

**AMENDMENT NO. 7 TO
PROFESSIONAL SERVICES AGREEMENT
CIP 13-04 BRADLEY ROAD BRIDGE DESIGN**

This is Amendment No. 7 to that certain Professional Services Agreement ("Agreement") made on **September 2, 2015**, between the City of Menifee ("City") and NV5, INC ("Consultant") for **CIP 13-04 BRADLEY ROAD BRIDGE DESIGN SERVICES** as amended by that certain Amendment No. 1 to the Agreement entered into on **July 1, 2018** ("Amendment No. 1"), and that certain Amendment No.2 to the Agreement entered into on **November 6, 2019** ("Amendment No. 2"), and that certain Amendment No. 3 entered into on **September 2, 2020** ("Amendment No. 3"), and that certain Amendment No. 4 entered into on **June 16, 2021** ("Amendment No. 4"), and that certain Amendment No. 5 made and entered into on **September 15, 2021** ("Amendment No. 5"), and that certain Amendment No. 6 made and entered into on **May 4, 2022** ("Amendment No. 6"), which this Amendment No. 7 is made and entered on November 1, _____, **2023** to increase the compensation amount and augment the scope of work as indicated below:

1. Section 2, "Compensation" is amended to increase the maximum compensation by **ONE HUNDRED FIFTY THREE THOUSAND SIX HUNDRED EIGHTY THREE DOLLARS AND ZERO CENTS (\$153,683.00)**, and is amended to read as follows:

Section 2. COMPENSATION.

City hereby agrees to pay Consultant a sum not to exceed **ONE MILLION THREE HUNDRED EIGHTY THREE THOUSAND EIGHT HUNDRED NINETY TWO DOLLARS AND ZERO CENTS (\$1,383,892.00)** notwithstanding any contrary indications that may be contained in Consultant's proposal, for services to be performed and reimbursable costs incurred under this Agreement. In the event of a conflict between this Agreement and Exhibit A, regarding the amount of compensation, this Agreement shall prevail. City shall pay Consultant for services rendered pursuant to this Agreement at the time and in the manner set forth herein. The payments specified below shall be the only payments from City to Consultant for services rendered pursuant to this Agreement. Consultant shall submit all invoices to City in the manner specified herein. Except as specifically authorized in advance by City, Consultant shall not bill City for duplicate services performed by more than one person.

2. Exhibit A, "Scope of Services" is supplemented to include the supplement attached as Exhibit A hereto. The supplement to the "Scope of Services" is not intended to replace the original Exhibit A to the Agreement, but instead to augment and increase the scope of work listed in the original Exhibit A to the Agreement. The

initial paragraph of the original Exhibit A, "Scope of Services", to the Agreement is amended to read as follows:

SCOPE OF SERVICES

Consultant shall provide **CIP 13-04 BRADLEY ROAD BRIDGE DESIGN SERVICES**, in the amount not to exceed **ONE MILLION THREE HUNDRED EIGHTY THREE THOUSAND EIGHT HUNDRED NINETY TWO DOLLARS AND ZERO CENTS (\$1,383,892.00)** as further detailed in the following page(s).

3. All other terms and conditions of the Agreement remain in full force and effect.
4. This Amendment No. 7 may be executed in multiple counterparts, each of which shall be an original and all of which together shall constitute one agreement.

CITY OF MENIFEE

NV5, INC

Rebekah Kramer, Acting City Manager
Rebekah Kramer, Acting City Manager

Jeffrey Cooper, Senior Vice President
Jeffrey M. Cooper, Senior Vice President

Attest:

MaryJo O'Brien
MaryJo O'Brien, CAO/Secretary

Sarah A. Manwaring
Sarah A. Manwaring, City Clerk

Approved as to Form:

Jeffrey T. Melching, City Attorney
Jeffrey T. Melching, City Attorney

AMENDMENT NO. 7 TO
PROFESSIONAL SERVICES AGREEMENT
CIP 13-04 BRADLEY ROAD DESIGN SERVICES

EXHIBIT "A" SUPPLEMENT TO SCOPE OF SERVICES



September 25, 2023

Mr. Carlos E. Geronimo, PE, Principal Engineer
Capital Improvement Projects (CIP)
City of Menifee
29844 Haun Road
Menifee, CA 92586

Subject: Request for Amendment of NV5's Existing Agreement, CIP 13-04 Bradley Bridge Design Services, dated September 20, 2015, for Additional Environmental Services Requested by Caltrans, Location Hydraulic Study (LHS) and Summary Floodplain Encroachment Report (SFER) required for NEPA Approval, Preparation of Legal Descriptions and Plats for Temporary Construction Easements for Four Parcels, and Construction Support Services.

Dear Carlos,

NV5, Inc. (NV5) is respectfully requesting an amendment to our existing subject agreement with the City of Menifee (City), dated September 9, 2015, to provide services required by Caltrans for the preparation and approval of the NEPA documentation, and for additional services requested by the City as described below:

1. Additional environmental services requested by Caltrans on July 5, 2023, to support their review and approval of the Categorical Exemption under the National Environmental Policy Act (NEPA). This amendment will cover the preparation and submittal of a Wetlands Only Practicable Alternative finding letter report.
2. Per Caltrans requirements for projects with federal-aid funds, a Location Hydraulic Study (LHS) and Summary Floodplain Encroachment Report (SFER) forms must be prepared and submitted as part of the NEPA documentation prior to approval of NEPA.
3. Additional requested services for preparation of Legal Descriptions and Plats for Temporary Construction Easements (TCEs) on four properties adjacent to the proposed bridge project over Salt Creek on Bradley Road.
4. Prepare temporary traffic control and detour plans to accommodate traffic during demolition and construction of the proposed bridge. Traffic control and detour plans will include the temporary rerouting of Salt Creek Trail at Bradley Road to provide uninterrupted use to trail users.
5. Request for Bidding and Construction support services.
6. Environmental Compliance Oversight while SoCal Gas proceeds into construction of their gas line relocation.

SCOPE OF WORK, DELIVERABLES, SCHEDULE, AND FEE PROPOSAL:

The detailed scope of work, the corresponding deliverables, and fee proposal for each of the requested items are presented below:

1. ADDITIONAL ENVIRONMENTAL SERVICES:

SCOPE OF WORK:

Per Caltrans requirements, Dudek (NV5's Environmental subconsultant) will prepare and provide a standalone "Wetlands Only Practicable Alternative" finding letter report with the information described in items 1-4 in the requirements paragraph on the following page.

On Federally funded projects, effects to wetland/waters must be identified in the environmental document. Executive Order 11990, Protection of Wetlands (1977), calls for no net loss of wetlands and establishes a national policy to avoid adverse effects on wetlands wherever there is a practicable alternative. Alternatives



that avoid wetland/waters must be considered. If wetland/waters effects cannot be avoided, then all practicable measures to minimize harm must be included. If the preferred alternative is located in wetlands/waters, the final NEPA document needs to contain the finding required by Executive Order 11990. This finding will document compliance with the Executive Order 11990 requirements (23 CFR 771.125(a)(1)) and will be provided in a standalone "Wetlands Only Practicable Alternative" finding letter report with the following information:

1. A reference to Executive Order 11990.
2. An explanation as to why there are no practicable alternatives to the proposed action.
3. An explanation as to why the proposed action includes all practicable measures to minimize harm to wetland/waters; and
4. A concluding statement that: "Based upon the above considerations, it is determined that there is no practicable alternative to the proposed construction in wetland and that the proposed action includes all practicable measures to minimize harm to wetlands which may result from such use."

DELIVERABLES:

"Wetlands Only Practicable Alternative" finding letter report with all information as described in sections 1-4 above.

SCHEDULE:

Dudek will prepare the finding letter report in two weeks after receiving the notice to proceed.

PROPOSED FEE INCLUDING 10% MARK UP:

\$6,660.00

See Attachment "A" Task 1 for the Original Request from Dudek.

2. PREPARATION OF THE LOCATION HYDRAULIC STUDY (LHS) AND SUMMARY FLOOD PLAIN ENCROACHMENT REPORT (SFER):

NV5 understands that the Bradley Road Bridge over Salt Creek Project will now be undertaken with federal-aid funds. As a result, a Location Hydraulic Study (LHS) and Summary Floodplain Encroachment Report (SFER) forms are required as a part of the NEPA documentation. NV5 has already prepared a Final Drainage Study Report (FDSR) and a FEMA Conditional Letter of Map Revision (CLOMR) for this project. These reports cannot be directly used to satisfy Caltrans' LHS and SFER requirements, but they can be used to support the additional Caltrans documentation.

SCOPE OF WORK:

NV5 proposes developing the LHS and SFER package based on the FDSR and CLOMR submittals we prepared and submitted in the past. Our detailed scope of work is included below:

NV5 will review the hydraulic models and documents for FDSR and CLOMR submittal. NV5 will prepare the LHS report and LHS and SFER forms based on the information included in the previous FDSR and CLOMR. NV5 will prepare and assemble the LHS report for the City to submit to Caltrans. We will also submit the LHS and SFER forms to Dudek for inclusion into their NEPA documentation.

It is difficult to estimate the level of effort to respond to Caltrans comments on the LHS and SFER submittal and it is dependent on the Caltrans plan checker. Because of this uncertainty, we have assumed 28 hours of senior-level staff time to address Caltrans review comments. This work will be performed on a time and materials, not-to-exceed basis. These 28 hours also include time required to respond to potential City comments. If there are no comments from Caltrans and/or the City, these hours will not be billed to the City.

DELIVERABLES:

Page | 2



NV5 will prepare and assemble the LHS Report, including the LHS and Summary Floodplain Encroachment Report forms.

SCHEDULE:

We anticipate that it will take approximately four weeks after receipt of the City's notice to proceed to complete the LHS report and forms and submit to the City.

PROPOSED FEE:

NV5 proposes to complete the above-described work under the following two categories:

- | | |
|--|--------------------|
| 1. Prepare and assemble the LHS Report on a lump sum fixed fee of | \$16,685.00 |
| 2. Respond to Caltrans and City comments on a time and materials basis, not to exceed | \$6,580.00 |

See Attachment "B" for detailed fee summary.

ASSUMPTIONS AND EXCLUSIONS:

The fees and scope descriptions in this proposal are given with the following assumptions in mind:

- We will use the information from the previous FDSR and CLOMR submittal packages and associated hydraulic models to develop the LHS and SFER forms.
- Revisions to the previous hydraulic models are not anticipated, and therefore excluded.
- NV5's fee estimate is based upon the scope of work described above. Additional services that may be requested or required due to changes in the proposed project or other conditions beyond our control can be provided as a separate scope of work.
- All deliverables will be in digital format.

3. PREPARATION OF LEGAL DESCRIPTION AND PLATS FOR TEMPORARY CONSTRUCTION EASEMENTS:

NV5 understands that the City of Menifee needs four (4) Temporary Construction Easements (TCEs) on properties adjacent to the proposed bridge project for Bradley Road. The proposed TCEs are highlighted in green on the attached Exhibit "A"

SCOPE OF WORK:

1. Project Setup and Research
 - Setup project
 - Research existing mapping and record data for ownership of the four subject properties. This task includes up to two one-hour meetings with City and/or NV5 staff.
2. Legal Description and Plats
 - Draft legal descriptions and prepare plats for the TCEs over the four subject parcels. The legal descriptions and plats will be based on the existing NV5 mapping and the record data and ownership of the four subject parcels (County of Riverside Assessor Parcel Numbers 336-190-008, 336-280-001, 336-281-006 & 338-131-001)

DELIVERABLES:

.PDF versions of the plats and legals will be included in the easement documents.

SCHEDULE:

NV5 will prepare the plats and legals and deliver the .PDF files approximately two weeks after receiving a Notice to Proceed (NTP).

**PROPOSED FEE:**

The proposed fee for preparation of legal Description and plats is

\$9,660.00

See Attachment "C" for detailed fee summary.

4. PREPARE TEMPORARY TRAFFIC CONTROL AND DETOUR PLANS:

Pursuant to our discussions, traffic control and detour plans will be required to accommodate traffic throughout the closure of Bradley Road between Salt Creek trail and Rio Vista Drive due to the demolition of the existing Bradley Road and construction of the bridge. The Salt Creek Trail will be temporarily realigned to accommodate trail users during construction.

SCOPE OF WORK:

Prepare temporary traffic control plans and detour plans for the construction of the required roadway improvements (i.e. bridge construction).

Our plans will be prepared at 40 scale (1" = 40') using AutoCAD drafting software on 24" x 36" City Title Block. Our plans will include all existing and temporary striping, pavement markings, pavement legends, and striping removals, and temporary barricades. At the project limits, we will reference in existing striping. Our WZTCP plan set will consist of one stage for the road segment closure with detours for pedestrians, bicycles, and vehicles.

The traffic control plans will be prepared in accordance with the CA MUTCD, showing all lane closures, restrictions, tapers and other disruptions of normal traffic flow, including pedestrian and vehicular detours.

SCHEDULE:

We are ready to proceed on this project. We estimate that our traffic control and detour plans will be completed and submitted for 1st plan check review two (2) weeks after receipt of the written authorization to proceed.

PROPOSED FEE:

Prepare and submit final traffic control and detour plans.

\$12,200.00

See Attachment "E" for detailed fee summary.

5. REQUEST FOR PROVIDING BIDDING AND CONSTRUCTION SUPPORT SERVICES:**SCOPE OF WORK:**

NV5 will attend the pre-bid conference to assist the City with responses to questions from prospective contractors. (4 hours)

Throughout the Bid Period, NV5 will be available to:

- Respond to inquiries (up to 8 hours)
- Prepare addenda to the plans as necessary (16 hours)
- Provide clarifications (4 hours)

If requested by the City, NV5 can evaluate all contractors' bids to determine responsiveness, and rank all bids for selection by the City. (16 hours)

During construction, NV5 will provide design support services as follows:



- Attend the pre-construction conference (4 hours)
- Assist the Resident Engineer with the interpretation of the contract documents (6 hours)
- Produce the bridge "4-scale" drawing (10 hours)
- Attend up to four (4) construction progress meetings on-site (24 hours)
- Review and assess contractor's construction schedule (6 hours)
- Falsework Shop Drawings (at least 40 hours)
- Prestress Shop Drawings (at least 24 hours)
- CIDH Pile Shop Drawings (at least 12 hours)
- Railing Shop Drawings (at least 4 hours)
- Respond to Contractor's RFI's (45 hours - 15 RFI's at 3 hours each)
- Review and validate change order requests (10 hours)
- Review and authorize concrete mix designs and aggregate gradings (6 hours)
- Review and authorize excavation/shoring plans (8 hours)
- Review and authorize pile shop drawings and pile hammer analysis (16 hours)
- Prepare As-Built plans based on the Resident Engineer's and Contractor's marked-up set (40 Hours)
- Project Management and Coordination (58 hours)

SCHEDULE:

These services will begin at the pre-bid meeting and complete two (2) weeks after receiving the contractor's redlines and submittal of as-built plans.

FEE ESTIMATE

We propose to provide these services on a time and material basis for a NTE amount of **\$88,000.00**
Please see Attachment "D" for a detailed fee summary.

EXCLUSIONS

The following services are excluded from the scope:

- Construction Management, Inspections, and Materials Testing (NV5 can provide these services for an additional fee, if requested by the City)
- Environmental monitoring and mitigation services

6. ENVIRONMENTAL COMPLIANCE OVERSIGHT WHILE SOCAL GAS PROCEEDS INTO CONSTRUCTION OF THEIR GAS LINE RELOCATION.

SCOPE OF WORK:

Dudek's team of environmental compliance professionals will be available to assist the City during the pre-construction and construction phases of the project. Relying on their experience managing similar projects in California, Dudek's compliance staff will be available to assist the City with any questions, comments, etc. that could be presented by SoCal Gas (SCG) or their contractor during the pre-construction and construction phases of the project. Dudek will rely on their extensive experience implementing environmental construction compliance programs, as both a first-party consultant working directly for the contractor (i.e., field implementation) and third-party work providing oversight and guidance to the contractor.

As part of this task, Dudek environmental compliance staff will be available to attend the pre-bid and/or preconstruction meetings to help answer questions and/or strategize about environmental compliance implementation for the project. Dudek staff will also be available to conduct site visits, site meetings, etc. to facilitate review of portions of the project to help streamline the implementation process, and be available to review document submittals, regular reports, and any other environmental compliance documentation, as needed throughout the project lifecycle (e.g., Burrowing Owl Pre-construction Survey Reports, Pre-construction Nesting Bird Survey Reports, Worker Environmental Awareness Program (WEAP) training, etc.).



In addition, the Dudek team will be prepared to assist the City with any required agency coordination, including correspondence with agency staff, agency meetings, and agency submittals (including notifications) etc., since the City is in fact the permittee for the following regulatory agency permits/authorizations:

- RWQCB Section 401 Water Quality Certification (SARWQCB WDID #332019-01)
- USACOE Nationwide Permit (SPL-2019-00285-TDK)
- CDFW Lake or Streambed Alteration Agreement Notification (Notification No. RIV-14883-R6)

The Dudek team will also be available to assist in the Request for Information (RFI) response process during construction of the project. Dudek understands the importance of a clean and efficient RFI process, as important environmental decisions need to be captured in the Project record via a formalized project management process, and to formally direct the contractor. Dudek understands that any decisions that affect cost and schedule need to be documented appropriately, and often need to be documented quickly so that the contractor can mobilize equipment, subcontractors, etc. The Dudek team prides itself on being extremely responsive when it comes to RFIs, as we understand this is often what makes or breaks the project. In addition, Dudek is familiar with working within many different project management systems, including Procore, Prologis, Aconex, etc.

ASSUMPTIONS:

- No more than two (2) special meetings will be required (2 hours per meeting)
- No more than two (2) site visits will be required (4 hours per visit)
- Dudek specialists will be available throughout the construction phase of the project to provide input and answer RFIs – up to 20 hours per month will be required for up to a 2-month construction schedule.

Dudek PROPOSED FEE including 10% mark-up is

\$13,898.00

See Attachment "A" Task 2 for original Dudek proposal and fee summary.

The overall requested amendment amount for all services described above is **\$153,683.00**. Upon your approval of this request, NV5 will begin performing the work described in this amendment immediately after receiving the notice-to-proceed.

If you have any questions or require additional information, please call me at (760) 580-8159. We look forward to your response and our continued involvement in this project.

Sincerely,
NV5



Darab Bouzarjomehri, PE
Senior Project Manager



Jeffrey M. Cooper, PE
Senior Vice President

Attachments:

Attachment "A", Attachment "B", Attachment "C", Attachment "D", Attachment "E", Exhibit "A"

The logo for Dudek, featuring the word "DUDEK" in a bold, white, sans-serif font against a dark blue background with a subtle wireframe pattern.

September 6, 2023

ATTACHMENT "A"

Darab Bouzarjomehri
NV5
15092 Avenue of Science, Suite 200
San Diego, CA 92128

Subject: Contract Amendment Authorization Request for the Bradley Road Bridge Project, City of Menifee, California

Dear Mr. Bouzarjomehri:

Dudek is requesting a change order to provide additional services that were requested by Caltrans on July 5, 2023, to support their review and approval of the Categorical Exemption under the National Environmental Policy Act (NEPA). Dudek is requesting an addition change order to provide environmental compliance oversight while SoCalGas proceeds into construction of their gas line relocation. The compliance oversight was a requested service from the City and is necessary to ensure permitting compliance. This amendment provides for the preparation and submittal of a Wetlands Only Practicable Alternative findings report and providing the necessary environmental compliance oversight services. The scope of work and fee estimates are provided below.

Task 1. Wetlands Only Practicable Alternative – Findings Report

On Federally funded projects, effects to wetland/waters must be identified in the environmental document. Executive Order 11990, Protection of Wetlands (1977), calls for no net loss of wetlands and establishes a national policy to avoid adverse effects on wetlands wherever there is a practicable alternative. Alternatives that avoid wetland/waters must be considered. If wetland/waters effects cannot be avoided, then all practicable measures to minimize harm must be included. If the preferred alternative is located in wetlands/waters, the final NEPA document needs to contain the finding required by Executive Order 11990. This finding will document compliance with the Executive Order 11990 requirements (23 CFR 771.125(a)(1)) and will be provided in a standalone "Wetlands Only Practicable Alternative" finding letter report with the following information:

1. A reference to Executive Order 11990;
2. An explanation as to why there are no practicable alternatives to the proposed action;
3. An explanation as to why the proposed action includes all practicable measures to minimize harm to wetland/waters; and
4. A concluding statement that: "Based upon the above considerations, it is determined that there is no practicable alternative to the proposed construction in wetland and that the proposed action includes all practicable measures to minimize harm to wetlands which may result from such use."

The cost to complete the above referenced work is **\$6,055.00**

Task 2. Environmental Compliance Oversight

Dudek's team of environmental compliance professionals will be available to assist the City of Menifee (City) during the pre-construction and construction phases of the project. Relying on our experience managing similar projects in California, Dudek environmental compliance staff will be available to assist the City with any questions, comments, etc. that could be presented by SoCal Gas (SCG) or their contractor during the pre-construction and construction phases of the project. We will rely on our extensive experience implementing environmental

DUDEK.COM

TO: DARAH BOUZARJOMEHRI

SUBJECT: [BRADLEY ROAD BRIDGE - WOPA - ENVIRONMENTAL COMPLIANCE OVERSIGHT

construction compliance programs, as both a first-party consultant working directly for the contractor (i.e., field implementation) and third-party work providing oversight and guidance to the contractor.

As part of this task, Dudek environmental compliance staff will be available to attend pre-bid and/or pre-construction meetings to help answer questions and/or strategize about environmental compliance implementation for the project. Dudek staff will also be available to conduct site visits, site meetings, etc. to facilitate review of particular portions of the project to help streamline the implementation process, and be available to review document submittals, regular reports, and any other environmental compliance documentation, as needed throughout the project lifecycle (e.g., Burrowing Owl Pre-construction Survey Reports, Pre-construction Nesting Bird Survey Reports, Worker Environmental Awareness Program (WEAP) training, etc.).

In addition, the Dudek team will be prepared to assist the City with any required agency coordination, including correspondence with agency staff, agency meetings, and agency submittals (including notifications) etc., since the City is in fact the permittee for the following regulatory agency permits/authorizations:

- RWQCB Section 401 Water Quality Certification (SARWQCB WDID #332019-01)
- USACOE Nationwide Permit (SPL-2019-00285-TDK)
- CDFW Lake or Streambed Alteration Agreement Notification (Notification No. RIV-14883-R6).

The Dudek team will also be available to assist in the Request for Information (RFI) response process during construction of the project. Dudek understands the importance of a clean and efficient RFI process, as important environmental decisions need to be captured in the Project record via a formalized project management process, and to formally direct the contractor. Dudek understands that any decisions that affect cost and schedule need to be documented appropriately, and often need to be documented quickly so that the contractor can mobilize equipment, subcontractors, etc. The Dudek team prides itself on being extremely responsive when it comes to RFIs, as we understand this is often what makes or breaks the project. In addition, Dudek is familiar working within many different project management systems, including Procore, Prologis, Aconex, etc.

Assumptions:

- No more than two (2) special meetings will be required (2 hours per meeting)
- No more than two (2) site visits will be required (4 hours per visit)
- Dudek specialists will be available throughout the construction phase of the project to provide input and answer RFIs – up to 20 hours per month will be required for up to a 2-month construction schedule.

*The cost to complete the above referenced work is **\$12,635.00***

Thank you for the opportunity to continue serving your needs for this important project. Please contact me at (760) 479-4108 or by email at jreynolds@dudek.com if you have any questions or comments regarding this request.

Sincerely,



Jason Reynolds
Transportation Practice Director

cc: Tricia Wotipka, Dudek
Mark Lathram, Dudek

DUDEK

SEPTEMBER 2023

2

14530 [Bradley Road Bridge NEPA Analysis]

NV5
14530 (Bradley Road Bridge WOPA_ENV-COMPLIANCE)
DUDEK FEE ESTIMATE
09/06/2023



Dudek Labor Hours and Rates									
Project		Senior Specialist		Senior Specialist		Analyst III		GIS Analyst II	
Team Member:		Jason Reynolds	Triela Wotipka	Emily Trevino	Senior Specialist I	Analyst III	GIS Analyst II	TOTAL	
Billable Rate:		\$265.00	\$235.00	\$145.00	\$200.00	\$115.00	\$135.00	DUDEK HOURS	DUDEK LABOR COSTS
Task Task		4	12	15	40	20	8	OTHER DIRECT COSTS	TOTAL FEE
Wetlands Only Practicable Alternative Fin		4	12	15	40	20	8		\$8,055.00
Environmental Compliance Oversight		4	12	15	40	20	8		\$12,635.00
Total Hours		8	12	15	40	20	8		
Total		\$2,120.00	\$2,820.00	\$2,175.00	\$8,000.00	\$2,300.00	\$1,080.00		\$18,495.00

14530 (Bradley Road Bridge NEPA Analysis)



Mileage Costs					
Task	Mileage Notes	Number of Miles	Number of Vehicles	Mileage Rate	Cost
Task 2 - Environmental Compliance Oversight	Site Visit	300	1	\$0.65	\$195.00

ATTACHMENT "B"

TASK DESCRIPTION			LABOR CODE/STAFF HOURS					TOTALS		
Phase	Task	Task/Sub	OSPP \$300	OSMP \$235	OSMP \$235	OSJP \$135	- -	HOURS	FEE	%
	1.0	Review hydraulic models and documents		2	10			12	\$2,820	12.12%
	2.0	Prepare LHS report and LHS and SFER forms		8	42			50	\$11,750	50.51%
	3.0	Assemble LHS and SFER submittal package		1	8			9	\$2,115	9.09%
	4.0	Respond to Caltrans comments		4	24			28	\$6,580	28.28%
			OSPP	OSMP	OSMP	OSJP	-	PAGE TOTALS		
TOTAL - THIS PAGE			0	15	84	0	0	99	\$23,265	100.00%
TOTAL - ALL PAGES			0	15	84	0	0	99	\$23,265	100.00%

ATTACHMENT "C"

NV5

TASK DESCRIPTION			LABOR CODE/STAFF HOURS												TOTALS		
Phase	Task	Task/Sub	OSSMP \$225	OSMP \$200	OSSP \$175	OSEEP \$155	OSTSP \$145	OSJP \$125	OSCT2 \$125	OSCT1 \$100	FS1P \$220	FS2P \$288	OSPAD \$100	- -	HOURS	FEE	%
1.00	1	Project Setup and Research	2										2		4	\$650	6.73%
	2	Project Setup and Research Meetings (2)	2												2	\$450	4.66%
		Prepare Plats and Legals (4)	16			32									48	\$8,560	88.61%
		Subtotal													54	\$9,660	
		End of Task															
TOTAL - THIS PAGE			20	0	0	32	0	0	0	0	0	0	2	0	54	\$9,660	100.00%
TOTAL - ALL PAGES			20	0	0	32	0	0	0	0	0	0	2	0	54	\$9,660	100.00%

Bradley Road Bridge TCEs,

ATTACHMENT "D"

ATTACHMENT "D"

Bradley Road Bridge Construction Support Services - Fee Summary							
Tasks	Principal Manager	Project Manager	Senior Engineer	Sr. CADD Technician	Task Hours	Other Direct Cost	Total Fee Fee \$
Pre-Bid Phase							
Attend the pre-bid conference to assist the city with responses to questions	4				4	\$73.00	\$1,269.00
Bid Phase							
Respond to inquiries	2	6			8		\$2,236.00
Prepare addenda to the plans as necessary	1	1	6	8	16		\$3,146.00
Provide clarifications	1	3			4		\$1,118.00
Evaluate contractors bids & rank all bids for selection	8	8			16		\$4,576.00
Construction Phase							
Attend the pre-construction conference	4				4	\$73.00	\$1,269.00
Assist the Resident Engineer	2	4			6		\$1,690.00
Produce the bridge "4 scale" drawing	1		1	8	10		\$1,848.00
Attend up to 4 construction meetings	12	12			24	\$292.00	\$7,156.00
Review and assess contractor's construction schedule	2	4			6		\$1,690.00
Review and authorize Falsework Shop Drawings	5	10	25		40		\$9,350.00
Review and Authorize Prestress Shop Drawings	4	6	14		24		\$5,704.00
Review and authorize CIDH Pile Shop Drawings	2	2	8		12		\$2,784.00
Review and authorize Railing Shop Drawings		1	3		4		\$888.00
Respond to contractor's RFIs (15 RFIs at 3 hours each)	4	6	35		45		\$10,009.00
Review and validate change order requests	4	6			10		\$2,834.00
Review and authorize concrete mix designs and aggregate gradings	1		5		6		\$1,324.00
Review and authorize excavation/shoring plans	2		6		8		\$1,828.00
Review and authorize pile shop drawings and pile hammer analysis (if appropriate)	4		12		16		\$3,656.00
Prepare As-built plans per contractor marked-up plan set		4		36	40		\$7,140.00
Management and Coordination	8	50			58		\$16,042.00
Total	71	123	115	52	361	\$438.00	\$87,557.00
						USE	\$88,000.00

55 Miles distance * \$.66 = \$36.30 One Way Travel Cost

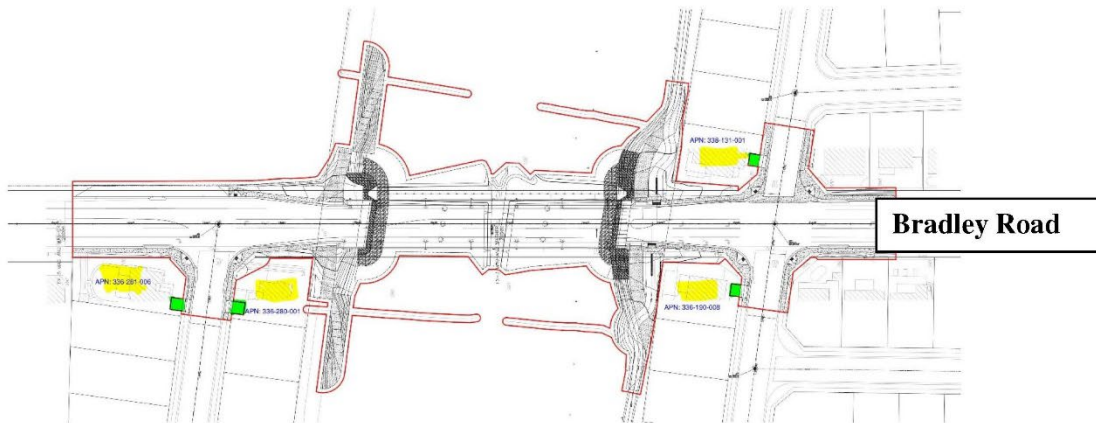
ATTACHMENT "E"

Bradley Road Bridge Temporary Traffic Control And Detour Plans - Fee Summary					
Tasks	Principal Manager	Project Manager	Sr. CADD Technician	Task Hours	Total Fee \$
	\$299	\$273	\$168		
Temporary Traffic Control and Detour Plans					
Prepare temporary traffic control and detour plans for the construction of the required roadway improvements (i.e., bridge construction)	6	16	36	59	\$12,210.00
Total	6	16	36	59	\$12,210.00

EXHIBIT "A"

September 7, 2023

TCE's



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EXHIBIT A