

Snell Street Drainage Improvements
City of Sonora

TBD
4/9/2024

DBE Utilization 10.65%



		Dewberry Engineers, Inc.		Crawford		UNICO Engineering		TOTAL	
		HOURS	COST	HOURS	COST	HOURS	COST	HOURS	COST
1.0	Project Implementation								
1.1	Project Management	68	\$14,580.00	29	\$3,971.09			97	\$18,551
1.2	Quality Control/Quality Assurance	22	\$6,110.00					22	\$6,110
1.3	Existing Document Review	10	\$1,910.00					10	\$1,910
1.4	Property Owner Outreach	32	\$6,920.00					32	\$6,920
	Total Task 1	132	\$28,520.00	29	\$3,971.09			161	\$32,491
2.0	Surveys and Mapping								
2.1	Topographic Surveying and Mapping					68	\$10,976.00	68	\$10,976
2.2	Right of Way Surveys					58	\$9,070.83	58	\$9,071
	Total Task 2					126	\$20,046.83	126	\$20,049
3.0	Preliminary Engineering (35% PS&E)								
3.1	Preliminary Utility Coordination	33	\$4,516.00					33	\$4,516
3.2	Preliminary Design	140	\$19,500.00					140	\$19,500
3.2.1	Preliminary 35% Road Design	16	\$2,120.00					16	\$2,120
3.2.2	Preliminary 35% Plans and Cost Estimate	189	\$26,235.00					189	\$26,235
	Total Task 3								
4.0	Geotechnical Field Exploration and Engineering								
4.1	Preliminary Review, Coordination and Permits			20	\$2,765.21			20	\$2,765
4.2	Subsurface Exploration			2	\$241.42			2	\$241
4.3	Laboratory Testing			64	\$9,254.46			64	\$9,254
4.4	Pavement Design Memorandum			86	\$12,261.09			86	\$12,261
	Total Task 4								
5.0	Environmental Studies and Consultation with Regulatory Agencies								
5.1	CEQA CE	46	\$5,925.00					46	\$5,925
	Total Task 5	46	\$5,925.00					46	\$5,925
6.0	Final Design (Plans, Specifications and Estimates)								
6.1	Final Design (65% PS&E)								
6.1.1	Approach Roadway Design	188	\$23,800.00					188	\$23,800
6.1.2	Engineer's Estimate of Probable Construction Cost	16	\$2,120.00					16	\$2,120
6.1.3	Contract Specification/Special Provisions	16	\$4,400.00					16	\$4,400
6.2	Utility Coordination								
6.2.1	Utility Conflict Exhibits	32	\$3,640.00					32	\$3,640
6.2.2	Utility Field Meetings	16	\$3,560.00					16	\$3,560
6.2.3	Utility Conflict/Request Conflict Resolution Plan Letters	20	\$3,800.00					20	\$3,800
6.2.4	Notice to Owner Packages	30	\$3,870.00					30	\$3,870
6.3	90% PS&E								
6.3.1	Response to Comments	11	\$2,185.00					11	\$2,185
6.3.2	Update Roadway PS&E	128	\$15,100.00					128	\$15,100
6.4	100% Design	84	\$10,200.00					84	\$10,200
6.5	Deliver Final PS&E	10	\$1,910.00					10	\$1,910
	Total Task 6	351	\$74,695.00					351	\$74,695
7.0	Assistance During Bidding								
7.1	Assistance During Bidding	16	\$3,560.00					16	\$3,560
	Total Task 7	16	\$3,560.00					16	\$3,560
8.0	Construction Support Services								
8.1	Engineering Support Services	56	\$9,700.00					56	\$9,700
	Total Task 8	56	\$9,700.00					56	\$9,700
	TOTAL DIRECT LABOR HOURS	990	\$148,845.00	115	\$16,232.18	126	\$20,046.83	1,231	\$186,023.01
	TOTAL OTHER DIRECT COST		\$11,250.00		\$6,314.20		\$830.00		\$18,414.20
	TOTAL PROJECT COST		\$160,095.00		\$22,566.38		\$21,778.83		\$204,440.21



Prime

Task #	Task Name	Loaded Rate:							TASK HOURS	TASK COSTS
		ENGINEER VII, Greg Gross	ENGINEER III, To Be Determined	TECHNICAL I, To Be Determined	PROFESSIONAL VIII, To Be Determined	PROFESSIONAL VII, To Be Determined	PROFESSIONAL I, To Be Determined	PROFESSIONAL III, To Be Determined		
		\$275.00	\$170.00	\$95.00	\$285.00	\$260.00	\$115.00	\$165.00		
0	Project Implementation									
1.1	Project Management	20	40		8				68	\$14,580.00
1.2	Quality Control/Quality Assurance	16			6				22	\$6,110.00
1.3	Existing Document Review	2	8						10	\$1,910.00
1.4	Property Owner Outreach	16		16					32	\$5,920.00
	Total Task 1	54	48	16	14				132	\$28,520.00
0	Surveys and Mapping									
	Total Task 2									
0	Preliminary Engineering (35% PS&E)									
3.1	Preliminary Utility Coordination	1	16	16					33	\$4,515.00
3.2	Preliminary Design									
3.2.1	Preliminary 35% Road Design	20	40	80					140	\$19,900.00
3.2.2	Preliminary 35% Plans and Cost Estimate		8	8					16	\$2,120.00
	Total Task 3	21	64	104					189	\$26,535.00
0	Geotechnical Field Exploration and Engineering									
	Total Task 4									
0	Environmental Studies and Consultation with Regulatory Agencies									
5.1	CEQA CE				2	1	40	3	46	\$5,925.00
	Total Task 5				2	1	40	3	46	\$5,925.00
0	Final Design (Plans, Specifications and Estimates)									
6.1	Final Design (65% PS&E)									
6.1.1	Approach Roadway Design	8	60	120					188	\$23,800.00
6.1.2	Engineer's Estimate of Probable Construction Cost		8	8					16	\$2,120.00
6.1.3	Contract Specification/Special Provisions	16							16	\$4,400.00
6.2	Utility Coordination									
6.2.1	Utility Conflict Exhibits		8	24					32	\$3,640.00
6.2.2	Utility Field Meetings	8	8						16	\$3,560.00
6.2.3	Utility Conflict/Request Conflict Resolution Plan Letters	4	16						20	\$3,820.00
6.2.4	Notice to Owner Packages	4	4	22					30	\$3,870.00
6.3	90% PS&E									
6.3.1	Response to Comments	3	8						11	\$2,185.00
6.3.2	Update Roadway PS&E	8	20	100					128	\$15,100.00
6.4	100% Design	4	20	60					84	\$10,200.00
6.5	Deliver Final PS&E	2	8						10	\$1,910.00
	Total Task 6	57	160	334					551	\$74,605.00
0	Assistance During Bidding									
7.1	Assistance During Bidding	8	8						16	\$3,560.00
	Total Task 7	8	8						16	\$3,560.00
0	Construction Support Services									
8.1	Engineering Support Services	16	20	20					56	\$9,700.00
	Total Task 8	16	20	20					56	\$9,700.00
	TOTAL DIRECT LABOR HOURS	156	300	474	16	1	40	3	990	\$148,845.00

OTHER DIRECT COSTS (see attached sheet)

\$11,250.00

TOTAL PROJECT COST \$160,095.00

Note: Mark-ups are Not Allowed

☐ 2nd Tier Subconsultant
Date: 4/9/2024

Classification/Title	Name	Hours	Actual Hourly Rate	Range	Total
ENGINEER VII	Greg Gross	156.0	\$97.23	\$90 - \$104	\$15,168.53
ENGINEER III	To Be Determined	300.0	\$60.11	\$56 - \$64	\$18,032.52
TECHNICAL I	To Be Determined	474.0	\$33.59	\$28 - \$39	\$15,921.65
PROFESSIONAL VIII	To Be Determined	16.0	\$100.77	\$97 - \$105	\$1,612.32
PROFESSIONAL VII	To Be Determined	1.0	\$91.93	\$87 - \$97	\$91.93
PROFESSIONAL I	To Be Determined	40.0	\$40.66	\$35 - \$46	\$1,626.46
PROFESSIONAL III	To Be Determined	3.0	\$58.34	\$55 - \$62	\$175.02
	Total	990.0			\$52,628.43

Optional Anticipated Salary

Description	Quantity	Unit	Unit Cost	Total
EDR Record Search	1	EA	\$350.00	\$350.00
Cultural Record Search	1	EA	\$900.00	\$900.00
Trimble Rental		Per Day	\$300.00	
Utility Potholing	1	LS	\$10,000.00	\$10,000.00
Base Project ODC's Subtotal				\$11,250.00
Optional ODC's Subtotal				

Subconsultant 1:	AIM Consulting	\$	-
Subconsultant 2:	Avila	\$	-
Subconsultant 3:	Bennett Engineering + Y&C Transportation	\$	-
Subconsultant 4:	Crawford	\$	22,566.38
Subconsultant 5:	REY	\$	-
Subconsultant 6:	River Focus	\$	-
Subconsultant 7:	UNICO Engineering	\$	21,778.83
Subconsultant 8:	NAME OF SUB #8	\$	-
Subconsultant 9:	NAME OF SUB #9	\$	-
Subconsultant 10:	NAME OF SUB #10	\$	-
m) TOTAL 2nd TIER SUBCONSULTANT'S COSTS		\$	44,345.21

TOTAL COST [(c) + (i) + (k) + (j) + (n)]	\$204,440.21
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6. Billing rate = (actual hourly rate) * ((1 + ICR) * (1 + Fee)) + (actual hourly rate * FCCM). All costs must comply with the Federal cost principles for reimbursement.

City of Sonora
TBD

Crawford

Geotechnical Engineering

TASK COSTS												
TASK HOURS												
Task #	Task Name	Principal, Shawn Leva	Project Manager I, TBD	Senior Engineer/Geologis t, TBD	Project Engineer I/Geologist, TBD	Project Engineer I/Geologist, TBD	Staff Engineer/Geologis t, TBD	Project Coordinator, TBD	Administrative Assistant, TBD	Laborer TBD	Technician*, TBD	
1.0	Project Implementation											
1.1	Project Management	1	2				14	8	4			29
1.2	Quality Control/Quality Assurance											
1.3	Existing Document Review											
1.4	Property Owner Outreach											
	Total Task 1	1	2			14	8	4				\$3,971.09
2.0	Surveys and Mapping											
	Total Task 2											
3.0	Preliminary Engineering (35% PS&E)											
	Total Task 3											
4.0	Geotechnical Field Exploration and Engineering											
4.1	Preliminary Review, Coordination and Permits		2				8			2	8	20
4.2	Subsurface Exploration		0.5			1						1.5
4.3	Laboratory Testing											
4.4	Pavement Design Memorandum	2	4	6	12	30	8	2				64
	Total Task 4	2	6.5	6	13	38	8	2	2	2	8	86
5.0	Environmental Studies and Consultation with Regulatory Agencies											
	Total Task 5											
6.0	Final Design (Plans, Specifications and Estimates)											
	Total Task 6											
7.0	Assistance During Bidding											
	Total Task 7											
8.0	Construction Support Services											
	Total Task 8											
TOTAL DIRECT LABOR HOURS		3	8.5	6	13	52	16	6	2	8		115
OTHER DIRECT COSTS (see attached sheet)												
TOTAL PROJECT COST												\$22,566.38

EXHIBIT 10-H COST PROPOSAL Page 1 of 3
COST-PLUS-FIXED FEE OR LUMP SUM OR FIRM FIXED PRICE CONTRACTS
(DESIGN, ENGINEERING, AND ENVIRONMENTAL STUDIES)

Note: Mark-ups are Not Allowed

Consultant: Crawford ☐ Prime Consultant ☒ Subconsultant ☐ 2nd Tier Subconsultant
Project No. TBD Contract No. TBD Date: 4/9/2024
DIRECT LABOR

Classification/Title	Name	Hours	Actual Hourly Rate	Total
Principal	Shawn Leyva	3.0	\$52.88	\$158.64
Project Manager I	TBD	8.5	\$50.00	\$425.00
Senior Engineer/Geologist	TBD	6.0	\$45.38	\$272.28
Project Engineer II/Geologist	TBD	13.0	\$41.49	\$539.37
Project Engineer I/Geologist	TBD	52.0	\$37.63	\$1,956.76
Staff Engineer/Geologist	TBD	16.0	\$34.25	\$548.00
Project Coordinator	TBD	6.0	\$35.00	\$210.00
Administrative Assistant	TBD	2.0	\$29.75	\$59.50
Laborer Technician**	TBD	8.0	\$37.63	\$301.04
	Total	114.5		\$4,470.59

LABOR COSTS

a) Subtotal Direct Labor Costs	\$4,470.59
b) Anticipated Salary Increases (Note 3)	
Optional Anticipated Salary	

INDIRECT COSTS

INDIRECT COSTS:			
d) Fringe Benefits (Rate):	<u>93.29%</u>	e) Total Fringe Benefits [(c) × (d)]	<u>\$4,170.61</u>
f) Overhead (Rate):	<u>116.79%</u>	g) Overhead [(c) × (f)]	<u>\$5,221.20</u>
h) General and Administrative (Rate):	<u>20.00%</u>	i) Gen & Admin [(c) × (f)]	<u>\$894.12</u>
		j) TOTAL INDIRECT COSTS [(e) + (g) + (i)]	\$10,285.93

FIXED FEE	k)	TOTAL FIXED PROFIT	10%	\$1,475.65
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1) CONSULTANT'S OTHER DIRECT COSTS (ODC) - ITEMIZE (Add additional pages if necessary)

CONSULTANT'S OTHER DIRECT COSTS (ODC) - ITEMIZE (Add additional pages if necessary)				
Description	Quantity	Unit	Unit Cost	Total
Plasticity Index (D4318)	1	Each	\$260.00	\$260.00
R-Value (D2844 / CAL301)	1	Each	\$450.00	\$450.00
Personal Vehicle	460	Mile	\$0.67	\$308.20
Core Machine Bit	24	Inch	\$3.00	\$72.00
Vehicle Charge	2	Day	\$40.00	\$80.00
Traffic Control (Major)	1	Day	\$2,500.00	\$2,500.00
Backfill	8	Bag	\$8.00	\$64.00
Core Machine w/ Generator **	1	Day	\$2,600.00	\$2,600.00
Base Project ODC's Subtotal				\$6,334.20
Optional ODC's Subtotal				

1) TOTAL OTHER DIRECT COSTS	\$6,334.20
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m) SUBCONSULTANT'S COSTS (add additional pages if necessary)

Subconsultant 1: _____

Subconsultant 2: _____

Subconsultant 3: _____

Subconsultant 4: _____

m) TOTAL 2nd TIER SUBCONSULTANT'S COSTS

n) TOTAL OTHER DIRECT COSTS INCLUDING 2nd TIER SUBCONSULTANTS [(l) + (m)]	\$6,334.20
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TOTAL COST [(c) + (j) + (k) + (n)]	\$22,566.38
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NOTES:

1. Key Personnel must be marked with an asterisk (*) and employees that are subject to prevailing wage requirements must be marked with two asterisks (**). All costs must comply with the Federal Cost Principles. Subconsultants will provide their own cost proposals.
2. The cost proposal format shall not be amended. Indirect cost rates shall be updated on an annual basis in accordance with the consultant's annual accounting period and established by a cognized agency or accepted by Caltrans.
3. Anticipated salary increases calculation (page 2) must accompany.
4. Pre-approved travel and per-diem costs will be reimbursed in conformance with the current Department of Transportation Travel and Expense Guide for Consultants.
5. Pre-approved actual costs are competitive prices from appropriate vendors in their respective industries, and supported by receipts.

UNICO Engineering
Surveying

TBD

[illegible]

EXHIBIT 10-H COST PROPOSAL Page 1 of 3
COST-PLUS-FIXED FEE OR LUMP SUM OR FIRM FIXED PRICE CONTRACTS
 (DESIGN, ENGINEERING, AND ENVIRONMENTAL STUDIES)

Note: Mark-ups are Not Allowed

Consultant: UNICO Engineering ☐ Prime Consultant ☒ Subconsultant ☐ 2nd Tier Subconsultant
 Project No. TBD Contract No. TBD Date: 4/9/2024

DIRECT LABOR

Classification/Title	Name	Hours	Actual Hourly Rate	Total
Survey Manager	Rob Markes	6.0	\$80.00	\$480.00
Senior Land Surveyor	Ryan Ming	20.0	\$67.00	\$1,340.00
Land Surveyor	TBD	20.0	\$48.00	\$960.00
Survey Technician	TBD	24.0	\$30.00	\$720.00
Party Chief	TBD	36.0	\$77.56	\$2,792.16
Rodman	TBD	20.0	\$74.18	\$1,483.60
Total		126.0		\$7,775.76

LABOR COSTS

a) Subtotal Direct Labor Costs \$7,775.76
 b) Anticipated Salary Increases (Note 3) _____
 Optional Anticipated Salary _____
 c) **TOTAL DIRECT LABOR COSTS [(a)+(b)]** \$7,775.76

INDIRECT COSTS

d) Fringe Benefits (Rate): 54.95% e) Total Fringe Benefits [(c) × (d)] \$4,272.78
 f) Overhead (Rate): 89.97% g) Overhead [(c) × (f)] \$6,995.85
 h) General and Administrative (Rate): _____ i) Gen & Admin [(c) × (h)] _____
 j) **TOTAL INDIRECT COSTS [(e)+(g)+(i)]** \$11,268.63

FIXED FEE 10% **TOTAL FIXED PROFIT** 10% \$1,904.44

1) CONSULTANT'S OTHER DIRECT COSTS (ODC) - ITEMIZE (Add additional pages if necessary)

Description	Quantity	Unit	Unit Cost	Total
Per Diem	5	Day	\$166.00	\$830.00
Base Project ODC's Subtotal				\$830.00
Optional ODC's Subtotal				

1) TOTAL OTHER DIRECT COSTS \$830.00

m) SUBCONSULTANT'S COSTS (add additional pages if necessary)

Subconsultant 1: _____
 Subconsultant 2: _____
 Subconsultant 3: _____
 Subconsultant 4: _____

m) TOTAL 2nd TIER SUBCONSULTANT'S COSTS _____

n) TOTAL OTHER DIRECT COSTS INCLUDING 2nd TIER SUBCONSULTANTS [(l) + (m)] \$830.00

TOTAL COST [(c) + (j) + (k) + (n)] \$21,778.83

NOTES:

- Key Personnel must be marked with an asterisk (*) and employees that are subject to prevailing wage requirements must be marked with two asterisks (**). All costs must comply with the Federal Cost Principles. Subconsultants will provide their own cost proposals.
- The cost proposal format shall not be amended. Indirect cost rates shall be updated on an annual basis in accordance with the consultant's annual accounting period and established by a cognized agency or accepted by Caltrans.
- Anticipated salary increases calculation (page 2) must accompany.
- Pre-approved travel and per-diem costs will be reimbursed in conformance with the current Department of Transportation Travel and Expense Guide for Consultants.
- Pre-approved actual costs are competitive prices from appropriate vendors in their respective industries, and supported by receipts.