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AMENDMENT NO. 5 TO
AGREEMENT BETWEEN NV5, INC
AND THE CITY OF MENIFEE FOR CIP 13-04 (BRADLEY BRIDGE) DESIGN SERVICES

This is Amendment No. 5 to that certain AGREEMENT for Professional Services Agreement ("Agreement") made on **September 2, 2015** between the City of Menifee ("City") and **NV5, INC** ("Consultant") for **CIP 13-04 (BRADLEY BRIDGE) DESIGN SERVICES** which Amendment No. 5 is made and entered into on __September 15__**, 2021** to extend the term, increase the scope of work and compensation amount as indicated below:

1. Section 1.1, "Term of Services" is amended to read as follows:

   1.1 Term of Services. The term of this Agreement shall begin on the **September 15, 2021** and shall end on **June 30, 2023** unless the term of the Agreement is otherwise terminated or extended as provided for in Section 8. The time provided to Consultant to complete the services required by this Agreement shall not affect the City's right to terminate the Agreement, as provided for in Section 8.

2. Section 1.6, "Covid-19 Safety" is included to read as follows:

   1.6 Covid-19 Safety. If Consultant enters City property or meets in person with City employees during the performance of the Services, Consultant shall comply with all State, County, and local emergency orders, directives, protocols, and best practices related to the COVID-19 pandemic, including, but not limited to: (A) wearing facial coverings, (B) maintaining adequate physical distancing when possible, (C) regular hand washing, and (D) regular hand sanitizing.

3. Section 2, "Compensation" is amended to increase the maximum compensation by **$187,950.00 (ONE HUNDRED EIGHTY SEVEN THOUSAND NINE HUNDRED FIFTY DOLLARS AND ZERO CENTS),** and is amended to read as follows:

   Section 2. COMPENSATION.

   City hereby agrees to pay Consultant a sum not to exceed **$925,961.00 (NINE HUNDRED TWENTY FIVE THOUSAND NINE HUNDRED SIXTY ONE DOLLARS AND ZERO CENTS)** 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.

4. **Section 3**. Exhibit A, Scope of Services is supplemented to include Amendment No. 1 **Scope of Work Additional Work**, which supplement is attached as Exhibit A hereto.

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"Amendment No. 1 Scope of Work Additional Work (Amendment No. 1)" 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.

5. All other terms and conditions of the Agreement remain in full force and effect.

CITY OF MENIFEE

DocuSigned by:

A96907ED91464C0...

Armando G. Villa, City Manager

Attest:

DocuSigned by:

Sarah A. Manwaring

276D93A0122A4CB...

Sarah A. Manwaring, City Clerk

Approved as to Form:

DocuSigned by:

Jeffrey T. Melching, City Attorney

DABE8686180C4BB...

Jeffrey T. Melching, City Attorney

NV5, INC

DocuSigned by:

Carmen Kasner

330CAEE3EC50463...

Carmen Kasner, Regional Chief Executive

DocuSigned by:

7FFC5B3A6A614DC...

MaryJo O'Brien, CAO/Secretary

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Amendment No. 1 – Exhibit A: Scope of Work Additional Work

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N|V|5

August 11, 2021

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

Subject: **Amendment for Civil Engineering, Bidding and Construction Support Services for CIP 13-04 Bradley Road Bridge Design and Salt Creek Trail Modifications**

Dear Carlos:

NV5, Inc (NV5) is pleased to submit our proposal amendment for Civil Engineering Services associated with the above-referenced project.

This amendment includes the effort required to revise the Plans, Specifications, and Estimate (PS&E) of the Bradley Road Bridge Over Salt Creek project (Project) to modify and incorporate the recently constructed Salt Creek Trail into the project design. It includes the scope and fee for professional services including Civil and Structural Engineering, Electrical Engineering, Geotechnical Review and Validation of the available soils report, additional Surveying, and Environmental Permit Support required to modify the existing contract documents to a bid-ready set of PS&E. This proposal is based on an initial assessment of the required changes to the project, and includes design support services during bidding and construction. Based on our recent meeting with you, the Director of Public Works and the Deputy Director held on Thursday, July 22, we understand that the City **does not** want us to include the following:

1. The effort required to provide NEPA documentation;
2. The effort required to update the bridge design and specifications to the 2018 Caltrans standards.

Upon further discussion with you over the phone on August 4, we mutually agreed that it would better serve the City if NV5 upgraded the currently designed concrete barriers to be compliant with the latest safety standards, i.e. compliant with the Manual for Assessment of Safety Hardware (MASH). Since we are not updating the specifications to the 2018 Caltrans standards, we will need to incorporate the concrete barrier detail sheets into our plans. This will avoid delays during construction, and the potential withdrawal of federal funds.

This proposal is presented in three sections:
1. Scope of Services
2. Assumptions and Exclusions
3. Proposed Compensation

If the enclosed proposal meets with your approval, please provide us with a Contract Amendment under the terms and conditions of our existing agreement (226815-00044) with the City of Menifee, dated September 2, 2015 except that we are using our current Schedule of Fees attached at the end.

15092 Avenue of Science, Suite 200 | San Diego, CA 92128 | www.NV5.com | Office 858.385.0500 | Fax 858.385.0400

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If conditions change or you would like to add to or revise this scope, please let us know and we will make the necessary modifications. This proposal is good for 90 days.

We appreciate the opportunity to provide this proposal and look forward to working with you. Please feel free to call me at (858) 385-2128 if you have any questions.

Sincerely,

NV5, Inc.

Jack L. Abcarius, PE
Associate
P27521-0002536.00

Cynthia Peraza, PE
Assistant Regional Manager

NV5

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Scope of Services

NV5 completed the Bradley Road Bridge Design and submitted the final PS&E documents to the City of Menifee in September 2019. Our environmental subconsultant is currently in the process of obtaining the appropriate permits for construction. It is our understanding the project has not yet been advertised for construction and in the time since the final PS&E documents were submitted, the Riverside County Regional Park and Open-Space District (RCRPOSD) has constructed a new Class I Bike Path, called the Salt Creek Trail, within the project vicinity. Unfortunately, as constructed, the trail crosses Bradley Road at the proposed north bridge abutment. Rather than re-designing the bridge, the City has elected to realign the new trail in order to meet the proposed horizontal and vertical geometry of Bradley Road at the north end of the proposed bridge as a more cost effective solution. The driveway connections for the Riverside County Flood Control and Water Conservation District (RCFCWCD) access roads will also need to be modified. The profile grade of the trail will need to be elevated in order to meet the raised profile of Bradley Road. To reduce the amount of additional fill within the Salt Creek Channel and eliminate the need to revise the Conditional Letter of Map Revision (CLOMR) for the project, we are proposing the use of Caltrans standard Type 1 retaining walls to support the raised trail profile. A special design will be required where the wall crosses over the proposed box culvert. This work will require professional services of Civil Engineering, Geotechnical and Electrical Engineering, Surveying, and Environmental disciplines. Below is our detailed scope to accomplish this work:

Task 1 Management & Coordination

The Project Manager will monitor the activities of the project team, tracking progress and assuring compliance with the schedule. The Project Manager will maintain communications with the client through periodic progress meetings and progress reports. This task includes overall management of the project, the design team, administration and coordination of the work, and includes the following sub-tasks:

1. Scheduling - Preparing, updating and maintaining the overall schedule.
2. Preparing progress reports.
3. Coordinating and directing the activities of the project team.
4. Monitoring and controlling the project budget.
5. Scheduling meetings with the City, RCFCWCD, EMWD, and RCRPOSD (total of 4 meetings at 3 hours each).
6. Preparing meeting agendas and minutes.
7. Maintaining a project correspondence file.
8. Reviewing, approving, and submitting invoices.
9. Ensuring contractual requirements are met and fulfilled.

Part of the project manager's responsibilities will be the QA/QC task, which includes the review of all documents (plans, reports, and estimates) prior to the final submittal to control the quality and correctness of the product, and assure the client's expectations are met or exceeded.

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Task 2 Data Gathering

NV5 will obtain the as-built drawings for the Salt Creek Trail from RCRPOSD. Additional field surveys will be conducted to locate the most recent improvements, and shall be tied to the existing project horizontal and vertical control. The NV5 Survey proposal is attached.

Task 3 Preliminary Layout Exhibit

NV5 will prepare a Preliminary Layout Exhibit to show the proposed improvements to connect the Salt Creek Trail with the Bradley Road Bridge Design. The exhibit will show the proposed trail alignment and its connection to the proposed improvements on Bradley Road, the relocation of the traffic signals and electrical infrastructure at the trail crossing, the driveways for the RCFCWCD maintenance access, the location and limits of proposed retaining walls and rock slope protection, and proposed limits of grading. In addition, this task will incorporate a couple of alternative preliminary detour plans for the trail, in order to explore the feasibility of maintaining pedestrian and bicycle mobility along the Salt Creek Trail during construction. This Preliminary Layout Exhibit will be used during our coordination meeting with the City of Menifee, RCFCWCD, RCRPOSD, EMWD and other stakeholders to confirm the proposed improvements are acceptable.

Task 4 Additional Environmental Permit Support

Since the proposed limits of work for the trail realignment fall outside of the original project's Area of Potential Effects (APE), additional environmental support will be required to obtain permit coverage for the proposed improvements. This task includes additional environmental analysis, amendments to the environmental document, and revisions to permit applications. Our environmental subconsultant's proposal is attached.

Task 5 Geotechnical Services

NV5 will review and validate the retaining wall recommendations in the Foundation Report. Our proposed scope of services includes the following:

- Review of preliminary project plans (if available), published geological/geotechnical maps and literature pertaining to the site and vicinity.
- Review of the referenced Foundation Report and provide NV5's opinion if the existing conclusions and recommendations are adequate for the design of the proposed retaining walls.

Task 6 Revise PS&E

After meeting with the City, RCFCWCD, and EMWD, and receiving concurrence on the Preliminary Layout Exhibit, NV5 will begin to revise and update the project plans, specifications, and estimate to a bid-ready set of contract documents to be submitted to the City. All contract documents will be prepared in the same format as in the original agreement. We anticipate that the following plan sheets will need to be revised or added:

1. Title Sheet (minor revisions and edits)
2. Notes (minor revisions and edits)
3. Demolition Plan (New sheet)
4. Trail Detour Plan (Assume two new sheets)

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5. Typical Sections (revisions, edits, and some new sections)
6. Plan and Profile for Bradley Road (minor revisions and edits)
7. Plan and Profile for Access Roads on north side (major revisions)
8. Grading Plan (major revisions and possible new sheet)
9. Storm Drain Plan and Profile (revisions and edits)
10. Striping and Signing Plan (minor revisions)
11. General Plan (revisions and edits to the Plan and Elevation Views)
12. Index to Plans (minor revisions to account for new sheets; re-numbering all sheets)
13. Foundation Plan No. 2 (incorporate new retaining wall foundations)
14. Retaining Wall Plans (new sheet)
15. Abutment 4 Layout (New sheet to reflect the Trail addition)
16. Bridge Lighting Plans (minor revisions and edits)
17. Traffic Signal Plan (new sheet)

As part of the PS&E revisions, the project's electrical design needs to be modified as follows:

1. Update all design requirements to assure compliance with latest code cycles (CEC, Title 24 etc.)
2. Review existing Salt Creek Trail project for necessary design changes in accordance with the Bradley Road Bridge project.
3. Update current Bradley Road electrical design as required, including changes to accommodate the Salt Creek Trail project.
4. Update equipment specified to assure compliance with latest code updates.

In addition, prior to submitting the final deliverables, NV5 will review and update as necessary the Transportation Project Guidance document that was prepared and submitted back in November 2017.

Deliverables:

- *Final Set of Revised Construction Plans (Bond copy and Mylar)*
- *Revised Engineer's Construction Cost Estimate in MS Excel and PDF*
- *Revised Technical Project Specifications in MS Word and PDF using the 2015 Caltrans Standard Specifications*
- *Updated Transportation Project Guidance*

Task 7 Bidding and Construction Support Services

1. NV5 will attend the pre-bid conference to assist the City with responses to questions from prospective contractors. We have budgeted ten (10) hours of staff time for this effort.
2. Throughout the Bid Period, NV5 will be available to:
   a. Respond to inquiries
   b. Prepare addenda to the plans as necessary
   c. Provide clarifications to the plans and specifications

   We have budgeted one hundred and eight (108) hours of staff time for this effort.

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3. If requested by the City, NV5 can evaluate all the bids received by contractors to determine responsiveness, and to rank them in order of total cost for selection by the City. We have budgeted ten (10) hours of staff time for this effort.
4. During construction, NV5 will provide design support services as follows:
   a. Attend the pre-construction conference with the selected contractor
   b. Assist the Resident Engineer with the interpretation of the contract documents
   c. Produce the bridge "4-scale" drawing of the deck contours
   d. Attend up to six (6) construction progress meetings on-site
   e. Review and assess contractor's construction schedule
   f. Review and authorize contractor's shop drawing submittals and RFI's
   g. Review and validate change order requests
   h. Review and authorize concrete mix designs and aggregate gradings
   i. Review and authorize excavation/shoring plans
   j. Review and authorize falsework submittal

   We have budgeted two hundred and two (202) hours of staff time for this effort.
5. Prepare the final As-Built plans based on the Resident Engineer's and Contractor's marked-up set of plans.

Assumptions and Exclusions

It is assumed that:

1. The proposed bike path improvements will be in accordance with those shown in the Salt Creek Trail plans, dated June 2018.
2. The Foundation Report prepared by Shannon & Wilson, Inc., dated August 31, 2017, is valid, and no additional geotechnical analysis is required for this work.
3. Bradley Road will be closed between Potomac Drive and Rio Vista Drive during construction of the bridge. Duration of construction is estimated at 16 months.
4. Traffic Studies or analyses are not required.
5. Agency fees, if any, will be paid by the City.
6. NV5's survey team will have adequate access to the site.

The items below are <u>excluded</u>:

1. Potholing existing utilities.
2. Preparation of a new SWPPP.
3. Traffic Control Plans.
4. Stage Construction Plans.
5. Right-of-Way engineering.
6. Utility research, mark-out (performing and surveying) and pothole surveying.
7. Filing/recording any Records of Survey or Corner Records.
8. Revisions to the Bradley Road Water / Recycled Water Relocation plans; to be conducted under separate contract with Eastern Municipal Water District.
9. NEPA documentation.
10. Updates to the plans, specifications and estimate, to comply with the 2018 Caltrans Standard Plans and Specifications.

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Proposed Compensation

Client agrees to compensate Consultant for such services as indicated below:

Progress billings will be forwarded to the Client on a monthly basis as a percent complete by task except for Task 7 and the direct expenses. These billings will include fees earned for the billing period. Tasks 1 thru 6 will be billed on a lump sum fixed fee basis using the same format that was originally approved unless otherwise directed by the City. Task 7 and the reimbursable expenses will be billed on a Time and Materials basis, in accordance with our Rate Schedule in effect at the time of construction. Direct costs and subconsultant costs will be billed with a 10% mark-up.

Total Estimated Fee: $187,950

Breakdown of Total Fee

Task 1 Management & Coordination	$18,350
Task 2 Data Gathering	$7,905
Task 3 Preliminary Layout Exhibit	$14,150
Task 4 Additional Environmental Permit Support	$25,465
Task 5 Geotechnical Services	$2,600
Task 6 Revise PS&E	$51,400
Task 7 Bidding and Construction Support Services	$67,004
Other Direct Costs	$1,076

If you have any questions regarding this proposal, feel free to contact me by phone at (858) 705-2430, or by email at jack.abcarius@nv5.com.

Respectfully submitted,

NV5, Inc.

Jack L. Abcarius

Jack L. Abcarius, P.E
Associate / Project Manager

Attachments: 1. Survey Proposal
2. Dudek's Proposal
3. 2021 Schedule of Fees

NV5

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NV5

April 19, 2021

Jack Abcarius
Engineering Manager
NV5 Engineering (Internal)
15092 Avenue of Science, Suite 200
San Diego, CA 92128

Subject: Proposal for the City of Menifee – Bradley Road Bridge.

Dear Jack:

NV5 Survey is pleased to submit our proposal for Surveying Services associated with the above-referenced project.

This proposal covers the effort required to provide a design level topographic survey of the work areas shown in the attached Exhibit A. After performing a field survey of the existing site conditions, we will prepare an AutoCAD file with planimetric line work and a Civil 3D surface with one-foot contours.

This proposal is broken down into five sections:

1. Scope of Services
2. Schedule
3. Accuracy
4. Proposed Compensation
5. Assumptions and Exclusions

We appreciate the opportunity to provide this proposal and look forward to working with you. Please feel free to call me at (858) 927-3629 if you have any questions.

Sincerely,

NV5, Inc.

James Nicolau IV, PLS
Survey Manager

Paul Robotta, PLS
Director of Survey

P27621-0003120.00

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Scope of Services

NV5 Survey will perform a field topographic survey of the areas shown on the attached Exhibit A and prepare a CAD/Civil 3D drawing of planimetrics and a Civil 3D surface based on the survey. Said survey will be based off of existing published horizontal and vertical control.

Phase 1 **Field Topographic Survey**

A NV5 survey crew will perform a field topographic survey of the area as shown below on Exhibit "A" at +/- 25 foot grid, including:

- Corners and overhangs of Buildings.
- Site structures: trash enclosures, storage sheds, and other structures with a permanent foundation.
- Hardscape surfaces including walkways, paths, and changes in surface materials.
- Top, flowline, and lip of gutter for curbs.
- Visible above-ground utilities, including vaults, meters, freestanding equipment, manholes, and valves.
- Storm drain inlets and outlets.
- Fire Hydrants, PIVs, and fire department connection(s).
- Fences and walls.
- Spot elevations at observed grade breaks and at sufficient intervals to create the surface with contour lines at a one-foot interval.
- Tree trunks for trees over six inches in diameter.
- Outlines of landscape areas.
- Roadway paint striping

Phase 2 **Drafting and Deliverable**

NV5 will create and deliver an AutoCAD/Civil 3D drawing in of the surface data and planimetric features of the site. QA/QC and project management will be provided at all phases.

Schedule

Please allow 15 to 20 working days for delivery after receipt of a formal notice to proceed

Accuracy

Horizontal and vertical accuracy of survey points will be +/-0.05'. Contours will have an accuracy appropriate to a one-foot contour interval, i.e. +/-1.0 feet.

Proposed Compensation

We propose to perform the above Scope of Services on a Fixed Unit cost of $7,555.00.

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Assumptions and Exclusions

1. This proposal and fee presumes that we will be allowed access to the site during normal working hours.
2. This proposal excludes utility mark-out and potholing.
3. Filing/recording any Records of Survey or Corner Records is excluded from this proposal.
4. No property corners will be set as part of this survey.
5. Plotting of easements is excluded from this proposal.
6. Any item not specifically included in this proposal is specifically excluded.
7. No boundary lines will be included as a part of this scope and fee.
8. The Fee proposed assumes that all sixs site may be surveyed with one Notice to Proceed.

Exhibit A

NV5

CONSTRUCTION QUALITY ASSURANCE - INFRASTRUCTURE - ENERGY - PROGRAM MANAGEMENT - ENVIRONMENTAL

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2280 HISTORIC DECATUR RD, STE 200
SAN DIEGO, CALIFORNIA 92106
T 619.591.1370 F .619.591.1399

April 16, 2021

Jack Abcarius
NV5
15070 Avenue of Science, Suite 100
San Diego, CA 92128

Subject: Request to Provide Environmental Services Support for the Bradley Road Bridge Improvements Project, Riverside County Trail, City of Menifee Retaining Wall, and EMWD Recycled Water Pipeline Components

Dear Mr. Abcarius:

Dudek is pleased to submit this proposal for environmental services in support of the Bradley Road Improvements Project (project) in the City of Menifee (City). Dudek previously assisted in the preparation of the Mitigated Negative Declaration (MND) and associated technical studies in compliance with the California Environmental Quality Act (CEQA) under contract to NV5/City of Menifee. The Final MND (State Clearinghouse No. 2016121033) was approved by the City, as Lead Agency under CEQA, on February 22, 2017. Since that time, changes in which the project will be undertaken have occurred related to utility infrastructure. This proposal includes a scope for the work anticipated to be required for these changes to be in compliance with CEQA.

Project Understanding and Assumptions

As part of the project development, a public walking trail was recently constructed by Riverside County Parks that traverses the northerly part of the project's Area of Potential Effect (APE), and extends outside of the APE. Related to this, the City is proposing to build a retaining wall to protect the trail as it reaches the bridge, and the retaining wall would be wholly built within the APE. Last, a recycled water pipeline is proposed entirely within the APE by the Eastern Municipal Water District (EMWD). Dudek will prepare CEQA documentation to address these newer project components, and we anticipate that an addendum to the Final MND will be the suitable path forward for CEQA compliance.

Section 15164 of the CEQA Guidelines states that a lead agency shall prepare an addendum to a previously adopted MND if some changes or additions are necessary, but where there are no substantial changes or new information of substantial importance. In order for the City to prepare an addendum to the MND, Dudek assumes that implementation of the proposed project will comply with the adopted Mitigation Monitoring and Reporting Program (MMRP) associated with the previous MND. Therefore, for an addendum to be considered the appropriate CEQA documentation for the project, Dudek assumes that none of the following conditions would be met, per Section 15162 of the CEQA Guidelines: (1) the project would involve any new significant impacts beyond those previously identified in the MND, (2) the project would involve a substantial increase in the severity of impacts beyond those previous identified in the MND, and (3) new or considerably different mitigation measures previously found not to be feasible would in fact be feasible, and would substantially reduce identified significant impact, but the project proponents decline to adopt the mitigation measure. Should it be determined through the course of our analysis that any of the listed conditions in Section 15162 of the CEQA Guidelines be met, an addendum to the MND would no longer be the appropriate path for CEQA compliance and a separate scope will be provided.

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Also, Dudek will also update our cultural resources assessment since SHPO has requested an updated CHRIS records search and pedestrian survey for the project, as these were last done by Dudek in 2015 and are now outdated.

Scope of Work

Task 1 CEQA Documentation Update

Task 1a Addendum to the MND

Dudek recommends a single CEQA Addendum will be prepared for either the City, EMWD or the County. The other lead agencies can then use that Addendum for their own discretionary actions. This would be simpler than preparing three CEQA Addenda, one for each lead agency.

Dudek will prepare an addendum to the Bradley Road Bridge Final MND pursuant to California Government Code section 15164 in order to satisfy CEQA environmental review requirements. Section 15164 states that a lead agency shall prepare an addendum to a previously adopted MND if some changes or additions are necessary, but where there are no substantial changes or new information of substantial importance (as described in Section 15162). The addendum would describe changes to the project description and environmental impacts described in the Final MND. The addendum will incorporate analysis and results from the technical studies prepared for the project, design plans, desktop review of applicable plans, and information provided by the City and SoCalGas. Preparation of an addendum, assumes that the project, as modified, would not involve any new significant impacts beyond those previously identified in the Final MND, a substantial increase in the severity of impacts beyond those previous identified in the Final MND, and new or considerably different mitigation measures required beyond those included in the Final MND.

Following completion of the technical study identified in Task 1b, Dudek will prepare a first screencheck draft of the addendum for review by all three lead agencies. Dudek will incorporate all comments received into the subsequent screencheck and will be responsible for making all revisions requested by the lead agencies. Dudek will then finalize the addendum, which will be submitted to the City for its adoption. This task assumes only electronic submittals of the draft and final addendum for lead agency review. This scope assumes up to two (2), one (1) hour conference calls and no in person meetings related to the preparation of the addendum.

Cost Estimate Task 1a $14,500.00

Task 1b Update to the Cultural Resource Study

Dudek prepared a cultural resources technical study in support of the original project MND in 2016. As part of this evaluation, a 4.4-acre APE was identified and evaluated for resource constraints. However, following adoption of the Final MND in 2017 SHPO has requested updated records search and survey.

Dudek will prepare a cultural resources memo to demonstrate that a reasonable and good faith effort was made to identify historic properties within the project's Area of Potential Effects (APE). The memo will be prepared in compliance with Section 106 of the National Historic Preservation Act (NHPA) and the implementing regulation 36

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CFR Part 800, in consideration of the need for a U.S. Army Corps of Engineer (USACE) permit, and will also comply with the requirements of CEQA. The estimated schedule for completion of the final report is approximately 10-12 weeks from contract approval. The following tasks support preparation of the report:

Cultural Resources Records Search

A California Historical Resources Information Systems (CHRIS) records search was previously completed for the Bradley Road Improvements at Salt Creek Project at the Eastern Information Center (EIC), which houses cultural resource records for Riverside County. Because the previously completed records search was conducted over 5 years ago, Dudek will conduct a supplemental records search to capture any additional studies and/or newly identified resources that have been added to the CHRIS record for the Project APE and a one-half-(0.5) mile search radius. For the purposes of this scope, Dudek assumes the Project APE is approximately 4.43 acres. Dudek assumes the cost of the EIC records search will not exceed $1,000. Please note that due to COVID-19, the EIC response time for records searches has been significantly delayed. Due to the EIC delays, Dudek will initiate a CHRIS records search with the EIC immediately upon notice to proceed.

Survey

Upon completion of the records search, Dudek will survey the Project APE for cultural resources. The cultural resources survey will consist of an intensive-level pedestrian survey of all portions of Project APE with exposed ground surface utilizing transects spaced no more than 15 meters apart, where feasible. Other developed portions of the project APE will be spot-checked. We assume the Project APE to be not more than 4.43 acres. Dudek further assumes that the survey will be negative for archaeological resources (i.e., no newly discovered archaeological and resources will be encountered, and no previously recorded resources will require updates). No artifacts, samples, or specimens will be collected during the survey. Should any resources be encountered during the survey requiring recordation, we will work with you to augment this scope of work and associated costs. For the purposes of this scope and cost, we assume no Native American monitor will be required and no buildings or structures and no newly discovered archaeological resources within the Project APE will require formal recordation or evaluation for historical significance at this time. Should this be required in the future, Dudek can provide this service for an additional fee.

Memorandum

Dudek will prepare a Section 106 of the NHPA and CEQA compliant memorandum that will summarize the results of the records search and survey. The memorandum will provide an assessment of the potential for the Project APE to contain cultural resources/historic properties. We assume no more than one draft and one final version of the memorandum will be required.

Cost Estimate Task 1b ***$8,650.00***

Cost Summary

The cost for the scope of work outlined above is **$23,150.00** and will be billed on a time and materials basis in accordance with Dudek's 2021 Schedule of Charges, a copy of which is attached for reference. The scope of work

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and cost estimate described above reflect our current understanding of the project requirements. Amendments to the scope of work and cost will be necessary if there are modifications to the project, outlined assumptions, or the required services.

Thank you for the opportunity to provide environmental services for the project, and we hope that Dudek will serve your needs for this effort. Please contact me if you have any questions or comments regarding this proposal.

Sincerely,

Shawn S. Shamlou, AICP
Principal

c: Tricia Wotipka Priest, Dudek

att: Dudek 2021 Standard Schedule of Charges

DUDEK
2021 STANDARD SCHEDULE OF CHARGES

Engineering Services

Project Director	$295.00/hr
Principal Engineer III	$275.00/hr
Principal Engineer II	$265.00/hr
Principal Engineer I	$255.00/hr
Program Manager	$240.00/hr
Senior Project Manager	$240.00/hr
Project Manager	$235.00/hr
Senior Engineer III	$230.00/hr
Senior Engineer II	$220.00/hr
Senior Engineer I	$210.00/hr
Project Engineer IV/Technician IV	$200.00/hr
Project Engineer III/Technician III	$190.00/hr
Project Engineer II/Technician II	$175.00/hr
Project Engineer I/Technician I	$160.00/hr
Senior Designer	$180.00/hr
Designer	$170.00/hr
Assistant Designer	$165.00/hr
CADD Operator III	$160.00/hr
CADD Operator II	$150.00/hr
CADD Operator I	$135.00/hr
CADD Drafter	$125.00/hr
CADD Technician	$115.00/hr
Project Coordinator	$140.00/hr
Engineering Assistant	$120.00/hr

Environmental Services

Project Director	$245.00/hr
Senior Specialist IV	$230.00/hr
Senior Specialist III	$220.00/hr
Senior Specialist II	$200.00/hr
Senior Specialist I	$190.00/hr
Specialist V	$180.00/hr
Specialist IV	$170.00/hr
Specialist III	$160.00/hr
Specialist II	$145.00/hr
Specialist I	$130.00/hr
Analyst V	$120.00/hr
Analyst IV	$110.00/hr
Analyst III	$100.00/hr
Analyst II	$90.00/hr
Analyst I	$80.00/hr
Technician V	$100.00/hr
Technician IV	$90.00/hr
Technician III	$80.00/hr
Technician II	$70.00/hr
Technician I	$60.00/hr
Compliance Monitor	$95.00/hr

Mapping and Surveying Services

Application Developer II	$190.00/hr
Application Developer I	$150.00/hr
GIS Analyst V	$200.00/hr
GIS Analyst IV	$160.00/hr
GIS Analyst III	$140.00/hr
GIS Analyst II	$125.00/hr
GIS Analyst I	$110.00/hr
UAS Pilot	$110.00/hr
Survey Lead	$180.00/hr
Survey Manager	$130.00/hr
Survey Crew Chief	$110.00/hr
Survey Rod Person	$90.00/hr
Survey Mapping Technician	$90.00/hr

Construction Management Services

Principal/Manager	$195.00/hr
Senior Construction Manager	$180.00/hr
Senior Project Manager	$165.00/hr
Construction Manager	$155.00/hr
Project Manager	$145.00/hr
Resident Engineer	$145.00/hr
Construction Engineer	$140.00/hr
On-site Owner's Representative	$140.00/hr
Construction Inspector III	$130.00/hr
Construction Inspector II	$120.00/hr
Construction Inspector I	$110.00/hr
Prevailing Wage Inspector	$135.00/hr

Hydrogeology/HazWaste Services

Project Director	$285.00/hr
Principal Hydrogeologist/Engineer II	$265.00/hr
Principal Hydrogeologist/Engineer I	$250.00/hr
Sr. Hydrogeologist IV/Engineer IV	$235.00/hr
Sr. Hydrogeologist III/Engineer III	$220.00/hr
Sr. Hydrogeologist II/Engineer II	$205.00/hr
Sr. Hydrogeologist I/Engineer I	$190.00/hr
Hydrogeologist VI/Engineer VI	$180.00/hr
Hydrogeologist V/Engineer V	$170.00/hr
Hydrogeologist IV/Engineer IV	$160.00/hr
Hydrogeologist III/Engineer III	$150.00/hr
Hydrogeologist II/Engineer II	$140.00/hr
Hydrogeologist I/Engineer I	$130.00/hr
Technician	$100.00/hr

District Management & Operations

District General Manager	$195.00/hr
District Engineer	$185.00/hr
Operations Manager	$160.00/hr
District Secretary/Accountant	$120.00/hr
Collections System Manager	$135.00/hr
Grade V Operator	$125.00/hr
Grade IV Operator	$110.00/hr
Grade III Operator	$100.00/hr
Grade II Operator	$75.00/hr
Grade I Operator	$70.00/hr
Operator in Training	$65.00/hr
Collection Maintenance Worker	$75.00/hr

Creative Services

3D Graphic Artist	$180.00/hr
Graphic Designer IV	$160.00/hr
Graphic Designer III	$145.00/hr
Graphic Designer II	$130.00/hr
Graphic Designer I	$115.00/hr

Publications Services

Technical Editor III	$145.00/hr
Technical Editor II	$130.00/hr
Technical Editor I	$115.00/hr
Publications Specialist III	$105.00/hr
Publications Specialist II	$95.00/hr
Publications Specialist I	$85.00/hr
Clerical Administration	$90.00/hr

Forensic Engineering – Court appearances, depositions, and interrogatories as expert witness will be billed at 2.00 times normal rates.
Emergency and Holidays – Minimum charge of two hours will be billed at 1.75 times the normal rate.
Material and Outside Services – Subcontractors, rental of special equipment, special reproductions and blueprinting, outside data processing and computer services, etc., are charged at 1.15 times the direct cost.
Travel Expenses – Mileage at current IRS allowable rates. Per diem where overnight stay is involved is charged at cost
Invoices, Late Charges – All fees will be billed to Client monthly and shall be due and payable upon receipt. Invoices are delinquent if not paid within 30 days from the date of the invoice. Client agrees to pay a monthly late charge equal to 1% per month of the outstanding balance until paid in full.
Annual Increases – Unless identified otherwise, these standard rates will increase 3% annually.

The rates listed above assume prevailing wage rates does not apply. If this assumption is incorrect Dudek reserves the right to adjust its rates accordingly.

DUDEK

Effective January 1, 2021

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2021 CHARGE RATE SCHEDULE

Technical Services

Engineering Aide/Planning Aide	$80/hour
Project Assistant	$90/hour
Project Administrator	$100/hour
CADD Technician I	$105/hour
CADD Technician II	$125/hour
CADD Technician III	$140/hour
Sr. CADD Technician/Designer	$155/hour
Design Supervisor	$165/hour
GIS Technician I	$100/hour
GIS Technician II	$125/hour
GIS Analyst	$155/hour
Senior GIS Analyst	$180/hour

Environmental Consulting Technical Services

Senior Principal	$250/hour
Principal	$230/hour
Senior III	$195/hour
Senior II	$185/hour
Senior I	$175/hour
Staff III	$165/hour
Staff II	$160/hour
Staff I	$150/hour
Associate III	$140/hour
Associate II	$130/hour
Associate I	$120/hour
Specialist III	$100/hour
Specialist II	$90/hour
Specialist I	$75/hour
Project Analyst III	$195/hour
Project Analysist II	$110/hour
Administrative I	$70/hour
Intern	$65/hour

Field Survey

1-Person Survey Crew (GPS) (Robotic)	$150/hour
1-Person Survey Crew	$220/hour
2-Person Survey Crew	$310/hour
3-Person Survey Crew	$352/hour
1-Person Survey Crew*	$163/hour
2-Person Survey Crew*	$282/hour
3-Person Survey Crew*	$352/hour

* Field rates are based on "Prevailing Wage" as determination by the Department of Industrial Relations (DIR). Rates are effective through December 31, 2022. If contract assignment extends beyond that date, a new rate schedule will be added to the contract. Litigation support will be billed at $500.00 per hour.

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Geospatial Services

Technician	$76/hour
Technical Specialist	$98/hour
Technical Expert	$155/hour
Pilot	$115/hour
Associate Team Leader	$110/hour
Field Manager	$145/hour
Project Manager	$130/hour
Account Manager	$235/hour
Director	$255/hour

Professional

Junior Engineer / Planner / Scientist / Surveyor	$125/hour
Assistant Engineer / Planner / Scientist / Surveyor	$145/hour
Associate Engineer / Planner / Scientist / Surveyor	$155/hour
Senior Engineer / Planner / Scientist / Surveyor	$175/hour
Project Manager	$200/hour
Senior Project Manager	$225/hour
Engineering Manager	$240/hour
Associate	$250/hour
Principal Engineer	$275/hour
Principal	$285/hour

Community Outreach

Principal	$285/hour
Strategic Advisor	$220/hour
Account Supervisor	$240/hour
Facilitator	$210/hour
Bilingual Outreach	$210/hour
Project Manager	$220/hour
Assistant Project Manager	$195/hour
Integrated Marketing Specialist	$160/hour
Media Relations Specialist	$145/hour
Stakeholder Outreach Specialist	$240/hour
Sr. Community Relations Specialist	$165/hour
Community Relations Specialist	$145/hour
Environmental Outreach Specialist	$145/hour
Project Coordinator	$125/hour
Sr. Graphic Designer	$175/hour
Graphic Designer	$135/hour
Videographer	$120/hour
Bilingual Translation	$85/hour
Administrative Support	$100/hour
Account Coordinator	$110/hour

Rate Setting

Rate Specialist	$180/hour
Rate Manager	$285/hour

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Dry Utility Work

Managing Principal	$240/hour
Technical Specialist/Expert	$215/hour
Senior Project Manager	$195/hour
Senior Engineer II	$175/hour
Project Manager III	$165/hour
Senior Designer	$170/hour
Senior Engineer I	$165/hour
Designer II	$155/hour
Construction Manager	$160/hour
Project Manager II	$165/hour
Designer I	$150/hour
Project Manager I	$140/hour
Project Engineer II	$135/hour
Project Engineer I	$125/hour
Project Coordinator II	$130/hour
Project Coordinator I	$110/hour
CADD Technician III/Senior CADD Technician	$125/hour
CADD Technician II	$115/hour
CADD Technician I	$100/hour
Administrative Aid/Clerical	$100/hour
O'Calc Senior Designer	$160/hour
O'Calc Designer / Planner	$135/hour

Construction Management

Principal	$265/hour
Assistant Field Engineer (Non Prevailing Wage)	$130/hour
Associate Field Engineer (Non Prevailing Wage)	$155/hour
Senior Field Engineer (Non Prevailing Wage)	$170/hour
Resident Engineer (Licensed)	$190/hour
Construction Manager (Non-Licensed)	$190/hour
Inspector (Prevailing Wage)*	$155.00 - $187/hour
Electrical/Signal Inspector (Prevailing Wage)*	$180/hour
Construction Administrator	$110/hour

* Field rates are based on "Prevailing Wage" as determination by the Department of Industrial Relations (DIR). Rates are effective through December 31, 2021. If contract assignment extends beyond that date, a new rate schedule will be added to the contract.

EXPENSES:

Plotting and In-House Reproduction	1.10 x Cost
Subsistence	1.10 x Cost
Other Expenses - Including Subconsultants & Purchased Services through Subcontracts	1.10 x Cost
GIS Web Hosting	1.10 x Cost

Mileage - Outside Local Area	Per Accepted IRS Rate

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TASK DESCRIPTION			LABOR CODE/STAFF HOURS												TOTALS		
Phase	Task	Task/Sub	osap JA	osmp DB	osstp DS	ossp PR	ostsp AG	ostsp EB	osct3 SD	oseep PS	- -	- -	- -	- -	HOURS	FEE	%
1.00		**Project Management**															
	1.1	Prepare & Maintain Schedule		8											8	$1,600	0.86%
	1.2	Prepare Progress Reports	2			6									8	$1,550	0.83%
	1.3	Coordination with Project Team	8												8	$2,000	1.07%
	1.4	Monitor & Control Budget	4												4	$1,000	0.54%
	1.5	Meetings w/ City, RCFC, EMWD	12			12									24	$5,100	2.73%
	1.6	Prepare Agendas & Minutes	6			6									12	$2,550	1.36%
	1.7	Maintain Correspondence File	2			6									8	$1,550	0.83%
	1.8	Review & Approve Invoices	4												4	$1,000	0.54%
	1.9	QA/QC Submittals	8												8	$2,000	1.07%
		subtotal													***84***	***$18,350***	
2.00		**Data Gathering**															
	2.1	Surveying Services													0	$7,555	4.04%
	2.2	Obtain As-Built Drawings				2									2	$350	0.19%
		subtotal													***2***	***$7,905***	
3.00		**Preliminary Layout Exhibit**															
	3.1	Prepare Preliminary Layout Exhibi	4	12		30									46	$8,650	4.63%
	3.2	Prepare Preliminary Detour Altern	2	4		24									30	$5,500	2.94%
		subtotal													***76***	***$14,150***	
4.00		**Additional Environmental Permit Support**															
	4.1	Addendum to the MND													0	$15,950	8.54%
	4.2	Update to the Cultural Resources Study													0	$9,515	5.09%
		Subtotal													***0***	***$25,465***	
5.00		**Geotechnical Services**															
	5.1	Review/Validate Wall Recommendations													0	$2,600	1.39%
		Subtotal													***0***	***$2,600***	
		Continued															
			osap	osmp	osstp	ossp	ostsp	ostsp	osct3	oseep	-	-	-	-		PAGE TOTALS	
TOTAL - THIS PAGE			52	24	0	86	0	0	0	0	0	0	0	0	**162**	**$68,470**	**36.64%**
TOTAL - ALL PAGES			118	32	136	340	8	24	132	3	0	0	0	0	**793**	**$186,874**	**100.00%**

Bradley Road Trail Modification, 226815-00044

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TASK DESCRIPTION			LABOR CODE/STAFF HOURS												TOTALS		
Phase	Task	Task/Sub	osap JA	osmp DB	osstp DS	ossp PR	ostsp AG	ostsp EB	osct3 SD	oseep PS	- -	- -	- -	- -	HOURS	FEE	%
		Continued														$0	0.00%
6.00		**Revise PS&E**															
	6.1	Revise Roadway Plans; Add Demo Plans		8		80									88	$15,600	8.35%
	6.2	Revise Bridge Plans; Add Walls	4		30				48						82	$13,036	6.98%
	6.3	Revise Electrical Plans													0	$8,125	4.35%
	6.4	Revise Technical Specifications	4			16									20	$3,800	2.03%
	6.5	Revise Engineer's Estimate	1		4	16	8		8						37	$5,866	3.14%
	6.6	Plot & Sign Final Mylars	1		2	2			4						9	$1,508	0.81%
	6.7	Update the Transportation Guidance Project						24		3					27	$3,465	1.85%
		Subtotal													***263***	***$51,400***	
7.00		**Bidding & Construction Support**															
	1	Pre-Bid Conference	5			5									10	$2,125	1.14%
	2	Respond to Inquiries	4		8	12									24	$4,620	2.47%
		Prepare Addenda to Plans			8	16			32						56	$8,544	4.57%
		Provide Clarifications to Plans & S	4		8	16									28	$5,320	2.85%
	3	Evaluate and Rank Bids	2			8									10	$1,900	1.02%
	4	Pre-Construction Conference	5			5									10	$2,125	1.14%
		Assist RE w/ Interpretation of Plar	2		8	16									26	$4,820	2.58%
		Produce 4-Scale Drawing			2				16						18	$2,492	1.33%
		Attend Site Meetings (6 max.)	24			24									48	$10,200	5.46%
		Review Contractor's Schedule	2		4	4									10	$1,960	1.05%
		Review Shop Drawings & RFI's	2		32	16									50	$9,380	5.02%
		Review Change Order Requests	4			8									12	$2,400	1.28%
		Review Mix Designs & Agg. Gradings			2	2									4	$730	0.39%
		Review Excavation/Shoring Plans			8										8	$1,520	0.81%
		Review Falsework Submittal			16										16	$3,040	1.63%
	5	Prepare As-Built Plans	2		4	8			24						38	$5,828	3.12%
		subtotal													***368***	***$67,004***	
		Continued															
			osap	osmp	osstp	ossp	ostsp	ostsp	osct3	oseep	-	-	-	-		PAGE TOTALS	
TOTAL - THIS PAGE			66	8	136	254	8	24	132	3	0	0	0	0	**631**	**$118,404**	**63.36%**
TOTAL - ALL PAGES			118	32	136	340	8	24	132	3	0	0	0	0	**793**	**$186,874**	**100.00%**

Bradley Road Trail Modification, 226815-00044

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Direct Costs

DESCRIPTION			TOTALS			
Phase	Task	Type	Quantity	Unit	Unit Cost	Cost
1	1.5	Meetings - Total of 4	440	MILES	$0.57	$248.60
6	6.6	Submittals	66	PLOTS	$5.00	$330.00
7	1	Pre-Bid Conference	110	MILES	$0.57	$62.15
7	4	Pre-Construction Conference	110	MILES	$0.57	$62.15
7	4	Site Meetings - Total of 6	660	MILES	$0.57	$372.90
TOTAL						**$1,076**

Bradley Road Trail Modification, 226815-00044