

June 22, 2018

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Peter Ramey
Public Works, Capital Improvement Projects, City of Corona
400 S. Vicentia Avenue
Corona, CA 92882

Subject: **McKinley Street Grade Separation – Fee Proposal**
City of Corona Project No. 2012-12, RFP 18-046CA

Dear Mr. Ramey:

Biggs Cardosa is pleased to present our fee proposal for the McKinley Street Grade Separation.

Our scope and fee proposal are based on the roundabout concept, and a network tied-arch bridge that is constructed off-site and moved into place, as presented in our proposal. It is important to note that these concepts represent significant overall savings in right-of-way and schedule (reduction in business loss liability).

The table below compares the overall project cost prepared in November 2017 and presented at the February 2018 City Council Study Session versus our opinion of probable cost presented in our proposal.

	Independent Cost Estimate November 2017	Biggs Cardosa Proposal
Construction Cost	\$37.9M	\$47.1M
Utility Relocation	\$3.6M	\$3.0M
Right-of-Way Cost	\$24.2M	\$5.0M
Total Capital Outlay Costs	\$65.7M	\$55.1M
Design, Environmental, Const.	\$9.5M + \$0.8M = \$10.3M	\$10.9M
BNSF Coordination		
Construction Management	\$6.8M	\$6.8M
City Oversight	\$1.9M	\$1.9M
Total Support Cost	\$19.0M	\$19.8M
Total Capital & Support Cost	\$84.7M	\$74.9M
Goodwill Loss Estimate	\$16.5M	\$8.0M
Total Project Cost	\$101.2M	\$82.7M
Current Funding	\$89.5M	\$89.5M
Budget Surplus / (Deficit)	(\$11.7M)	\$6.8M

Our concept represents significant overall cost savings and fits within the available \$89.5M of current funding.

Our fee proposal includes significant savings to the City based on our extensive pre-contractual work. We developed and refined concepts, conducted alternatives analysis, prepared an initial 3D interactive model, and gathered as-builts and existing data, among other items. These savings are passed onto the City in our cost proposal.

Our fees are broken down as follows:


- Design, Environmental, Right-of-Way (Task 1-8): \$9,833,393
- Engineering Construction Services: \$770,116
- Optional Services: \$326,789

The attached fee proposal includes a summary sheet (p. 1 – 5) and a detailed breakdown for each consultant (p. 6 – 19).

We look forward to working with you on this project. If you have any questions, please do not hesitate to give me a call.

Sincerely,

BIGGS CARDOSA
ASSOCIATES, INC.



Michael Thomas, PE, SE
Project Manager

Enclosures: **Fee Proposal Summary/Breakdown
Scope of Services**

McKinley Street Grade Separation

Fee Proposal | Summary

S.O.W. Phase / Task	Biggs Cardosa Associates	Subconsultant Task Totals						Task Totals
		Kimley-Horn & Associates	David Evans & Associates	ICF	Earth Mechanics	BKF Engineers	Arellano Associates	
Task 1 - Project Administration								\$784,460
1.1 Project Management Plan	\$52,367	\$4,564	\$4,497	\$0	\$2,143	\$0	\$0	\$63,571
1.2 Quality Control Plan	\$89,705	\$10,880	\$14,324	\$0	\$545	\$9,744	\$0	\$125,198
1.3 Project Controls	\$108,366	\$88,550	\$7,362	\$30,444	\$1,636	\$20,507	\$17,363	\$274,228
1.4 Project Development Team Meetings	\$130,166	\$109,128	\$0	\$25,518	\$0	\$12,655	\$43,996	\$321,463
Task 2 - Data Collection								\$853,357
2.1 Aerial Mapping	\$3,133	\$4,315	\$0	\$0	\$0	\$69,377	\$0	\$76,825
2.2 Field Survey	\$5,723	\$9,669	\$0	\$0	\$0	\$106,089	\$0	\$121,480
2.3 Potholing	\$1,485	\$271,890	\$0	\$0	\$0	\$10,769	\$0	\$284,144
2.4 Right-of-Way Base Mapping	\$4,798	\$4,315	\$0	\$0	\$0	\$156,622	\$0	\$165,735
2.5 Utility Notification	\$5,121	\$19,640	\$0	\$0	\$0	\$0	\$0	\$24,761
2.6 Utility Base Mapping	\$1,477	\$24,643	\$0	\$0	\$0	\$0	\$0	\$26,120
2.7 Geotechnical Records Research & Findings	\$0	\$0	\$0	\$0	\$4,287	\$0	\$0	\$4,287
2.8 Traffic Analyses								
2.8.1 Preliminary Traffic Analyses	Task performed pre-contractually. No cost to the City.							\$0
2.8.2 Update Traffic Analyses	\$5,307	\$61,538	\$0	\$0	\$0	\$0	\$0	\$66,844
2.9 Caltrans Traffic Reports								
2.9.1 Intersection Control Evaluation	\$2,048	\$18,507	\$0	\$0	\$0	\$0	\$0	\$20,554
2.9.2 Traffic Forecasting Volumes Report	\$2,048	\$14,127	\$0	\$0	\$0	\$0	\$0	\$16,174
2.9.3 Ramp Meter and Merge Analysis	\$2,048	\$14,968	\$0	\$0	\$0	\$0	\$0	\$17,016
2.9.4 Roundabout Analysis	\$2,604	\$26,813	\$0	\$0	\$0	\$0	\$0	\$29,416
Task 3 - Concept Development & Project Approval								\$293,470
3.1 Geometric Concepts	Task performed pre-contractually. No cost to the City.							\$0
3.2 Bridge and Retaining Wall Concepts	Task performed pre-contractually. No cost to the City.							\$0
3.3 Project Concept Report								
3.3.1 Plan and Profile Exhibits	\$13,439	\$13,532	\$0	\$0	\$0	\$0	\$0	\$26,971
3.3.2 Right-of-Way Exhibits	\$10,374	\$0	\$0	\$0	\$0	\$0	\$0	\$10,374
3.3.3 Utility Exhibits	\$5,587	\$4,542	\$0	\$0	\$0	\$0	\$0	\$10,129
3.3.4 Structure Exhibits	\$56,666	\$0	\$13,730	\$0	\$0	\$0	\$0	\$70,396
3.3.5 Preliminary Geotechnical Report	\$3,152	\$0	\$0	\$0	\$10,679	\$0	\$0	\$13,831
3.3.6 Preliminary Traffic Analysis Report	\$3,343	\$0	\$0	\$0	\$0	\$0	\$0	\$3,343
3.3.7 Construction Cost Estimates	\$13,227	\$2,487	\$0	\$0	\$0	\$0	\$0	\$15,715
3.3.8 Right-of-Way Cost Estimates	\$11,588	\$0	\$0	\$0	\$0	\$0	\$0	\$11,588
3.3.9 Project Concept Report	\$55,488	\$0	\$0	\$0	\$0	\$0	\$0	\$55,488
3.4 Project Concept Approval	\$17,922	\$14,562	\$0	\$0	\$0	\$0	\$0	\$32,484
3.5 Design Basis Memorandum	\$28,892	\$9,961	\$4,298	\$0	\$0	\$0	\$0	\$43,150
Task 4 - Environmental Documentation								\$509,875
4.1 CEQA Statutory Exemption	\$1,112	\$0	\$0	\$875	\$0	\$0	\$0	\$1,988
4.2 Technical Studies	\$71,894	\$11,163	\$0	\$393,124	\$31,705	\$0	\$0	\$507,887

McKinley Street Grade Separation

Fee Proposal | Summary

S.O.W. Phase / Task	Biggs Cardosa Associates	Subconsultant Task Totals						Task Totals
		Kimley-Horn & Associates	David Evans & Associates	ICF	Earth Mechanics	BKF Engineers	Arellano Associates	
Task 5 - Plans, Specifications & Estimates (PS&E)								\$5,916,455
5.1 Reports								
5.1.1 Water Quality Management Plan	\$2,971	\$29,845	\$0	\$0	\$0	\$0	\$0	\$32,816
5.1.2 Hydrology & Hydraulics Reports	\$2,598	\$57,765	\$0	\$0	\$0	\$0	\$0	\$60,363
5.1.3 Traffic Management Plan	\$7,053	\$51,188	\$0	\$0	\$0	\$0	\$0	\$58,242
5.1.4 Geotechnical Investigations & Report	\$11,474	\$0	\$0	\$0	\$460,332	\$0	\$0	\$471,806
5.1.5 Landscaping & Aesthetic Concepts	\$13,954	\$13,497	\$0	\$0	\$0	\$0	\$0	\$27,452
5.1.6 Structure Type Selection Report	\$51,624	\$0	\$18,040	\$0	\$0	\$0	\$0	\$69,663
Task 5 - 35% PS&E								
5.2 Calculations								
5.2.1 Civil/Survey Calculations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5.2.2 Structural Calculations	\$74,943	\$0	\$0	\$0	\$0	\$0	\$0	\$74,943
5.3 Plan Preparation								
5.3.1 General Plans	\$3,117	\$2,141	\$0	\$0	\$0	\$0	\$0	\$5,258
5.3.4 Roadway Plans	\$2,604	\$145,894	\$0	\$0	\$0	\$0	\$0	\$148,498
5.3.5 Traffic Plans	\$2,604	\$80,896	\$0	\$0	\$0	\$0	\$0	\$83,500
5.3.6 Utility Plans	\$2,604	\$81,815	\$0	\$0	\$0	\$0	\$0	\$84,419
5.3.8 Drainage Plans	\$1,302	\$72,677	\$0	\$0	\$0	\$0	\$0	\$73,979
5.3.9 Bridge Plans	\$55,018	\$4,607	\$0	\$0	\$0	\$0	\$0	\$59,626
5.3.10 Retaining Wall Plans	\$57,647	\$4,607	\$0	\$0	\$0	\$0	\$0	\$62,254
5.5 Cost Estimates	\$9,138	\$37,565	\$0	\$0	\$0	\$0	\$0	\$46,703
Task 5 - 65% PS&E								
5.2 Calculations								
5.2.1 Civil/Survey Calculations	\$0	\$12,221	\$0	\$0	\$0	\$0	\$0	\$12,221
5.2.2 Structural Calculations	\$428,974	\$0	\$0	\$0	\$0	\$0	\$0	\$428,974
5.3 Plan Preparation								
5.3.1 General Plans	\$4,967	\$0	\$0	\$0	\$0	\$0	\$0	\$4,967
5.3.2 Survey Control Plan	\$1,302	\$0	\$0	\$0	\$0	\$0	\$0	\$1,302
5.3.3 Right-of-Way Plans	\$4,841	\$0	\$0	\$0	\$0	\$0	\$0	\$4,841
5.3.4 Roadway Plans	\$11,140	\$215,002	\$0	\$0	\$0	\$0	\$0	\$226,143
5.3.5 Traffic Plans	\$2,604	\$119,289	\$0	\$0	\$0	\$0	\$0	\$121,893
5.3.6 Utility Plans	\$7,432	\$109,286	\$0	\$0	\$0	\$0	\$0	\$116,718
5.3.7 Landscaping & Irrigation Plans	\$2,421	\$50,560	\$0	\$0	\$0	\$0	\$0	\$52,981
5.3.8 Drainage Plans	\$4,268	\$114,477	\$0	\$0	\$0	\$0	\$0	\$118,745
5.3.9 Bridge Plans	\$365,897	\$9,214	\$0	\$0	\$0	\$0	\$0	\$375,112
5.3.10 Retaining Wall Plans	\$180,250	\$9,214	\$0	\$0	\$0	\$0	\$0	\$189,464
5.3.11 Log of Test Borings	\$2,048	\$0	\$0	\$0	\$15,755	\$0	\$0	\$17,803
5.4 Specifications	\$59,781	\$53,084	\$0	\$0	\$400	\$0	\$0	\$113,265
5.5 Cost Estimates	\$45,575	\$37,565	\$0	\$0	\$0	\$0	\$0	\$83,140
5.6 Construction Schedule	\$15,965	\$0	\$0	\$0	\$0	\$0	\$0	\$15,965

McKinley Street Grade Separation

Fee Proposal | Summary

S.O.W. Phase / Task	Biggs Cardosa Associates	Subconsultant Task Totals						Task Totals
		Kimley-Horn & Associates	David Evans & Associates	ICF	Earth Mechanics	BKF Engineers	Arellano Associates	
Task 5 - 95% PS&E								
5.2 Calculations								
5.2.1 Civil/Survey Calculations	\$2,781	\$5,992	\$0	\$0	\$0	\$13,038	\$0	\$21,810
5.2.2 Structural Calculations	\$159,609	\$0	\$0	\$0	\$0	\$0	\$0	\$159,609
5.2.3 Independent Check	\$108,274	\$0	\$192,949	\$0	\$0	\$0	\$0	\$301,223
5.3 Plan Preparation								
5.3.1 General Plans	\$4,967	\$0	\$0	\$0	\$0	\$0	\$0	\$4,967
5.3.2 Survey Control Plan	\$1,302	\$0	\$0	\$0	\$0	\$9,339	\$0	\$10,641
5.3.3 Right-of-Way Plans	\$3,350	\$0	\$0	\$0	\$0	\$15,307	\$0	\$18,656
5.3.4 Roadway Plans	\$6,320	\$215,002	\$0	\$0	\$0	\$0	\$0	\$221,322
5.3.5 Traffic Plans	\$2,604	\$102,959	\$0	\$0	\$0	\$0	\$0	\$105,563
5.3.6 Utility Plans	\$5,208	\$93,712	\$0	\$0	\$0	\$0	\$0	\$98,920
5.3.7 Landscaping & Irrigation Plans	\$2,048	\$63,646	\$0	\$0	\$0	\$0	\$0	\$65,694
5.3.8 Drainage Plans	\$3,716	\$79,166	\$0	\$0	\$0	\$0	\$0	\$82,882
5.3.9 Bridge Plans	\$176,995	\$9,214	\$64,220	\$0	\$0	\$0	\$0	\$250,430
5.3.10 Retaining Wall Plans	\$73,707	\$9,214	\$0	\$0	\$0	\$0	\$0	\$82,921
5.3.11 Log of Test Borings	\$2,048	\$0	\$0	\$0	\$1,855	\$0	\$0	\$3,903
5.4 Specifications	\$63,258	\$53,084	\$18,374	\$0	\$400	\$0	\$0	\$135,116
5.5 Cost Estimates	\$27,674	\$37,565	\$0	\$0	\$0	\$0	\$0	\$65,239
5.6 Construction Schedule	\$11,870	\$0	\$0	\$0	\$0	\$0	\$0	\$11,870
Task 5 - 100% PS&E								
5.2 Calculations								
5.2.1 Civil/Survey Calculations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5.2.2 Structural Calculations	\$77,992	\$0	\$0	\$0	\$0	\$0	\$0	\$77,992
5.3 Plan Preparation								
5.3.1 General Plans	\$3,863	\$0	\$0	\$0	\$0	\$0	\$0	\$3,863
5.3.2 Survey Control Plan	\$1,302	\$0	\$0	\$0	\$0	\$0	\$0	\$1,302
5.3.3 Right-of-Way Plans	\$2,604	\$0	\$0	\$0	\$0	\$0	\$0	\$2,604
5.3.4 Roadway Plans	\$4,462	\$124,156	\$0	\$0	\$0	\$0	\$0	\$128,618
5.3.5 Traffic Plans	\$2,231	\$50,182	\$0	\$0	\$0	\$0	\$0	\$52,413
5.3.6 Utility Plans	\$3,906	\$71,703	\$0	\$0	\$0	\$0	\$0	\$75,609
5.3.7 Landscaping & Irrigation Plans	\$1,302	\$52,345	\$0	\$0	\$0	\$0	\$0	\$53,647
5.3.8 Drainage Plans	\$2,787	\$54,616	\$0	\$0	\$0	\$0	\$0	\$57,403
5.3.9 Bridge Plans	\$89,322	\$4,607	\$26,391	\$0	\$0	\$0	\$0	\$120,320
5.3.10 Retaining Wall Plans	\$41,987	\$4,607	\$0	\$0	\$0	\$0	\$0	\$46,594
5.3.11 Log of Test Borings	\$1,302	\$0	\$0	\$0	\$1,855	\$0	\$0	\$3,157
5.4 Specifications	\$36,540	\$26,637	\$10,047	\$0	\$400	\$0	\$0	\$73,624
5.5 Cost Estimates	\$16,488	\$18,669	\$0	\$0	\$0	\$0	\$0	\$35,157
5.6 Construction Schedule	\$10,271	\$0	\$0	\$0	\$0	\$0	\$0	\$10,271

McKinley Street Grade Separation

Fee Proposal | Summary

S.O.W. Phase / Task	Biggs Cardosa Associates	Subconsultant Task Totals						Task Totals
		Kimley-Horn & Associates	David Evans & Associates	ICF	Earth Mechanics	BKF Engineers	Arellano Associates	
Task 5 - Issued for Bid (IFB)								
5.3 Plan Preparation								
5.3.1 General Plans	\$1,850	\$0	\$0	\$0	\$0	\$0	\$0	\$1,850
5.3.2 Survey Control Plan	\$746	\$0	\$0	\$0	\$0	\$0	\$0	\$746
5.3.3 Right-of-Way Plans	\$1,491	\$0	\$0	\$0	\$0	\$0	\$0	\$1,491
5.3.4 Roadway Plans	\$2,604	\$54,994	\$0	\$0	\$0	\$0	\$0	\$57,598
5.3.5 Traffic Plans	\$0	\$16,141	\$0	\$0	\$0	\$0	\$0	\$16,141
5.3.6 Utility Plans	\$3,160	\$12,113	\$0	\$0	\$0	\$0	\$0	\$15,273
5.3.7 Landscaping & Irrigation Plans	\$746	\$17,055	\$0	\$0	\$0	\$0	\$0	\$17,801
5.3.8 Drainage Plans	\$746	\$14,470	\$0	\$0	\$0	\$0	\$0	\$15,216
5.3.9 Bridge Plans	\$64,313	\$2,304	\$10,207	\$0	\$0	\$0	\$0	\$76,824
5.3.10 Retaining Wall Plans	\$33,426	\$2,304	\$0	\$0	\$0	\$0	\$0	\$35,729
5.3.11 Log of Test Borings	\$0	\$0	\$0	\$0	\$1,191	\$0	\$0	\$1,191
5.4 Specifications	\$15,557	\$11,183	\$5,024	\$0	\$400	\$0	\$0	\$32,163
5.5 Cost Estimates	\$9,472	\$8,567	\$0	\$0	\$0	\$0	\$0	\$18,038
Task 6 - Right-of-Way								\$414,004
6.1 Right-of-Way Requirements	\$8,570	\$76,213	\$0	\$0	\$0	\$24,614	\$0	\$109,397
6.2 Right-of-Way Maps	\$33,702	\$0	\$0	\$0	\$0	\$56,540	\$0	\$90,242
6.3 Appraisal Maps, Plats, and Descriptions	\$91,217	\$0	\$0	\$0	\$0	\$123,148	\$0	\$214,365
Task 7 - Coordination, Agreements & Permits								\$877,394
7.1 BNSF Railway								
7.1.1 Construction & Maintenance Agreement	\$81,025	\$0	\$13,796	\$0	\$0	\$0	\$0	\$94,822
7.1.2 Submittals	\$70,880	\$0	\$5,332	\$0	\$0	\$0	\$0	\$76,213
7.2 California Public Utilities Commission	\$23,402	\$0	\$0	\$0	\$0	\$0	\$0	\$23,402
7.3 Caltrans District 8	\$70,823	\$161,576	\$0	\$0	\$0	\$0	\$0	\$232,399
7.4 Riverside County Flood Control & WCD	\$14,107	\$20,332	\$0	\$0	\$0	\$0	\$0	\$34,439
7.5 Utility Coordination	\$68,474	\$119,311	\$0	\$0	\$0	\$0	\$0	\$187,785
7.6 Community Engagement	\$101,589	\$0	\$0	\$0	\$0	\$0	\$126,745	\$228,335
Task 8 - Bidding Services								\$184,379
8.1 Resident Engineer (RE) Pending File	\$32,878	\$24,150	\$0	\$0	\$0	\$0	\$0	\$57,027
8.2 Bidding Phase Support	\$13,411	\$35,778	\$0	\$0	\$0	\$0	\$0	\$49,189
8.3 Conformed Plans and Specifications	\$43,631	\$34,532	\$0	\$0	\$0	\$0	\$0	\$78,163
Design (Tasks 1 - 8) Totals	\$3,885,101	\$3,740,305	\$408,591	\$449,962	\$533,582	\$627,748	\$188,104	\$9,833,393

McKinley Street Grade Separation

Fee Proposal | Summary

S.O.W. Phase / Task	Biggs Cardosa Associates	Subconsultant Task Totals						Task Totals
		Kimley-Horn & Associates	David Evans & Associates	ICF	Earth Mechanics	BKF Engineers	Arellano Associates	

Task 9 - Engineering Construction Services									
9.1	Engineering Support (RFIs, Shop Drawings...)	\$371,495	\$247,437	\$41,776	\$0	\$5,377	\$0	\$0	\$666,085
9.2	Preparation of Record Documents (As-Builts)	\$64,688	\$39,342	\$0	\$0	\$0	\$0	\$0	\$104,030
Const. Support (Task 9) Totals		\$436,182	\$286,779	\$41,776	\$0	\$5,377	\$0	\$0	\$770,116

Task 10 - Optional Services									
10.1	Construction Staking	\$0	\$0	\$0	\$0	\$0	\$201,782	\$0	\$201,782
10.2	Right-of-Way Staking for Partial Acquisitions	\$0	\$0	\$0	\$0	\$0	\$38,165	\$0	\$38,165
10.3	Project Closeout Items	\$0	\$0	\$0	\$0	\$0	\$86,843	\$0	\$86,843
Optional Services (Task 10) Totals		\$0	\$0	\$0	\$0	\$0	\$326,789	\$0	\$326,789

Notes:

1. Costs for printing, mileage, telephone, mailing and other expenses incidental to the performance of the main items of the Engineering Services to be rendered are included in the hourly rates.
2. All charges for subconsultants/subcontract services shall be in the same amount as actually invoiced to and paid by Biggs Cardosa, plus a 5% markup.

S.O.W. Phase / Task	S. Biggs Principal-in- Charge Principal III	M. Thomas Project Manager Principal II	D. Devlin QA Manager Principal II	D. De Vera QC Manager Associate	R. Ketring BNSF Coord. Railroad Coordinator	E. Pheifer Struct. Mgr. Engineering Manager	Senior Engineer	Project Engineer	Staff Engineer	Assistant Engineer	Senior Computer Drafter	Project Admin.	Project Coordinator	Secretarial	Total Hours	Labor Subtotal	Escalation**	Expenses	Task Totals	
	\$305.00	\$270.00	\$270.00	\$210.00	\$263.00	\$181.00	\$164.00	\$147.00	\$134.00	\$124.00	\$134.00	\$147.00	\$122.00	\$97.00						
Task 1 - Project Administration	\$380,605																			
1.1 Project Management Plan	2	80	4	8		80				40			40	16	270	\$50,842	\$1,525	\$0	\$52,367	
1.2 Quality Control Plan	4	80	16	16		160	16	16	104	24	24		8	16	484	\$87,092	\$2,613	\$0	\$89,705	
1.3 Project Controls	30	180				60						120	60	120	570	\$105,210	\$3,156	\$0	\$108,366	
1.4 Project Development Team Meetings		150			50	200							200	125	725	\$126,375	\$3,791	\$0	\$130,166	
Task 2 - Data Collection	\$35,790																			
2.1 Aerial Mapping						2			16		4				22	\$3,042	\$91	\$0	\$3,133	
2.2 Field Survey		4				4			24		4				36	\$5,556	\$167	\$0	\$5,723	
2.3 Potholing		4				2									6	\$1,442	\$43	\$0	\$1,485	
2.4 Right-of-Way Base Mapping		4				2		8		16					30	\$4,658	\$140	\$0	\$4,798	
2.5 Utility Notification		8				4	8						8		28	\$4,972	\$149	\$0	\$5,121	
2.6 Utility Base Mapping						2				8					10	\$1,434	\$43	\$0	\$1,477	
2.7 Geotechnical Records Research & Findings															0	\$0	\$0	\$0	\$0	
2.8 Traffic Analyses																				
2.8.1 Preliminary Traffic Analyses	Task performed pre-contractual by Biggs Cardosa. No cost to the City.															0	\$0	\$0	\$0	\$0
2.8.2 Update Traffic Analyses		4				8	16								28	\$5,152	\$155	\$0	\$5,307	
2.9 Caltrans Traffic Reports																				
2.9.1 Intersection Control Evaluation		2				8									10	\$1,988	\$60	\$0	\$2,048	
2.9.2 Traffic Forecasting Volumes Report		2				8									10	\$1,988	\$60	\$0	\$2,048	
2.9.3 Ramp Meter and Merge Analysis		2				8									10	\$1,988	\$60	\$0	\$2,048	
2.9.4 Roundabout Analysis		4				8									12	\$2,528	\$76	\$0	\$2,604	
Task 3 - Concept Development & Project Approval	\$219,678																			
3.1 Geometric Concepts	Task performed pre-contractual by Biggs Cardosa. No cost to the City.															0	\$0	\$0	\$0	\$0
3.2 Bridge and Retaining Wall Concepts	Task performed pre-contractual by Biggs Cardosa. No cost to the City.															0	\$0	\$0	\$0	\$0
3.3 Project Concept Report																				
3.3.1 Plan and Profile Exhibits		32				16				4		8			60	\$13,048	\$391	\$0	\$13,439	
3.3.2 Right-of-Way Exhibits		24				8				16					48	\$10,072	\$302	\$0	\$10,374	
3.3.3 Utility Exhibits		4				24									28	\$5,424	\$163	\$0	\$5,587	
3.3.4 Structure Exhibits		12	2	16		60	80			120	60		8		358	\$55,016	\$1,650	\$0	\$56,666	
3.3.5 Preliminary Geotechnical Report		2				8			8						18	\$3,060	\$92	\$0	\$3,152	
3.3.6 Preliminary Traffic Analysis Report		8				6									14	\$3,246	\$97	\$0	\$3,343	
3.3.7 Construction Cost Estimates		8	2	4	2	16		40							72	\$12,842	\$385	\$0	\$13,227	
3.3.8 Right-of-Way Cost Estimates		8	1	2		8		40		8					67	\$11,250	\$338	\$0	\$11,588	
3.3.9 Project Concept Report		16	4	20		80	80		40				80	16	336	\$53,872	\$1,616	\$0	\$55,488	
3.4 Project Concept Approval		16				16	20			8			16	40	116	\$17,400	\$522	\$0	\$17,922	
3.5 Design Basis Memorandum	2	16	4	8		40	80								150	\$28,050	\$842	\$0	\$28,892	
Task 4 - Environmental Documentation	\$73,006																			
4.1 CEQA Statutory Exemption		4													4	\$1,080	\$32	\$0	\$1,112	
4.2 Technical Studies		120	40			120							40		320	\$69,800	\$2,094	\$0	\$71,894	
Task 5 - Plans, Specifications & Estimates (PS&E)	\$2,522,313																			
5.1 Reports																				
5.1.1 Water Quality Management Plan		8				4									12	\$2,884	\$87	\$0	\$2,971	
5.1.2 Hydrology & Hydraulics Reports		8				2									10	\$2,522	\$76	\$0	\$2,598	
5.1.3 Traffic Management Plan		20				8									28	\$6,848	\$205	\$0	\$7,053	
5.1.4 Geotechnical Investigations & Report		8				20		40							68	\$11,140	\$334	\$0	\$11,474	
5.1.5 Landscaping & Aesthetic Concepts		12	2	4		16				40	8				82	\$13,548	\$406	\$0	\$13,954	
5.1.6 Structure Type Selection Report	4	8	4	16		80	80	8		80	24		4		308	\$50,120	\$1,504	\$0	\$51,624	
Task 5 - 35% PS&E																				
5.2 Calculations																				
5.2.1 Civil/Survey Calculations															0	\$0	\$0	\$0	\$0	
5.2.2 Structural Calculations		8	8			40	80	80	160	120					496	\$72,760	\$2,183	\$0	\$74,943	

S.O.W. Phase / Task	S. Biggs Principal-in- Charge Principal III	M. Thomas Project Manager Principal II	D. Devlin QA Manager Principal II	D. De Vera QC Manager Associate	R. Ketring BNSF Coord. Railroad Coordinator	E. Pheifer Struct. Mgr. Engineering Manager	Senior Engineer	Project Engineer	Staff Engineer	Assistant Engineer	Senior Computer Drafter	Project Admin.	Project Coordinator	Secretarial	Total Hours	Labor Subtotal	Escalation**	Expenses	Task Totals
	\$305.00	\$270.00	\$270.00	\$210.00	\$263.00	\$181.00	\$164.00	\$147.00	\$134.00	\$124.00	\$134.00	\$147.00	\$122.00	\$97.00					
5.3 Plan Preparation																			
5.3.1 General Plans		2	1	2		4					8				17	\$3,026	\$91	\$0	\$3,117
5.3.4 Roadway Plans		4				8									12	\$2,528	\$76	\$0	\$2,604
5.3.5 Traffic Plans		4				8									12	\$2,528	\$76	\$0	\$2,604
5.3.6 Utility Plans		4				8									12	\$2,528	\$76	\$0	\$2,604
5.3.8 Drainage Plans		2				4									6	\$1,264	\$38	\$0	\$1,302
5.3.9 Bridge Plans		24	40			80	40	48			60				292	\$53,416	\$1,602	\$0	\$55,018
5.3.10 Retaining Wall Plans		16	8	40		40	8	8	80	80	80				360	\$55,968	\$1,679	\$0	\$57,647
5.5 Cost Estimates	4	8	4	16	4										36	\$8,872	\$266	\$0	\$9,138
Task 5 - 65% PS&E																			
5.2 Calculations															0	\$0	\$0	\$0	\$0
5.2.1 Civil/Survey Calculations															0	\$0	\$0	\$0	\$0
5.2.2 Structural Calculations		80	40	40		400	320	240	720	960					2800	\$416,480	\$12,494	\$0	\$428,974
5.3 Plan Preparation																			
5.3.1 General Plans		2	1	2		8					16				29	\$4,822	\$145	\$0	\$4,967
5.3.2 Survey Control Plan		2				4									6	\$1,264	\$38	\$0	\$1,302
5.3.3 Right-of-Way Plans		4				20									24	\$4,700	\$141	\$0	\$4,841
5.3.4 Roadway Plans		20				24					8				52	\$10,816	\$324	\$0	\$11,140
5.3.5 Traffic Plans		4				8									12	\$2,528	\$76	\$0	\$2,604
5.3.6 Utility Plans		16				16									32	\$7,216	\$216	\$0	\$7,432
5.3.7 Landscaping & Irrigation Plans		2				10									12	\$2,350	\$71	\$0	\$2,421
5.3.8 Drainage Plans		8				8					4				20	\$4,144	\$124	\$0	\$4,268
5.3.9 Bridge Plans		80	60	20		200	160	240	480	960	240				2440	\$355,240	\$10,657	\$0	\$365,897
5.3.10 Retaining Wall Plans		16	12	80		80	80	120	300	180	320				1188	\$175,000	\$5,250	\$0	\$180,250
5.3.11 Log of Test Borings		2				8									10	\$1,988	\$60	\$0	\$2,048
5.4 Specifications		80	4	16		40	80						120		340	\$58,040	\$1,741	\$0	\$59,781
5.5 Cost Estimates	8	40	8	24		16			8	160					264	\$44,248	\$1,327	\$0	\$45,575
5.6 Construction Schedule		8	2	8		40							40		98	\$15,500	\$465	\$0	\$15,965
Task 5 - 95% PS&E																			
5.2 Calculations																			
5.2.1 Civil/Survey Calculations		2	8												10	\$2,700	\$81	\$0	\$2,781
5.2.2 Structural Calculations		8	40			200	160	120	240	240					1008	\$154,960	\$4,649	\$0	\$159,609
5.2.3 Independent Check			16	120			120	240	80	80					656	\$105,120	\$3,154	\$0	\$108,274
5.3 Plan Preparation																			
5.3.1 General Plans		2	1	2		8					16				29	\$4,822	\$145	\$0	\$4,967
5.3.2 Survey Control Plan		2				4									6	\$1,264	\$38	\$0	\$1,302
5.3.3 Right-of-Way Plans		4				12									16	\$3,252	\$98	\$0	\$3,350
5.3.4 Roadway Plans		12				16									28	\$6,136	\$184	\$0	\$6,320
5.3.5 Traffic Plans		4				8									12	\$2,528	\$76	\$0	\$2,604
5.3.6 Utility Plans		8				16									24	\$5,056	\$152	\$0	\$5,208
5.3.7 Landscaping & Irrigation Plans		2				8									10	\$1,988	\$60	\$0	\$2,048
5.3.8 Drainage Plans		8				8									16	\$3,608	\$108	\$0	\$3,716
5.3.9 Bridge Plans		40	16			120	80	200	200	400	120				1176	\$171,840	\$5,155	\$0	\$176,995
5.3.10 Retaining Wall Plans		16				40	40	80	80	120	120				496	\$71,560	\$2,147	\$0	\$73,707
5.3.11 Log of Test Borings		2				8									10	\$1,988	\$60	\$0	\$2,048
5.4 Specifications		48	16	120		40	24						80		328	\$61,416	\$1,842	\$0	\$63,258
5.5 Cost Estimates	4	20	8	20		16			8	80					156	\$26,868	\$806	\$0	\$27,674
5.6 Construction Schedule		4	2	8		24							40		78	\$11,524	\$346	\$0	\$11,870
Task 5 - 100% PS&E																			
5.2 Calculations																			
5.2.1 Civil/Survey Calculations															0	\$0	\$0	\$0	\$0

S.O.W. Phase / Task	S. Biggs Principal-in- Charge Principal III	M. Thomas Project Manager Principal II	D. Devlin QA Manager Principal II	D. De Vera QC Manager Associate	R. Ketring BNSF Coord. Railroad Coordinator	E. Pheifer Struct. Mgr. Engineering Manager	Senior Engineer	Project Engineer	Staff Engineer	Assistant Engineer	Senior Computer Drafter	Project Admin.	Project Coordinator	Secretarial	Total Hours	Labor Subtotal	Escalation**	Expenses	Task Totals
	\$305.00	\$270.00	\$270.00	\$210.00	\$263.00	\$181.00	\$164.00	\$147.00	\$134.00	\$124.00	\$134.00	\$147.00	\$122.00	\$97.00					
5.2.2 Structural Calculations		4	16			80	80	80	120	120					500	\$75,720	\$2,272	\$0	\$77,992
5.3 Plan Preparation																			
5.3.1 General Plans		2	1	2		8					8				21	\$3,750	\$113	\$0	\$3,863
5.3.2 Survey Control Plan		2				4									6	\$1,264	\$38	\$0	\$1,302
5.3.3 Right-of-Way Plans		4				8									12	\$2,528	\$76	\$0	\$2,604
5.3.4 Roadway Plans		8				12									20	\$4,332	\$130	\$0	\$4,462
5.3.5 Traffic Plans		4				6									10	\$2,166	\$65	\$0	\$2,231
5.3.6 Utility Plans		6				12									18	\$3,792	\$114	\$0	\$3,906
5.3.7 Landscaping & Irrigation Plans		2				4									6	\$1,264	\$38	\$0	\$1,302
5.3.8 Drainage Plans		6				6									12	\$2,706	\$81	\$0	\$2,787
5.3.9 Bridge Plans		16	16			40	40	120	120	160	80				592	\$86,720	\$2,602	\$0	\$89,322
5.3.10 Retaining Wall Plans		12	12	24		20	24	24	40	60	40				256	\$40,764	\$1,223	\$0	\$41,987
5.3.11 Log of Test Borings		2				4									6	\$1,264	\$38	\$0	\$1,302
5.4 Specifications		24	8	60		32	16						60	200	\$35,476	\$1,064	\$0	\$36,540	
5.5 Cost Estimates		16	4	8		16			8	40				92	\$16,008	\$480	\$0	\$16,488	
5.6 Construction Schedule		4	2	8		24							24	62	\$9,972	\$299	\$0	\$10,271	
Task 5 - Issued for Bid (IFB)																			
5.3 Plan Preparation																			
5.3.1 General Plans						4					8				12	\$1,796	\$54	\$0	\$1,850
5.3.2 Survey Control Plan						4									4	\$724	\$22	\$0	\$746
5.3.3 Right-of-Way Plans						8									8	\$1,448	\$43	\$0	\$1,491
5.3.4 Roadway Plans		4				8									12	\$2,528	\$76	\$0	\$2,604
5.3.5 Traffic Plans															0	\$0	\$0	\$0	\$0
5.3.6 Utility Plans		6				8									14	\$3,068	\$92	\$0	\$3,160
5.3.7 Landscaping & Irrigation Plans						4									4	\$724	\$22	\$0	\$746
5.3.8 Drainage Plans						4									4	\$724	\$22	\$0	\$746
5.3.9 Bridge Plans		8	4			40	40	80	80	120	60				432	\$62,440	\$1,873	\$0	\$64,313
5.3.10 Retaining Wall Plans		8	8	12		20	24	24	32	48	32				208	\$32,452	\$974	\$0	\$33,426
5.3.11 Log of Test Borings															0	\$0	\$0	\$0	\$0
5.4 Specifications		20	4	8		16			8	24					80	\$15,104	\$453	\$0	\$15,557
5.5 Cost Estimates		4	2	8		24							16	54	\$9,196	\$276	\$0	\$9,472	
Task 6 - Right-of-Way																			
6.1 Right-of-Way Requirements		4				40									44	\$8,320	\$250	\$0	\$8,570
6.2 Right-of-Way Maps		8				80					120				208	\$32,720	\$982	\$0	\$33,702
6.3 Appraisal Maps, Plats, and Descriptions		16	40			80	80			240	120				576	\$88,560	\$2,657	\$0	\$91,217
Task 7 - Coordination, Agreements & Permits																			
7.1 BNSF Railway																			
7.1.1 Construction & Maintenance Agreement	8	40			160	80		40							328	\$75,680	\$2,270	\$3,075	\$81,025
7.1.2 Submittals		60				80		80		120	80		8		428	\$68,816	\$2,064	\$0	\$70,880
7.2 California Public Utilities Commission		8				40		40		60					148	\$22,720	\$682	\$0	\$23,402
7.3 Caltrans District 8		80				120	60		80				40		380	\$68,760	\$2,063	\$0	\$70,823
7.4 Riverside County Flood Control & WCD		40				16									56	\$13,696	\$411	\$0	\$14,107
7.5 Utility Coordination		80				80	120				80				360	\$66,480	\$1,994	\$0	\$68,474
7.6 Community Engagement***		20				100		120		240	120				600	\$86,980	\$2,609	\$12,000	\$101,589
Task 8 - Bidding Services																			
8.1 Resident Engineer (RE) Pending File		8	4	8		40	60			80					200	\$31,920	\$958	\$0	\$32,878
8.2 Bidding Phase Support		8				60									68	\$13,020	\$391	\$0	\$13,411
8.3 Conformed Plans and Specifications		4	4	8		40	60		80		80				276	\$42,360	\$1,271	\$0	\$43,631
Design (Tasks 1 - 8) Totals	66	2,014	499	758	216	3,962	2,176	2,088	3,164	4,996	2,004	120	500	733	23,296	\$3,757,307	\$112,719	\$15,075	\$3,885,101

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	\$305.00	\$270.00	\$270.00	\$210.00	\$263.00	\$181.00	\$164.00	\$147.00	\$134.00	\$124.00	\$134.00	\$147.00	\$122.00	\$97.00						
Task 9 - Engineering Construction Services																				
9.1	Engineering Support (RFIs, Shop Drawings...)		120			24	600		600		600	80		200		2224	\$345,032	\$26,463	\$0	\$371,495
9.2	Preparation of Record Documents (As-Builts)		16	8	16		80	120			120				360	\$60,080	\$4,608	\$0	\$64,688	
Const. Support (Task 9) Totals		0	136	8	16	24	680	120	600	0	600	200	0	200	0	2,584	\$405,112	\$31,070	\$0	\$436,182

Task 10 - Optional Services																			
10.1	Construction Staking														0	\$0	\$0	\$0	\$0
10.2	Right-of-Way Staking for Partial Acquisitions														0	\$0	\$0	\$0	\$0
10.3	Project Closeout Items														0	\$0	\$0	\$0	\$0
Optional Services (Task 10) Totals		0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0

Expenses Breakdown*		
	BNSF Temporary Occupancy Permit	\$2,500
	BNSF Railroad Protective Liability Insurance	\$575
	Modelo 3D Interactive Cloud-Based Model (2 Years)	\$12,000
	Expense Subtotal	\$15,075

Notes:
 * Costs for printing, mileage, telephone, mailing and other expenses incidental to the performance of the main items of the Engineering Services to be rendered are included in the hourly rates.
 ** Escalation is based on 3.0%/year (latest table 5 of Bureau of Labor Statistics). Design (Tasks 1 - 8) are escalated to the mid-point of design (1 year). Const. Support (Task 9) is escalated to the mid-point of the contract (2.5 years).
 *** The initial 3D interactive model was developed pre-contractual at no cost to the City. This fee includes updates/refinements to the initial model.

McKinley Street Grade Separation

Fee Proposal | Kimley-Horn

S.O.W. Phase / Task	Project Manager	Sr. Tech. Advisor	Senior Professional II	Senior Professional I	Professional II	Professional I	Senior Analyst	Analyst	Senior Designer	Designer	Project Support	Clerical			Total Hours	Labor Subtotal	Escalation**	Expenses	Task Totals
	\$310.00	\$351.00	\$265.00	\$225.00	\$210.00	\$145.00	\$130.00	\$115.00	\$150.00	\$125.00	\$180.00	\$88.00							
Task 1 - Project Administration																			\$202,973
1.1 Project Management Plan	8			4	4										16	\$4,220	\$127	\$0	\$4,347
1.2 Quality Control Plan	4		4	8	8	16	8	8							56	\$10,060	\$302	\$0	\$10,362
1.3 Project Controls	50	2	100	25	75						50	100			402	\$81,877	\$2,456	\$0	\$84,333
1.4 Project Development Team Meetings	100	4		100	150	100									454	\$100,904	\$3,027	\$0	\$103,931
Task 2 - Data Collection																			\$448,023
2.1 Aerial Mapping	2		2		8	8									20	\$3,990	\$120	\$0	\$4,110
2.2 Field Survey	2		4		18	24									48	\$8,940	\$268	\$0	\$9,208
2.3 Potholing	6		6	6	80		50								148	\$28,100	\$843	\$230,000	\$258,943
2.4 Right-of-Way Base Mapping	2		2		8	8									20	\$3,990	\$120	\$0	\$4,110
2.5 Utility Notification	6				20		40	60							126	\$18,160	\$545	\$0	\$18,705
2.6 Utility Base Mapping	4		6	4	30		90					12			146	\$22,786	\$684	\$0	\$23,470
2.7 Geotechnical Records Research & Findings															0	\$0	\$0	\$0	\$0
2.8 Traffic Analyses	Task performed pre-contractual by Kimley-Horn. No cost to the City.														0	\$0	\$0	\$0	\$0
2.8.1 Preliminary Traffic Analyses	Task performed pre-contractual by Kimley-Horn. No cost to the City.														0	\$0	\$0	\$0	\$0
2.8.2 Update Traffic Analyses	10		6	80		100		120				12			328	\$52,046	\$1,561	\$5,000	\$58,607
2.9 Caltrans Traffic Reports																			
2.9.1 Intersection Control Evaluation	6			20		40		40				4			110	\$17,112	\$513	\$0	\$17,625
2.9.2 Traffic Forecasting Volumes Report	6			20		20		30				4			80	\$13,062	\$392	\$0	\$13,454
2.9.3 Ramp Meter and Merge Analysis	4			20		40		20							84	\$13,840	\$415	\$0	\$14,255
2.9.4 Roundabout Analysis	4		40	20		40		20				4			128	\$24,792	\$744	\$0	\$25,536
Task 3 - Concept Development & Project Approval																			\$42,938
3.1 Geometric Concepts	Task performed pre-contractual by Kimley-Horn. No cost to the City.														0	\$0	\$0	\$0	\$0
3.2 Bridge and Retaining Wall Concepts															0	\$0	\$0	\$0	\$0
3.3 Project Concept Report																			
3.3.1 Plan and Profile Exhibits	4	2	8	6	20	20									60	\$12,512	\$375	\$0	\$12,887
3.3.2 Right-of-Way Exhibits															0	\$0	\$0	\$0	\$0
3.3.3 Utility Exhibits	2		4		12										18	\$4,200	\$126	\$0	\$4,326
3.3.4 Structure Exhibits															0	\$0	\$0	\$0	\$0
3.3.5 Preliminary Geotechnical Report															0	\$0	\$0	\$0	\$0
3.3.6 Preliminary Traffic Analysis Report															0	\$0	\$0	\$0	\$0
3.3.7 Construction Cost Estimates	2				8										10	\$2,300	\$69	\$0	\$2,369
3.3.8 Right-of-Way Cost Estimates															0	\$0	\$0	\$0	\$0
3.3.9 Project Concept Report															0	\$0	\$0	\$0	\$0
3.4 Project Concept Approval	20		6	3	10	20									59	\$13,465	\$404	\$0	\$13,869
3.5 Design Basis Memorandum	4		6	8	8	20									46	\$9,210	\$276	\$0	\$9,486
Task 4 - Environmental Documentation																			\$10,632
4.1 CEQA Statutory Exemption															0	\$0	\$0	\$0	\$0
4.2 Technical Studies	8	2	4	8	8		20								50	\$10,322	\$310	\$0	\$10,632
Task 5 - Plans, Specifications & Estimates (PS&E)																			\$2,408,209
5.1 Reports																			
5.1.1 Water Quality Management Plan	4			8	50		100					12			174	\$27,596	\$828	\$0	\$28,424
5.1.2 Hydrology & Hydraulics Reports	8			12	100		200					14			334	\$53,412	\$1,602	\$0	\$55,014
5.1.3 Traffic Management Plan	8			52	12	85		150				12			319	\$47,331	\$1,420	\$0	\$48,751
5.1.4 Geotechnical Investigations & Report															0	\$0	\$0	\$0	\$0
5.1.5 Landscaping & Aesthetic Concepts	8				20	40									68	\$12,480	\$374	\$0	\$12,854
5.1.6 Structure Type Selection Report															0	\$0	\$0	\$0	\$0
Task 5 - 35% PS&E																			
5.2 Calculations																			
5.2.1 Civil/Survey Calculations															0	\$0	\$0	\$0	\$0
5.2.2 Structural Calculations															0	\$0	\$0	\$0	\$0

McKinley Street Grade Separation

Fee Proposal | Kimley-Horn

S.O.W. Phase / Task	Project Manager	Sr. Tech. Advisor	Senior Professional II	Senior Professional I	Professional II	Professional I	Senior Analyst	Analyst	Senior Designer	Designer	Project Support	Clerical			Total Hours	Labor Subtotal	Escalation**	Expenses	Task Totals
	\$310.00	\$351.00	\$265.00	\$225.00	\$210.00	\$145.00	\$130.00	\$115.00	\$150.00	\$125.00	\$180.00	\$88.00							
5.3 Plan Preparation																			
5.3.1 General Plans			4					8							12	\$1,980	\$59	\$0	\$2,039
5.3.4 Roadway Plans	40		100		100	180		160	120	100					800	\$134,900	\$4,047	\$0	\$138,947
5.3.5 Traffic Plans	20			80		120		180		100					500	\$74,800	\$2,244	\$0	\$77,044
5.3.6 Utility Plans	30				150		220			50					450	\$75,650	\$2,270	\$0	\$77,920
5.3.8 Drainage Plans	30			20	80	100	170								400	\$67,200	\$2,016	\$0	\$69,216
5.3.9 Bridge Plans	2		4	4	8										18	\$4,260	\$128	\$0	\$4,388
5.3.10 Retaining Wall Plans	2		4	4	8										18	\$4,260	\$128	\$0	\$4,388
5.5 Cost Estimates	8		10	10	25	20	60	80	10			8			231	\$34,734	\$1,042	\$0	\$35,776
Task 5 - 65% PS&E																			
5.2 Calculations																			
5.2.1 Civil/Survey Calculations	1		6					60		20					87	\$11,300	\$339	\$0	\$11,639
5.2.2 Structural Calculations															0	\$0	\$0	\$0	\$0
5.3 Plan Preparation																			
5.3.1 General Plans															0	\$0	\$0	\$0	\$0
5.3.2 Survey Control Plan															0	\$0	\$0	\$0	\$0
5.3.3 Right-of-Way Plans															0	\$0	\$0	\$0	\$0
5.3.4 Roadway Plans	60		120		160	300	100	220	120	120					1200	\$198,800	\$5,964	\$0	\$204,764
5.3.5 Traffic Plans	40			140		180		220		120					700	\$110,300	\$3,309	\$0	\$113,609
5.3.6 Utility Plans	50				180		300			70					600	\$101,050	\$3,032	\$0	\$104,082
5.3.7 Landscaping & Irrigation Plans	10				80	90		120							300	\$46,750	\$1,403	\$0	\$48,153
5.3.8 Drainage Plans	50			40	160	150	200								600	\$105,850	\$3,176	\$0	\$109,026
5.3.9 Bridge Plans	4		8	8	16										36	\$8,520	\$256	\$0	\$8,776
5.3.10 Retaining Wall Plans	4		8	8	16										36	\$8,520	\$256	\$0	\$8,776
5.3.11 Log of Test Borings															0	\$0	\$0	\$0	\$0
5.4 Specifications	20	4	40	40	100							10			214	\$49,084	\$1,473	\$0	\$50,557
5.5 Cost Estimates	8		10	10	25	20	60	80	10			8			231	\$34,734	\$1,042	\$0	\$35,776
5.6 Construction Schedule															0	\$0	\$0	\$0	\$0
Task 5 - 95% PS&E																			
5.2 Calculations																			
5.2.1 Civil/Survey Calculations	1		2					30		10					43	\$5,540	\$166	\$0	\$5,706
5.2.2 Structural Calculations															0	\$0	\$0	\$0	\$0
5.2.3 Independent Check															0	\$0	\$0	\$0	\$0
5.3 Plan Preparation																			
5.3.1 General Plans															0	\$0	\$0	\$0	\$0
5.3.2 Survey Control Plan															0	\$0	\$0	\$0	\$0
5.3.3 Right-of-Way Plans															0	\$0	\$0	\$0	\$0
5.3.4 Roadway Plans	60		120		160	300	100	220	120	120					1200	\$198,800	\$5,964	\$0	\$204,764
5.3.5 Traffic Plans	40			120		140		200		100					600	\$95,200	\$2,856	\$0	\$98,056
5.3.6 Utility Plans	40		20		150		240			50					500	\$86,650	\$2,600	\$0	\$89,250
5.3.7 Landscaping & Irrigation Plans	10				80	110		200							400	\$58,850	\$1,766	\$0	\$60,616
5.3.8 Drainage Plans	20		10	30	80	120	180								440	\$73,200	\$2,196	\$0	\$75,396
5.3.9 Bridge Plans	4		8	8	16										36	\$8,520	\$256	\$0	\$8,776
5.3.10 Retaining Wall Plans	4		8	8	16										36	\$8,520	\$256	\$0	\$8,776
5.3.11 Log of Test Borings															0	\$0	\$0	\$0	\$0
5.4 Specifications	20	4	40	40	100							10			214	\$49,084	\$1,473	\$0	\$50,557
5.5 Cost Estimates	8		10	10	25	20	60	80	10			8			231	\$34,734	\$1,042	\$0	\$35,776
5.6 Construction Schedule															0	\$0	\$0	\$0	\$0
Task 5 - 100% PS&E																			
5.2 Calculations																			
5.2.1 Civil/Survey Calculations															0	\$0	\$0	\$0	\$0

McKinley Street Grade Separation

Fee Proposal | Kimley-Horn

S.O.W. Phase / Task	Project Manager	Sr. Tech. Advisor	Senior Professional II	Senior Professional I	Professional II	Professional I	Senior Analyst	Analyst	Senior Designer	Designer	Project Support	Clerical			Total Hours	Labor Subtotal	Escalation**	Expenses	Task Totals
	\$310.00	\$351.00	\$265.00	\$225.00	\$210.00	\$145.00	\$130.00	\$115.00	\$150.00	\$125.00	\$180.00	\$88.00							
5.2.2 Structural Calculations															0	\$0	\$0	\$0	\$0
5.3 Plan Preparation																			
5.3.1 General Plans															0	\$0	\$0	\$0	\$0
5.3.2 Survey Control Plan															0	\$0	\$0	\$0	\$0
5.3.3 Right-of-Way Plans															0	\$0	\$0	\$0	\$0
5.3.4 Roadway Plans	40		80		60	200	40	160	40	80					700	\$114,800	\$3,444	\$0	\$118,244
5.3.5 Traffic Plans	20			50		60		100		70					300	\$46,400	\$1,392	\$0	\$47,792
5.3.6 Utility Plans	20		10		120		200			50					400	\$66,300	\$1,989	\$0	\$68,289
5.3.7 Landscaping & Irrigation Plans	20				80	80		120							300	\$48,400	\$1,452	\$0	\$49,852
5.3.8 Drainage Plans	20			20	60	80	120								300	\$50,500	\$1,515	\$0	\$52,015
5.3.9 Bridge Plans	2		4	4	8										18	\$4,260	\$128	\$0	\$4,388
5.3.10 Retaining Wall Plans	2		4	4	8										18	\$4,260	\$128	\$0	\$4,388
5.3.11 Log of Test Borings															0	\$0	\$0	\$0	\$0
5.4 Specifications	10	2	20	20	50							6			108	\$24,630	\$739	\$0	\$25,369
5.5 Cost Estimates	4		5	5	12	10	30	40	5			4			115	\$17,262	\$518	\$0	\$17,780
5.6 Construction Schedule															0	\$0	\$0	\$0	\$0
Task 5 - Issued for Bid (IFB)																			
5.3 Plan Preparation																			
5.3.1 General Plans															0	\$0	\$0	\$0	\$0
5.3.2 Survey Control Plan															0	\$0	\$0	\$0	\$0
5.3.3 Right-of-Way Plans															0	\$0	\$0	\$0	\$0
5.3.4 Roadway Plans	20		40		30	100	20	60		30					300	\$50,850	\$1,526	\$0	\$52,376
5.3.5 Traffic Plans	5			15		20		40		20					100	\$14,925	\$448	\$0	\$15,373
5.3.6 Utility Plans	10				20		30								60	\$11,200	\$336	\$0	\$11,536
5.3.7 Landscaping & Irrigation Plans	6				20	40		34							100	\$15,770	\$473	\$0	\$16,243
5.3.8 Drainage Plans	8			6	20	10	30								74	\$13,380	\$401	\$0	\$13,781
5.3.9 Bridge Plans	1		2	2	4										9	\$2,130	\$64	\$0	\$2,194
5.3.10 Retaining Wall Plans	1		2	2	4										9	\$2,130	\$64	\$0	\$2,194
5.3.11 Log of Test Borings															0	\$0	\$0	\$0	\$0
5.4 Specifications	4		10	10	20										44	\$10,340	\$310	\$0	\$10,650
5.5 Cost Estimates	2		2	2	6	5	12	20	2			2			53	\$7,921	\$238	\$0	\$8,159
Task 6 - Right-of-Way																			
6.1 Right-of-Way Requirements	28		46		100		220								394	\$70,470	\$2,114	\$0	\$72,584
6.2 Right-of-Way Maps															0	\$0	\$0	\$0	\$0
6.3 Appraisal Maps, Plats, and Descriptions															0	\$0	\$0	\$0	\$0
Task 7 - Coordination, Agreements & Permits																			
7.1 BNSF Railway																			
7.1.1 Construction & Maintenance Agreement															0	\$0	\$0	\$0	\$0
7.1.2 Submittals															0	\$0	\$0	\$0	\$0
7.2 California Public Utilities Commission															0	\$0	\$0	\$0	\$0
7.3 Caltrans District 8	188	6	60	10	123	246		60				28			721	\$149,400	\$4,482	\$0	\$153,882
7.4 Riverside County Flood Control & WCD	20				60										80	\$18,800	\$564	\$0	\$19,364
7.5 Utility Coordination	40				400		80					40			560	\$110,320	\$3,310	\$0	\$113,630
7.6 Community Engagement															0	\$0	\$0	\$0	\$0
Task 8 - Bidding Services																			
8.1 Resident Engineer (RE) Pending File	8		20	10	20	20	40								118	\$22,330	\$670	\$0	\$23,000
8.2 Bidding Phase Support	20	2		24	68		50								164	\$33,082	\$992	\$0	\$34,074
8.3 Conformed Plans and Specifications	8		20	10	20	20	40	40		40					198	\$31,930	\$958	\$0	\$32,888
Design (Tasks 1 - 8) Totals	1,375	28	1,055	1,178	3,697	3,322	3,110	2,980	437	1,150	50	298	0	0	18,680	\$3,230,287	\$96,909	\$235,000	\$3,562,196

McKinley Street Grade Separation

Fee Proposal | Kimley-Horn

S.O.W. Phase / Task	Project Manager	Sr. Tech. Advisor	Senior Professional II	Senior Professional I	Professional II	Professional I	Senior Analyst	Analyst	Senior Designer	Designer	Project Support	Clerical			Total Hours	Labor Subtotal	Escalation**	Expenses	Task Totals
	\$310.00	\$351.00	\$265.00	\$225.00	\$210.00	\$145.00	\$130.00	\$115.00	\$150.00	\$125.00	\$180.00	\$88.00							
Task 9 - Engineering Construction Services																			
9.1	Engineering Support (RFIs, Shop Drawings...)	78	8	158	186	226	260	40			50	100			1106	\$218,868	\$16,786	\$0	\$235,654
9.2	Preparation of Record Documents (As-Builts)	20		20	10	20	40	40		10					200	\$34,800	\$2,669	\$0	\$37,469
Const. Support (Task 9) Totals		98	8	178	196	246	300	80	40	0	10	100	0	0	1,306	\$253,668	\$19,455	\$0	\$273,123

Task 10 - Optional Services																			
10.1	Construction Staking														0	\$0	\$0	\$0	\$0
10.2	Right-of-Way Staking for Partial Acquisitions														0	\$0	\$0	\$0	\$0
10.3	Project Closeout Items														0	\$0	\$0	\$0	\$0
Optional Services (Task 10) Totals		0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0

Expenses Breakdown*			
	Potholing	\$230,000	
	Traffic Counts	\$5,000	
	Expense Subtotal	\$235,000	

Notes:

* Costs for printing, mileage, telephone, mailing and other expenses incidental to the performance of the main items of the Engineering Services to be rendered are included in the hourly rates.

** Escalation is based on 3.0%/year (latest table 5 of Bureau of Labor Statistics). Design (Tasks 1 - 8) are escalated to the mid-point of design (1 year). Const. Support (Task 9) is escalated to the mid-point of the contract (2.5 years).

1. Quantities within task descriptions above indicate portion of work within prime agreement for Kimley-Horn and is the basis for our agreed upon fees.

2. Kimley-Horn will not exceed the total maximum fee shown without authorization from the City. Individual task amounts are provided for budgeting purposes only. Kimley-Horn reserves the right to reallocate amounts among tasks as necessary.

S.O.W. Phase / Task	Lwin Hwee PM	Jim Ellerbroek Rail Principal Engineer	Guido Portier Task Lead	Amanda Limburg Senior Rail Engineer	Joel Tubbs Sr Br Engr	Greg Griffin Sr Br Engr	Jiri Pertold Sr Br Engr	Rachel Bassil Br Des Engr	Dylan Anderson Junior Rail Engineer	Angie Jones Proj Ad						Total Hours	Labor Subtotal	Escalation**	Expenses	Task Totals
	\$282.06	\$279.86	\$193.25	\$155.00	\$198.07	\$190.63	\$194.35	\$117.49	\$103.35	\$94.55										
Task 1 - Project Administration																				\$24,936
1.1 Project Management Plan	12		4													16	\$4,158	\$125	\$0	\$4,282
1.2 Quality Control Plan			8	8	8	8	8	8								48	\$8,390	\$252	\$5,000	\$13,642
1.3 Project Controls										72						72	\$6,808	\$204	\$0	\$7,012
Task 3 - Concept Development & Project Approval																				\$17,169
3.3 Project Concept Report																				
3.3.4 Structure Exhibits	2		31		31											64	\$12,695	\$381	\$0	\$13,076
3.5 Design Basis Memorandum	1		7		7	5										20	\$3,974	\$119	\$0	\$4,094
Task 5 - Plans, Specifications & Estimates (PS&E)																				\$328,811
5.1 Reports																				
5.1.6 Structure Type Selection Report	4		30		30	20										84	\$16,680	\$500	\$0	\$17,181
Task 5 - 95% PS&E																				
5.2 Calculations																				
5.2.3 Independent Check			40		160	300	300	200								1000	\$178,409	\$5,352	\$0	\$183,761
5.3 Plan Preparation																				
5.3.9 Bridge Plans			72		102	90	26	26								316	\$59,381	\$1,781	\$0	\$61,162
5.4 Specifications			8		8	36	36									88	\$16,989	\$510	\$0	\$17,499
Task 5 - 100% PS&E																				
5.3 Plan Preparation																				
5.3.9 Bridge Plans			20		40	40	16	16								132	\$24,402	\$732	\$0	\$25,134
5.4 Specifications			8		8	16	16									48	\$9,290	\$279	\$0	\$9,569
Task 5 - Issued for Bid (IFB)																				
5.3 Plan Preparation																				
5.3.9 Bridge Plans			8		8	20	8	8								52	\$9,438	\$283	\$0	\$9,721
5.4 Specifications			4		4	8	8									24	\$4,645	\$139	\$0	\$4,784
Task 7 - Coordination, Agreements & Permits																				\$18,218
7.1 BNSF Railway																				
7.1.1 Construction & Maintenance Agreement		1	20	10	20				30							81	\$12,757	\$383	\$0	\$13,139
7.1.2 Submittals		1		10					30							41	\$4,930	\$148	\$0	\$5,078
Design (Tasks 1 - 8) Totals	19	2	260	28	426	543	418	258	60	72	0	0	0	0	2,086	\$372,946	\$11,188	\$5,000	\$389,134	
Task 9 - Engineering Construction Services																				
9.1 Engineering Support (RFIs, Shop Drawings...)			50		50	100										200	\$38,628	\$1,159	\$0	\$39,787
Const. Support (Task 9) Totals	0	0	50	0	50	100	0	0	0	0	0	0	0	0	0	200	\$38,628	\$1,159	\$0	\$39,787
Task 10 - Optional Services																				
Optional Services (Task 10) Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
Expenses Breakdown*	Travel (2 people, 1 nights each, 2 trips each)																			\$5,000
	Expense Subtotal																			\$5,000

Notes:
 * Costs for printing, mileage, telephone, mailing and other expenses incidental to the performance of the main items of the Engineering Services to be rendered are included in the hourly rates.
 * Escalation is based on 3.0%/year (latest table 5 of Bureau of Labor Statistics). Design (Tasks 1 - 8) are escalated to the mid-point of design (1 year). Const. Support (Task 9) is escalated to the mid-point of the contract (2.5 years).

McKinley Street Grade Separation

Fee Proposal | ICF

S.O.W. Phase / Task	Calvert B Proj Dir	Yasui Y Sr Consult III	Hardie J Sr Consult III	Higginson J Sr Consult III	Moskus E Assoc Consult III	Buehler D Proj Dir	Swiontek S Sr Consult I	Irvin E Assoc Consult I	Cooper K Sr Tech Analyst	Whisman R Sr Consult II	Souliotes D Admin Tech	Rocha L Mng Consult	Tong V Assoc Consult I	Hoisington G Mng Consult	Richards P Sr Consult II	Flores M Sr Consult I	Hickman Jam Sr Consult II	Schwartz Pau Sr Consult II	Jameson Meg Mng Consult	Gasca Ste Sr Consult II	Crawford K Proj Dir	Chmiel K Sr Consult I
Task 1 - Project Administration	\$289.32	\$181.45	\$179.65	\$177.08	\$97.91	\$264.94	\$109.34	\$137.30	\$210.91	\$134.49	\$63.59	\$177.69	\$114.16	\$185.24	\$153.13	\$121.68	\$148.63	\$145.39	\$173.42	\$178.95	\$205.04	\$112.70
1.3 Project Controls	36	96																				
1.4 Project Development Team Meetings	84																					
Task 4 - Environmental Documentation																						
4.1 CEQA Statutory Exemption	1	3																				
4.2 Technical Studies	50	166	213	20	196	8	152	254	36	84	36	20	150	34		188					8	20
Design (Tasks 1 - 8) Totals	171	265	213	20	196	8	152	254	36	84	36	20	150	34	0	188	0	0	0	0	8	20
Task 9 - Engineering Construction Services																						
Const. Support (Task 9) Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 10 - Optional Services																						
Optional Services (Task 10) Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

McKinley Street Grade Separation

Fee Proposal | ICF

S.O.W. Phase / Task	Paul D Sr Consult II	Starzak R Sr Proj Dir	Roderick M Asst Consult	Belcourt A Sr Consult I	Shook J Admin Tech	Cox N Assoc Consult I	Hickman J Sr Consult II	Schwartz P Sr Consult II	Clendenin G Sr Tech Analyst	Barrera M Sr Consult II	Ban J Sr Consult II	Johnson A Sr Consult I	Trisal S Sr Tech Analyst	Total Hours	Labor Subtotal	Escalation	Expenses	Task Totals
Task 1 - Project Administration	\$155.27	\$310.53	\$92.29	\$144.88	\$96.62	\$81.90	\$148.63	\$145.39	\$220.51	\$128.74	\$164.04	\$92.62	\$206.76					\$53,298
1.3 Project Controls					12									144	\$28,995	\$0	\$0	\$28,995
1.4 Project Development Team Meetings														84	\$24,303	\$0	\$0	\$24,303
Task 4 - Environmental Documentation																		\$375,238
4.1 CEQA Statutory Exemption														4	\$834	\$0	\$0	\$834
4.2 Technical Studies	84	8	128	140		48	18	28	48	122	36	222	48	2565	\$355,104	\$0	\$19,300	\$374,404
Design (Tasks 1 - 8) Totals	84	8	128	140	12	48	18	28	48	122	36	222	48	2,797	\$409,236	\$0	\$19,300	\$428,536
Task 9 - Engineering Construction Services																		
Const. Support (Task 9) Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
Task 10 - Optional Services																		
Optional Services (Task 10) Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0

Expenses Breakdown*	EDR Search	\$500
	Cultural Records Search	\$800
	Subconsultant (San Diego Natural History Museum)	\$18,000
	Expense Subtotal	\$19,300

Notes:

* Costs for printing, mileage, telephone, mailing and other expenses incidental to the performance of the main items of the Engineering Services to be rendered are included in the hourly rates.

McKinley Street Grade Separation

Fee Proposal | Earth Mechanics

S.O.W. Phase / Task	Principal In Charge	Project Manager	Project Geologist	Senior Technician	Staff Engineer											Total Hours	Labor Subtotal	Escalation	Expenses	Task Totals
	\$250.68	\$129.82	\$125.34	\$117.88	\$93.26															
Task 1 - Project Administration																				\$4,118
1.1 Project Management Plan	4	8														12	\$2,041	\$0	\$0	\$2,041
1.2 Quality Control Plan		4														4	\$519	\$0	\$0	\$519
1.3 Project Controls		12														12	\$1,558	\$0	\$0	\$1,558
Task 2 - Data Collection																				\$4,083
2.7 Geotechnical Records Research & Findings	8	16														24	\$4,083	\$0	\$0	\$4,083
Task 3 - Concept Development & Project Approval																				\$10,171
3.3 Project Concept Report																				
3.3.5 Preliminary Geotechnical Report	16	32	16													64	\$10,171	\$0	\$0	\$10,171
Task 4 - Environmental Documentation																				\$30,195
4.2 Technical Studies	48	88	24		40											200	\$30,195	\$0	\$0	\$30,195
Task 5 - Plans, Specifications & Estimates (PS&E)																				\$459,606
5.1 Reports																				
5.1.4 Geotechnical Investigations & Report	534	632	276	440	120											2002	\$313,562	\$0	\$124,850	\$438,412
Task 5 - 65% PS&E																				
5.3 Plan Preparation																				
5.3.11 Log of Test Borings	22	30			60											112	\$15,005	\$0	\$0	\$15,005
5.4 Specifications	1	1														2	\$381	\$0	\$0	\$381
Task 5 - 95% PS&E																				
5.3 Plan Preparation																				
5.3.11 Log of Test Borings	2	4			8											14	\$1,767	\$0	\$0	\$1,767
5.4 Specifications	1	1														2	\$381	\$0	\$0	\$381
Task 5 - 100% PS&E																				
5.3 Plan Preparation																				
5.3.11 Log of Test Borings	2	4			8											14	\$1,767	\$0	\$0	\$1,767
5.4 Specifications	1	1														2	\$381	\$0	\$0	\$381
Task 5 - Issued for Bid (IFB)																				
5.3 Plan Preparation																				
5.3.11 Log of Test Borings	2	2			4											8	\$1,134	\$0	\$0	\$1,134
5.4 Specifications	1	1														2	\$381	\$0	\$0	\$381
Design (Tasks 1 - 8) Totals	642	836	316	440	240	0	0	0	0	0	0	0	0	0	0	2,474	\$383,323	\$0	\$124,850	\$508,173

Task 9 - Engineering Construction Services																				
9.1 Engineering Support (RFIs, Shop Drawings...)	8	24														32	\$5,121	\$0	\$0	\$5,121
Const. Support (Task 9) Totals	8	24	0	0	0	0	0	0	0	0	0	0	0	0	0	32	\$5,121	\$0	\$0	\$5,121

Task 10 - Optional Services																				
Optional Services (Task 10) Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0

Expenses Breakdown*		
	Mud Rotary Drill Rig Rental	\$37,290
	Hollow-Stem Auger Drill Rig Rental	\$30,800
	Caltrans Permit (Assumed)	\$1,000
	Soil Cuttings Contaminants Testing	\$1,260
	Soil Cuttings (Drums) Disposal	\$3,960
	Traffic Control	\$19,740
	Drill Rig Rental for Infiltration Testing	\$30,800
	Expense Subtotal	\$124,850

Notes:
 * Costs for printing, mileage, telephone, mailing and other expenses incidental to the performance of the main items of the Engineering Services to be rendered are included in the hourly rates.

McKinley Street Grade Separation

Fee Proposal | BKF Engineers

S.O.W. Phase / Task	Principal	Associate	Project Manager	Surveyor III	Surveyor II	Surveyor I	Field Party Chief	Field Chainman								Total Hours	Labor Subtotal	Escalation**	Expenses	Task Totals
	\$237.00	\$206.00	\$197.00	\$168.00	\$148.00	\$129.00	\$169.00	\$109.00												
Task 1 - Project Administration																				\$40,862
1.1 Project Management Plan																0	\$0	\$0	\$0	\$0
1.2 Quality Control Plan	8	4	16		8		8	8								52	\$9,280	\$0	\$0	\$9,280
1.3 Project Controls	2	16	80													98	\$19,530	\$0	\$0	\$19,530
1.4 Project Development Team Meetings	4	8	48													60	\$12,052	\$0	\$0	\$12,052
Task 2 - Data Collection																				\$326,530
2.1 Aerial Mapping	1	4	8	4	16		32	32								97	\$14,573	\$0	\$51,500	\$66,073
2.2 Field Survey	1	8	24	48	160	80	120	120								561	\$82,037	\$0	\$19,000	\$101,037
2.3 Potholing		4	8		8		24	24								68	\$10,256	\$0	\$0	\$10,256
2.4 Right-of-Way Base Mapping	8	8	120	296	276	140	48	48								944	\$149,164	\$0	\$0	\$149,164
Task 5 - Plans, Specifications & Estimates (PS&E)																				\$35,889
Task 5 - 95% PS&E																				
5.2 Calculations																				
5.2.1 Civil/Survey Calculations	1	2	16	24	24	8										75	\$12,417	\$0	\$0	\$12,417
5.3 Plan Preparation																				
5.3.2 Survey Control Plan	2	4	4	8	16	24										58	\$8,894	\$0	\$0	\$8,894
5.3.3 Right-of-Way Plans	2	4	8	16	40	24										94	\$14,578	\$0	\$0	\$14,578
Task 6 - Right-of-Way																				\$194,574
6.1 Right-of-Way Requirements	2	8	40	80												130	\$23,442	\$0	\$0	\$23,442
6.2 Right-of-Way Maps	4	4	60	120	80	64										332	\$53,848	\$0	\$0	\$53,848
6.3 Appraisal Maps, Plats, and Descriptions	4	16	80	280	200	160										740	\$117,284	\$0	\$0	\$117,284
Design (Tasks 1 - 8) Totals	39	90	512	876	828	500	232	232	0	0	0	0	0	0	0	3,309	\$527,355	\$0	\$70,500	\$597,855
Task 9 - Engineering Construction Services																				
Const. Support (Task 9) Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
Task 10 - Optional Services																				
10.1 Construction Staking	2	16	80	240	120	80	280	280								1098	\$165,770	\$26,403	\$0	\$192,173
10.2 Right-of-Way Staking for Partial Acquisitions	2	4	8	16	24		80	80								214	\$31,354	\$4,994	\$0	\$36,348
10.3 Project Closeout Items	16	32	80	120	64		56	56								424	\$71,344	\$11,363	\$0	\$82,707
Optional Services (Task 10) Totals	20	52	168	376	208	80	416	416	0	0	0	0	0	0	0	1,736	\$268,468	\$42,760	\$0	\$311,228

Expenses Breakdown*		
	Aerial Topographic Survey - ABC Mapping	\$40,000
	Aerial Mapping Miscellaneous Expenses	\$5,000
	Aerial Topographic Survey	\$6,500
	BNSF Flagmen (5 Days @ \$1,800/Day)	\$9,000
	Traffic Control (5 Days @ \$2,000/Day)	\$10,000
	Expense Subtotal	\$70,500

Notes:
 * Costs for printing, mileage, telephone, mailing and other expenses incidental to the performance of the main items of the Engineering Services to be rendered are included in the hourly rates.
 ** Escalation is based on 3.0%/year (latest table 5 of Bureau of Labor Statistics). Post-Construction Services (Task 10) are escalated to the end of construction (5 years).

McKinley Street Grade Separation

Fee Proposal | Arellano Associates

S.O.W. Phase / Task	Principal-in-Charge	Senior Project Coordinator	Project Coordinator	Graphic Designer	Assistant Project Coordinator	Assistant Project Coordinator										Total Hours	Labor Subtotal	Escalation	Expenses	Task Totals
	\$306.76	\$115.54	\$76.08	\$76.08	\$53.99	\$49.08														
Task 1 - Project Administration																				\$58,437
1.3 Project Controls	10	100	20			8										138	\$16,536	\$0	\$0	\$16,536
1.4 Project Development Team Meetings	20	183	96	42	40	40										421	\$41,901	\$0	\$0	\$41,901
Task 7 - Coordination, Agreements & Permits																				\$120,710
7.6 Community Engagement	8	292	224	50	320	440										1334	\$95,910	\$0	\$24,800	\$120,710
Design (Tasks 1 - 8) Totals	38	575	340	92	360	488	0	0	0	0	0	0	0	0	0	1,893	\$154,346	\$0	\$24,800	\$179,146

Task 9 - Engineering Construction Services																				
Const. Support (Task 9) Totals																				\$0

Task 10 - Optional Services																				
Optional Services (Task 10) Totals																				\$0

Expenses Breakdown*	Collateral Material/Exhibits	\$7,500
	Parcel Data	\$1,500
	Notice Distribution	\$10,000
	Facility Rental	\$2,000
	Supplies and Refreshments	\$800
	Translation/Interpretation (as needed)	\$3,000
	Expense Subtotal	\$24,800

Notes:
 * Costs for printing, mileage, telephone, mailing and other expenses incidental to the performance of the main items of the Engineering Services to be rendered are included in the hourly rates.