			100%	\$32,000
40	Common Trash Collection Areas	2	EA	\$90,000.00	\$180,000			100%	\$180,000
41	Fencing (72" Wrought Iron) - RR Alley Onl	1200	LF	\$90.00	\$108,000			100%	\$108,000
42								100%	
43								100%	
44								100%	
45								100%	
46								100%	
47								100%	
48								100%	
49								100%	
50								100%	
51								100%	
52								100%	
Subtotal of Construction Items:					\$2,465,388				\$2,465,388
Construction Item Contingencies (% of Construction Items):		20.00%		\$493,078					\$493,078
Total (Construction Items & Contingencies) cost:					\$2,958,465				\$2,958,465

Project Delivery Costs:

Type of Project Cost	Cost \$	CCLGP Participating Costs	CCLGP Non-participating Costs
Preliminary Engineering (PE)	\$ 25,000	\$	\$
Environmental Studies and Permits (E&P)	\$	\$	\$

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Project Location: Gourmet Alley and Railroad Alley between 4th and 7th Street				
Name of Licensed Engineer in responsible charge of preparing or reviewing this PSR-Equivalent Cost Estimate: Jorge Duran			License #: C-59978	
Plans, Specifications and Estimates (PS&E):	\$ 450,000		\$450,000	"PE" costs / "CON" costs
Total PE:	\$ 475,000		\$450,000	
Right of Way (RW)				
Right of Way Engineering:	\$ 25,000			"CE" costs / "CON" costs
Acquisitions and Utilities:	\$ -			
Total RW:	\$ 25,000			
Total Pre-Construction Costs (PE+RW):			\$500,000	
Construction Engineering (CE)				
Construction Engineering (CE):	\$ 280,000		\$280,000	9% 15% Max
Total Construction Costs:			\$3,238,465	
Total Project Cost:			\$3,738,465	

Documentation of Non-Participating Costs:

The Engineer's logic and/or calculations for splitting costs between CCLGP-Participating and Non-participating costs must be documented in this section of the Estimate form. Separate logic is required for each item which is partly a participating cost for CCLGP funding or is required for the construction of a non-participating item/element of the project.

Item #:	Description of Engineer's Logic: (See examples shown in the Instructions)

Item Description- Common	Unit Pay
CLEARING AND GRUBBING	LS
CONSTRUCTION AREA SIGNS	LS
CONSTRUCTION SURVEY/STAKING	LS
DEVELOP WATER SUPPLY	LS
DUST CONTROL	LS
EROSION CONTROL	LS
FINISHING ROADWAY	LS
JOB SITE MANAGEMENT	LS
MITIGATION	LS
MOBILIZATION	LS
MOBILIZATION, DEMOBILIZATION, AND FINAL CLEANUP	LS
PERMITS	LS
PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS
PREPARE WATER POLLUTION CONTROL PROGRAM	LS
RAILROAD FLAGGING & MISCELLANEOUS	LS
RE OFFICE	LS
SIGNS	LS
STRIPING	LS
TRAFFIC CONTROL SYSTEM	LS
TRAFFIC MANAGEMENT PLAN	LS
Item Description- Not common	Unit Pay
ABANDON SEWER	LS
ADL BURIAL LOCATION REPORT	LS
ASBESTOS COMPLIANCE PLAN	LS
AUTOMATED WORK ZONE INFORMATION SYSTEM	LS
BOOSTER PUMP	LS
BRIDGE REMOVAL	LS
BUILDING WORK	LS
CAMERA SYSTEMS	LS
CERTIFY EXISTING BACKFLOW PREVENTERS	LS
CHANGEABLE MESSAGE SIGN SYSTEM	LS
CHECK AND TEST EXISTING IRRIGATION FACILITIES	LS
CLEAN AND PAINT BRIDGE RAILING	LS
CLEAN AND PAINT STEEL SOLDIER PILING	LS
CLEAN AND PAINT STRUCTURAL STEEL	LS
CLEAN AND PAINT STRUCTURAL STEEL (EXISTING BRIDGE)	LS
CLEAN STRUCTURAL STEEL (EXISTING BRIDGE)	LS
CONTRACTOR-SUPPLIED BIOLOGIST (LS)	LS
CONTROL AND NEUTRAL CONDUCTORS	LS
CONTROL AND NEUTRAL CONDUCTORS (ARMOR-CLAD)	LS
DATA CORE	LS
DRAINAGE PUMPING EQUIPMENT	LS
DUST CONTROL PLAN (NATURALLY OCCURRING ASBESTOS)	LS
DUST PALLIATIVE	LS
ELECTRIC SERVICE FOR BOOSTER PUMP	LS
ELECTRIC SERVICE FOR IRRIGATION	LS
FIBER OPTIC CABLE SYSTEMS	LS
FISH PROTECTION	LS
FLASHING BEACON SYSTEM	LS
HEALTH AND SAFETY PLAN	LS
INDUCTIVE LOOP DETECTOR (LS)	LS
INTELLIGENT COMPACTION	LS
INTERCONNECTION CONDUIT AND CABLE (LS)	LS
INVASIVE SPECIES CONTROL	LS

IRRIGATION WATER SERVICE CHARGES	LS
JACKING SUPERSTRUCTURE	LS
LEAD COMPLIANCE PLAN	LS
LIGHTING SYSTEM-(Electroliers are a separate item (EA))	LS
MAINTAIN EXISTING PLANTED AREAS	LS
MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION	LS
MIX DESIGN (FULL DEPTH RECLAMATION-FOAMED ASPHALT)	LS
MIX DESIGN (FULL-DEPTH RECLAMATION-CEMENT)	LS
MOBILIZATION (MARINE ACCESS)	LS
MODIFY BRIDGE RAILING (LS)	LS
MODIFY PUMP PLANT	LS
MODIFYING EXISTING ELECTRICAL SYSTEM	LS
MONITOR WELL	LS
NATURAL RESOURCE PROTECTION PLAN	LS
NOA BURIAL LOCATION REPORT	LS
NOISE MONITORING	LS
OPERATE EXISTING IRRIGATION FACILITIES	LS
PAINT STRUCTURAL STEEL (EXISTING BRIDGE)	LS
PERMANENT EROSION CONTROL ESTABLISHMENT WORK	LS
PLANT ESTABLISHMENT WORK	LS
PORTABLE CHANGEABLE MESSAGE SIGN (LS)	LS
PREPAVING INERTIAL PROFILER	LS
PRESTRESSING	LS
PRESTRESSING CAST-IN-PLACE CONCRETE	LS
PRESTRESSING PRECAST GIRDER	LS
PRESTRESSING STEEL GIRDERS	LS
PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS
PRUNE EXISTING PLANTS	LS
PUBLIC SAFETY PLAN	LS
PUMPING PLANT ELECTRICAL EQUIPMENT	LS
PUMPING PLANT EQUIPMENT	LS
RADAR SPEED FEEDBACK SIGN SYSTEMS	LS
RAMP METERING SYSTEM	LS
RECONSTRUCT DRAINAGE FACILITY (LS)	LS
RECONSTRUCT FENDER	LS
RECYCLED WATER IDENTIFICATION AND WARNING SIGNS	LS
REMOVE CONCRETE (LS)	LS
REMOVE CONCRETE (MISCELLANEOUS) (LS)	LS
REMOVE CONCRETE CURB (LS)	LS
REMOVE DOWNDRAIN (LS)	LS
REMOVE DRAINAGE FACILITY (LS)	LS
REMOVE IRRIGATION FACILITY	LS
REMOVE RAILING	LS
REMOVE REINFORCED CONCRETE BOX CULVERT (LS)	LS
REMOVE RETAINING WALL (LS)	LS
REMOVE RETAINING WALL (PORTION) (LS)	LS
REMOVE SIGN STRUCTURE (LS)	LS
REMOVE SIGN STRUCTURE WALKWAY (LS)	LS
REMOVE SLOPE PAVING (LS)	LS
REMOVE SOUND WALL (LS)	LS
REMOVING EXISTING ELECTRICAL SYSTEM	LS
ROADSIDE CLEARING	LS
SALVAGE IRRIGATION FACILITY	LS
SAMPLING AND ANALYSIS PLAN (NATURALLY OCCURRING ASBESTOS)	LS

SIGN ILLUMINATION SYSTEM	LS
STAIN GALVANIZED SURFACES (LS)	LS
STRAY CURRENT PROTECTION (BRIDGE)	LS
STREET SWEEPING	LS
TEMPORARY ACTIVE TREATMENT SYSTEM	LS
TEMPORARY CONCRETE WASHOUT	LS
TEMPORARY CONSTRUCTION MAT (LS)	LS
TEMPORARY CREEK DIVERSION SYSTEMS	LS
TEMPORARY DECKING	LS
TEMPORARY FLASHING BEACON	LS
TEMPORARY LIGHTING SYSTEM	LS
TEMPORARY PEDESTRIAN ACCESS ROUTE	LS
TEMPORARY SHORING	LS
TEMPORARY SIGNAL AND LIGHTING	LS
TEMPORARY SIGNAL SYSTEM	LS
TEMPORARY SUPPORT	LS
TIME-RELATED OVERHEAD (LS)	LS
TRAFFIC MONITORING STATION SYSTEM	LS
WATER METER CHARGES	LS
WATER SUPPLY SYSTEM	LS
WELL DEVELOPMENT	LS
WORK AREA MONITORING (BRIDGE)	LS