CITY OF OCEANSIDE <u>AMENDMENT 3 TO</u> PROFESSIONAL SERVICES AGREEMENT

PROJECT: College Boulevard Widening (CIP20-00013)

THIS AMENDMENT TO PROFESSION.	AL SERVICES AGREEMENT
(hereinafter "Amendment"), dated	, for identification purposes, is
made and entered into by and between the CITY of	OF OCEANSIDE, a municipal
corporation, hereinafter designated as "CITY", an	d CR Associates ("CRA"), hereinafter
designated as "CONSULTANT."	

RECITALS

WHEREAS, City and Consultant are the parties to that certain Professional Services Agreement dated December 17, 2021, and Amendment 1 dated May 28, 2024, and Amendment 2 dated June 26, 2024, hereinafter referred to as the "Agreement", wherein Consultant agreed to provide certain services to the City as set forth therein;

WHEREAS, the parties desire to amend the Agreement to provide for changes and/or modifications to the compensation.

AMENDMENT

NOW, THEREFORE, the parties hereto do mutually agree that the Agreement shall be amended as follows:

- 1. Section 2. <u>TIMING REQUIREMENTS.</u> The contract period is to be extended for a revised contract end date of the 31st day of March, 2027.
- 2. Section 13.0, COMPENSATION, shall be amended by adding the following:

CONSULTANT'S compensation for additional design services performed in accordance with this Agreement based on scope of work and prices set forth in Exhibit "A", attached hereto and by this reference made part of this Agreement, shall not exceed \$1,561,720, for a new total agreement price not to exceed \$4,273,495.00.

No work shall be performed by the CONTRACTOR in excess of the total contract price without prior written approval of the CITY. CONTRACTOR shall obtain approval by the CITY prior to performing any work that results in incidental expenses to the CITY.

COLLEGE BOULEVARD WIDENING

3. Except as expressly set forth in this Amendment, the Agreement shall remain in full force and effect and is hereby ratified and reaffirmed.

SIGNATURES. The individuals executing this Amendment represent and warrant that they have the right, power, legal capacity and authority to enter into and to execute this Amendment on behalf of the respective legal entities of the CONSULTANT and the CITY.

IN WITNESS WHEREOF, the parties hereto being duly authorized on behalf of their respective entities to execute this Amendment, do hereby agree to the covenants contained in the Agreement, including this Amendment, and have caused this Amendment to be executed by setting hereunto their signatures on the dates set forth below.

CR Associates	CITY OF OCEANSIDE						
By: Phuong Nguyen, Vice President	By: Jonathan Borrego, City Manager						
Date:	Date:						
By: Name/Title Date:	APPROVED AS TO FORM:						
Employer ID No.	City Attorney						

NOTARY ACKNOWLEDGMENTS OF CONSULTANT MUST BE ATTACHED.



January 24, 2025

Maria Hernandez Project Manager

Re: City of Oceanside College Boulevard Widening Project Amendment #3

Dear Ms. Hernandez,

We thank you for your consideration of this amendment request to provide continued professional services to the City of Oceanside (the "Client") for the City of Oceanside College Boulevard Widening project "the Project".

Project Understanding

CR Associates ("CRA") and the City of Oceanside entered into a Professional Services Agreement (PSA) for the Project on December 17th, 2021 which will be amended to perform the following scope of services.

Through collaboration with City staff during the development of the draft and final typical cross sections, the design for the corridor is understood to now propose improvements between Marvin Street and Olive Drive (3,840 lineal feet). These improvements will include modification to the roadway medians, curb and gutter, parkways, sidewalks, storm drain system, street lighting, and traffic signal at Thunder Drive. Based on Section 1 – Scope of Work, and Exhibit A, of the approved PSA, improvements between Marvin Street and Olive Drive were not included in the original scope of the design services.

This amendment request has therefore been prepared to provide professional services for the proposed improvements within these amended project limits - College Boulevard between Marvin Street to Olive Drive. This amendment request will also provide for storm drain upgrades within the project limits, bike lane extension along Oceanside Blvd, additional right-of-way acquisition support, additional public outreach, analysis and design for a railroad pre-traffic signal, and support for the preparation of an addendum to the FEIR.

It is also understood that the project construction will be phased, with the first construction phase being the southerly segment between Warning Road and Marcella Street, and the second construction phase being the northerly segment between Marcella Street and Old Grove Road. Accordingly, the PS&E will be split into two separate packages. A roadway transitional section design will be incorporated into Phase 1 to transition the proposed Phase 1 improvements to existing conditions between Marcella Street and Olive Drive. No improvements to the Olive Drive intersection, or further north, will be shown in the Phase 1 PS&E package. It is assumed that the PS&E for both project phases will be prepared concurrently based on design standards and guidelines current as of January 1, 2025.

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Additional Scope of Services

Task 3 Construction Documents

CRA will prepare construction documents as described in the approved PSA.

Task 3.1 Construction Plans

It is anticipated the additional Construction Plans to depict the improvements proposed within the amended project limits and the Phase 1 transition will consist of the following sheets. It is also understood the Construction Plans will be split into two distinct plan sets.

- Detail Sheets: (2 Sheets)
- Typical Cross Section Sheets: (1 Sheet)
- Demolition Plan: 1" = 20' Scale, (9 Sheets)
- Horizontal Control Plan: 1" = 20' Scale (9 Sheets)
- Roadway Plan and Profile: 1" = 20' Scale (16 Sheets)
- Precise Grading Plan: 1" = 5' Scale (20 Sheets)
- Retaining Wall Plan and Profile: 1" = 20' Scale (4 Sheets)
- Utility Relocation Plan: 1" = 20' Scale (9 Sheets)
- Traffic Signal Plan: 1" = 20' Scale (1 Sheet)
- Signage and Striping Plan: 1" = 40' Scale (5 Sheets)
- Electrical & Lighting Plan: 1" = 40' Scale (4 Sheets)
- Storm Drain and BMP Plan: 1" = 20' Scale (9 Sheets)
- Temporary Water Pollution Control Plan: 1" = 40' Scale (4 Sheets)
- Landscape and Irrigation Plan: 1" = 20' Scale (6 Sheets)

Assumptions related to the eastbound travel lane modifications along Oceanside Blvd:

- The basis of the design is the Alternative 2 Concept Plan as approved by City staff on 7/9/24.
- Modification to the existing curb and gutter will occur only at the eastern-most commercial driveway curb return.
- No modifications to the existing center roadway medians along Oceanside Blvd will occur.
- No modifications to the existing westbound travel lanes along Oceanside Blvd will occur.

Deliverables: 60%, 90%, 100% Plans (.pdf)

Task 3.2 Hydrology and Hydraulics Report

In accordance with the City's Engineering Design Manual, CRA will perform 100-year rational method hydrologic calculations for the ultimate (Phase 1 + Phase 2) improvements proposed between Marvin Street and Olive Drive to demonstrate that the proposed improvements will not result in a significant increase in peak flow to the existing storm drain systems. It is assumed that analysis of existing storm drain systems beyond the limits of the proposed hard improvements will be not required and that the findings of the analysis will be incorporated into the Hydrology and Hydraulics Report described in the approved PSA.

It is assumed that one Hydrology and Hydraulics Report will be produced to cover both project phases. No separate reporting or calculations related to project phasing are assumed warranted.



The approved PSA includes analysis to support the upsize of storm drain LAC-149 as identified in the FEIR and the City's 2013 Master Plan of Drainage. Based on subsequent coordination with City staff, several other existing facilities will be analyzed for upgrades.

- LAC-150 (+/- 200 LF) Adjacent to LAC-149. Anticipated upsize from 36" to 42". Hydraulic analysis will be performed jointly with LAC-149.
- BVC-264 (+/- 130 LF) Recommended for upsize from 42" to 48". This segment conveys significant off-site flow, which will not be included as part of the analysis. An open channel Manning's hydraulic calculation will be performed using flow rates from the City's Master Plan of Drainage to generally assess the recommended sizing. The performance of the new pipe segment will be influenced by the hydraulics of the existing downstream system which is not included in the scope of this project.
- BVC-282 and BVC-283 Will not be analyzed or upgraded as part of this project.
- Marvin Street System Several pipe segments were identified as deficient in the City's Master Plan of Drainage as well as the subsequent Supplemental Modeling Calculations. In the Master Plan upgrades are recommended for the existing pipes in College Blvd and the main backbone system in Marvin Street and Cameo Drive. This scope of work only includes analysis and upgrade of pipes within College Blvd and at the College/Marvin intersection. Hydraulic analysis will use the soffit of the existing pipe as the starting hydraulic grade line based on the assumption that the City will ultimately upsize the remainder of the downstream system. It is critical to note that the hydraulic benefits of the proposed pipes will not be realized until the downstream pipe systems are also upsized. Until that happens, the proposed improvements will not result in any appreciable improvement to the drainage in the area. Significant ponding may still occur, particularly at the low point at the intersection of College/Marvin.

Deliverables: Draft and Final Hydrology and Hydraulics Report (.pdf)

Task 3.3 Standard Project Storm Water Quality Management Plan (SWQMP)

CRA will incorporate the ultimate (Phase 1 + Phase 2) improvements proposed between Marvin Street and Olive Drive into the Standard SWQMP as described in the approved PSA. Per the FEIR, the Project will be classified as Priority Development Project (PDP) Green Street Exempt; through the incorporation, to the extent feasible, of the green street elements as described in the FEIR.

It is assumed that one Standard SWQMP will be produced to cover both project phases. No separate reporting or calculations related to project phasing are assumed warranted.

Deliverables: Draft and Final Standard Project SWQMP (.pdf)

Task 3.4 Opinion of Probable Construction Cost (OPCC)

CRA will incorporate the improvements proposed within the amended project limits into the 60%, 90%, and 100% (mylar) OPCCs as described in the approved PSA.

CRA will prepare separate OPCCs, one for Phase 1, and one for and Phase 2.

Deliverables: 60%, 90%, and 100% OPCCs (.pdf)



Task 3.5 Technical Specifications

CRA will incorporate the improvements proposed within the amended project limits into the 90% and 100% technical specifications as described in the approved PSA.

CRA will prepare separate Technical Specification documents, one for Phase 1, and one for Phase 2.

Deliverables: 90%, 100% Technical Specifications (.doc)

Task 3.6 Right-of-Way Plan

CRA will incorporate up to five (5) additional partial acquisitions into the Draft and Final Right-of-Way Plan as described in the approved PSA.

Deliverables: Draft and Final Right-of-Way Plan (.pdf)

Task 3.7 Right-of-Way Acquisition Support

As described within the approved PSA, CRA will provide the City with right-of-way support services to secure right-of-way actions from affected property owners for up to five (5) additional partial acquisitions.

CRA will provide up to forty-two (42) appraisal reviews.

Additionally, CRA will provide Caltrans Right-of-Way Certification support for up to seventy-five (75) parcels.

It is assumed that the right-of-way acquisition for Phase 2 will occur concurrently with Phase 1.

Deliverables: Right-of-Way Maps, PTR's, Appraisal Summary Statements, Legal Descriptions and Plat Maps, Appraisal Reports, Waiver Valuations, and Appraisal Reviews (.pdf)

Task 3.8 NCTD Pre-Traffic Signal Analysis and Design (Optional Service)

<u>Task 3.8.1 - Microsimulation</u>

CRA will prepare a microsimulation to analyze the traffic conditions along College Blvd between Olive Drive and Aztec Street; specifically, as they pertain to queuing and the at-grade rail crossing. CRA will perform the following to prepare the microsimulation:

- Conduct one (1) field visit to collect readily visible field data:
 - o Signal timing, queuing observations, and driver behavior observations.
- Develop a microsimulation network (VISSIM) for College Blvd.
- Analyze the network developed within the microsimulation for up to three (3) scenarios:
 - o Existing Conditions, Buildout Conditions, and Buildout with Project Conditions.
- Identify traffic signal timing upgrades.
- Document the findings of the microsimulation results in a draft technical report.
- One (1) round of Agency review and updates is included within this Scope of Services.
- Finalize the technical report.
- Attend up to three (3) virtual meetings with City and/or CPUC staff.

Deliverables: Draft and Final Technical Report (.pdf)

Task 3.8.2 – Queue-Cutter Signal Design PS&E

If warranted, CRA will develop a queue-cutter traffic signal design at the rail grade crossing. The queue-cutter traffic signal design will be designed based on Caltrans and NCTD standards. The queue-cutter traffic signal design will be provided on the following sheets:



- Notes and Details: (1 Sheet)
- Queue-Cutter Traffic Signal Plan: 1" = 20' Scale (1 Sheet)
- Fiber Optic Railroad Communication Interconnect Plan: 1" = 40' Scale (1 Sheet)

The queue-cutter traffic signal design will be incorporated into the Phase 2 OPCC prepared under Task 3.4 and the Phase 2 Technical Special Provisions prepared under Task 3.5.

Based on the design, CRA will prepare railroad interconnection worksheets.

It is assumed that pre-emption signal timing calculation worksheets will not be required.

During the design phase for the queue-cutter traffic signal, CRA will meet virtually with Agency stakeholders and/or City staff on up to two (2) occasions and one (1) time in the field.

Deliverables: 60%, 90%, 100% Plans, and railroad interconnection worksheet (.pdf)

Task 3.9 Traffic Signal Experiment Support (Optional Service)

CRA will assist the City in preparing one (1) formal Request to Experiment for the California Traffic Control Devices Committee (CTCDC). It is anticipated that the one (1) Request to Experiment will be applicable to intersection approaches that contain either a thru/right-turn outside travel lane or a right-turn only lane. It is understood that the Request to Experiment will be applicable to only the nine (9) signalized intersections within the project limits.

It is anticipated that the Request to Experiment will request the experimental use of a flashing yellow bicycle signal face in conjunction with a flashing yellow right-turn arrow.

Per the latest edition of the 2014 CA-MUTCD (Revision 8), Section 4D.104(CA) - Optional Use of Bicycle Signal Faces, states that "Signal phasing shall be such that while bicycles are moving on a green or yellow bicycle indication, they are not in conflict with any simultaneous motor vehicle movements at the signalized location, including right (or left) turns on red". This standard for bicycle signals provides bicyclists with a fully protected movement, as it does not allow the bicycle signal phase to operate concurrently with vehicular traffic moving in the same direction unless turns are restricted. The request for experimental use of a flashing yellow bike indication in conjunction with a flashing yellow arrow has the following objectives:

- Allow bicyclists to legally enter the intersection outside the typical bicycle signal phase.
- Reduce concern of bicyclists not complying with a solid red bike indication when the vehicular and pedestrian phases in the same direction are legally allowed to enter the intersection.
- Improve overall operation at the signalized intersection.

Since this request for experimental use does not provide a fully protected movement for bicyclists during the flashing yellow phase, the request for experimentation is anticipated to also modify the vehicular indications moving in the same direction as the bicyclists. The vehicular signal proposed is a 4-section (Solid Red Ball, Solid Yellow Ball, Solid Green Ball, Flashing Yellow Right Arrow). In this setup, the vehicle signal head will display a solid green ball concurrently with a flashing yellow right arrow. This is intended to alert drivers who are making right turns to proceed with caution as pedestrians and bicyclists located on the right side of the road are crossing in parallel.

The experimentation request may also include modified static signs to supplement the request to experiment.



CRA will prepare a Draft Request to Experiment that will be submitted to the City for one (1) round of consolidated review and comment.

1. Initial Request to Experiment – CRA will revise the Draft Request to Experiment per comments received from the City, which are anticipated to be minor in nature and not alter the scope of the experiment request.

The Initial Request to Experiment will then be submitted to the CTCDC as a formal request to be reviewed during a CTCDC quarterly meeting. CRA will assist the City in presenting the Request to Experiment at this virtual meeting.

2. Final Request to Experiment – CRA will revise the Initial Request to Experiment per comments provided by the CTCDC, which are anticipated to be minor in nature and not alter the scope of the experiment request.

The Final Request to Experiment will be submitted to the CTCDC as a formal request to be reviewed during a CTCDC quarterly meeting. CRA will assist the City in presenting the Request to Experiment at this virtual meeting. It is anticipated that the CTCDC will generate no further comments during their review.

Deliverables: Draft Request to Experiment, Initial Request to Experiment, and Final Request to Experiment (.pdf)

Exclusions:

- It is assumed that the CTCDC quarterly meetings will not be held in person.
- Performance evaluation of the experimental control devices outlined in the Request to Experiment, including the preparation of Semi-Annual Reports to the CTCDC regarding the performance of the experimental control devices outlined in the Request to Experiment.
- The preparation of a Final Report to the CTCDC regarding the performance of the experimental control devices outlined in the Request to Experiment.

Task 4 Project Management, Meetings and Coordination

Task 4.1 Project Management

CRA will perform project management services as described in the approved PSA to support the additional project improvements and processes and a 6-month schedule extension.

CRA will prepare contracts for required Subconsultant services. This task will also consist of monitoring Subconsultant progress against budget and schedule and reviewing monthly Subconsultant invoices and associated back up.

CRA will coordinate regularly with the City's Project Manager on schedule and budget updates.

Deliverables: Meeting Agendas, Meeting Minutes, Action Item Tracker



Task 4.2 Coordination, Project Development Team (PDT) Meetings, and Administration

CRA will perform coordination and administration services for an additional 6 months. Also, CRA will attend an additional 4 virtual PDT meetings and 2 in-person PDT meetings.

Task 4.3 Schedule and Progress Report

CRA will prepare project schedule updates and monthly invoices with progress reports for an additional 6 months.

Task 4.4 Rail and Utility Meetings

The CRA team will coordinate and attend meetings with affected utility agencies for an additional 6 months.

- In-Person meetings (up to 2) Up to 2 hours each + travel time
- Virtual meetings (up to 6) Up to 0.5 hours each

Deliverables: Meeting Agendas, Meeting Minutes, Action Item Tracker (.pdf)

Task 4.7 Community Workshops and Outreach Summary

CRA will meet with select groups of homeowners to discuss the project. It is anticipated that up to five (5) small group in-person meetings will be held. It is anticipated that up to five (5) consultant staff will attend each small group meeting. In preparation of each meeting, the CRA team will prepare an exhibit based on the Final Concept Plan that focuses on the specific project area associated with each small group.

Additionally, CRA will assist the City in hosting up to two (2) in-person information public meetings during the final design phase. This assistance will provide for the development of a mailer (to be mailed by the City) for each event, preparation of presentation materials (anticipated to be materials prepared under other tasks) and have up to four (4) team members attend each meeting.

CRA will prepare up to six (6) photo simulation graphics to present at the public meetings.

Deliverables: Photo Simulations (.pdf)

Task 4.8 FEIR Addendum Support

It is understood that an addendum to the Final Environmental Impact Report (FEIR) is required. Based on the proposed project design modifications, the Scope of Services to prepare the addendum is as follows:

Task 4.8.1 – Air Quality / Greenhouse Gas

CRA will review the proposed design modifications to verify the impacts outlined in the FEIR remain valid. CRA will document the review and modifications or qualitative changes, as applicable, within the impacts section of the Addendum.

It is assumed that the impacts as presented in the FEIR will not require quantitative or significant revisions.

Deliverables: Air Quality / Greenhouse Gas section of the Addendum



Task 4.8.2 – Cultural Resources / Tribal Cultural Resources

During the development of the FEIR a California Historical Resources Information Systems records search was performed. This search did not identify any cultural resources within the project limits, including a 0.5-mile radius at the South Coastal Information Center (SCIC). As part of preparing the Addendum, CRA will perform an updated records search. It is assumed the direct fee to perform an updated search within the SCIC will not exceed \$1,600.

During the development of the FEIR a review of the California State Native American Heritage Commission's (NAHC) Sacred Lands File was performed. As part of preparing the Addendum, CRA will review the previously acquired Native American cultural information and compare it to the proposed design modifications.

CRA will review the results of the 2016 Assembly Bill (AB) 52 tribal consultation conducted by the City to assess whether the proposed project design modifications are in alignment with the mitigation measures developed as part of the FEIR. A summary of this review will be provided within the cultural resources section of the Addendum. It is assumed that all coordination and/or consultation with Native American tribes will be performed by the City.

Additionally, CRA will perform one (1) site visit to observe and compare the current archaeological conditions with those identified in 2016. No cultural resource evaluations will be conducted, nor will any artifacts be collected, during the site visit.

CRA will document the results of the cultural resources review in a memo-style format. The memo will provide a summary of the updated records search and site visit information. The memo will also compare the cultural resources results of the FEIR against the proposed design modifications to determine if the potential cultural resource impacts stemming from the proposed design modifications are in conformance with the mitigation measures developed within the FEIR. If the impacts stemming from the proposed design modifications are not in conformance with the FEIR's mitigation measures, CRA will provide recommendations for mitigation measure "clarifications" to address the discrepancies.

Deliverables: Cultural Resources section of the Addendum

Task 4.8.3 – Hydrology and Water Quality

CRA will summarize the results of the FEIR hydrology and water quality section and compare the proposed design modifications against CEQA Appendix G significance criteria. It is understood that the pervious ground created by the proposed design modifications is greater than the pervious ground assumed during the FEIR analysis. As a result, the Stormwater Quality and Hydrology Technical Report, included as Appendix H in the FEIR, will not be updated as part of the Addendum. Similarly, potential impacts related to water quality, groundwater supplies, groundwater recharge, and flooding are not expected to increase and will not be addressed within the Addendum.

Deliverables: Hydrology and Water Quality section of the Addendum



Task 4.8.4 – Hazards and Hazardous Materials

CRA will review the results of the FEIR and re-evaluate potential impacts due to updates/changes related to hazardous substances, sensitive receptors, and public safety plans; and identify potential environmental concerns related to the construction and/or operation of the proposed project. The re-evaluation will be based on the following sources:

- Federal, state, and local regulatory agency records per Government Code Section 65962.5 for sites
 within and adjacent to the proposed project site, including the Regional Water Quality Control
 Board's GeoTracker website, DTSC's EnviroStor website, and California Environmental Protection
 Agency's Regulated Site Portal
- Available environmental site assessment/investigation/remediation reports and relevant regulatory documents for the project site and nearby sites
- National Pipeline Mapping System for hazardous material pipelines
- California Geologic Energy Management Division database
- Local safety plans, emergency response plans, and wildland fire zones

The hazards and hazardous materials evaluation will also consider potential impacts to nearby airports and potential impacts to nearby school sites.

The Hazards and Hazardous Materials evaluation will be prepared in accordance with the CEQA Appendix G checklist questions. Impacts will be evaluated regarding the construction and operations components of the proposed project design modifications.

Deliverables: Hazardous Materials section of the Addendum

Task 4.8.5 – CEQA Addendum

Preparation of a CEQA Addendum (Section 15164) to the previously certified FEIR is understood to be the appropriate environmental documentation process to analyze and document the proposed design modifications to the College Boulevard Improvement Project. As prescribed in the CEQA Guidelines, an addendum does not require a circulated public review process. The updated analysis and documentation will be included as part of the project's administrative record and by reference attached to the FEIR. As such, CRA will provide a brief explanation of the decision not to prepare a subsequent EIR pursuant to Section 15162. This explanation will cross-reference the City's previously prepared and adopted findings on the project and supported by substantial evidence.

The following components will make up the body of the CEQA Addendum:

- Introduction (Chapter 1) and Project Description (Chapter 2)
- The completed Environmental Checklist and its associated analyses (Chapter 3), which conclude that the project would not result in any new significant environmental impacts or substantially



increase the severity of environmental impacts beyond the levels disclosed in the College Boulevard Improvement Project FEIR.

Once completed, it is anticipated that the draft Addendum will be forwarded, along with the previously certified FEIR, to the City for review. Up to one (1) round of consolidated review of the Draft Addendum will be addressed.

Deliverables: Draft and Final CEQA Addendum (.pdf)

Task 4.9 Grant Funding Application

CRA will prepare one (1) grant funding application for the project. It is anticipated that the program applied for will require an application similar in nature to that of a California Active Transportation Program or DOT RAISE application. It is anticipated that the previously prepared conceptual plan will be utilized as the supporting project graphic. It is understood that additional public outreach will not be performed as part of the grant application preparation.

Deliverables: Grant funding application

Task 5 Bid Support

Task 5.1 Phase 1 Bid Support

CRA will provide services during the Phase 1 bid phase as requested by the City to the extent budgeted. Services may include: attendance at a pre-bid meeting, responding to requests for information, and assisting the City in issuing bid addenda.

Task 5.2 Phase 2 Bid Support

CRA will provide services during the Phase 2 bid phase as requested by the City to the extent budgeted. Services may include: attendance at a pre-bid meeting, responding to requests for information, and assisting the City in issuing bid addenda.

It is assumed the Phase 2 Bid Support phase will occur within 2 years of the Phase 1 bid support phase.

Anticipated Project Schedule

We will provide our services as expeditiously as practicable to meet a mutually agreed upon schedule.

Additional Services

Any services not specifically described in the above scope, as well as any changes in the scope the Client requests, will be considered Additional Services and will be performed at our then-current hourly rates. Additional services we can provide include, but are not limited to, the following:

- Providing any other services not expressly included in this Scope of Services
- Additional community workshops and outreach events beyond those identified in this Scope of Services
- TCE acquisition support
- SWPPP or WPCP
- QSP services during construction



- Preparation of technical studies not included in this Scope of Services
- Hazardous and remediation services
- Environmental study preparation not included in this Scope of Services
- Meetings with agencies beyond those identified in this Scope of Services
- Payment of any agency fees
- Franchise utility design
- Wet utility design, beyond relocation of at-grade facilities
- Reclaimed water design and permitting
- Architectural design
- Traffic Control Plans
- Resource Agency coordination and permitting
- Pre-construction record of survey
- Construction survey staking
- Construction phase support
- Preparation of record drawings
- Post construction monument preservation

Fee and Billing

CRA will perform the scope of services outlined above in accordance with the payment method described in the approved PSA. Fees will be invoiced monthly based upon the percentage of services performed as of the invoice date.

	Principal	PM + Snr Prof	Prof I	Analyst II	Analyst I	Support							
	\$ 310	\$ 275	\$ 215	\$ 185	\$ 155	\$ 105	Aguirre	Epic	Peltz	Dudek	AARK	HDR	Total
Task 3.1 - Construction Plans													
Title Sheet													\$ -
Key Map and General Notes		4	4	8									\$ 3,44
Detail Sheets (2 Sheets)		5	10	5	5	5					\$ 18,000		\$ 23,75
Typical Cross Section Sheets (1 Sheet)		5	10	10	5	5							\$ 6,67
Demolition Plans (9 Sheets)		40	55	45	65	30	\$ 6,000						\$ 50,37
Horizontal Control Plans (9 Sheets)		40	55	40	60	30							\$ 42,67
Roadway Plan and Profile (16 Sheets)		90	105	115	95	35							\$ 87,00
Precise Grading Plans (20 Sheets)		80	150	90	145	25							\$ 96,00
Retaining Wall Plans (4 Sheets)		20	40	20	25	15							\$ 23,25
Utility Relocation Plans (9 Sheets)		45	65	75	70	25							\$ 53,70
Traffic Signal Plans (1 Sheet)		20	30	20	25	15							\$ 21,10
Signage and Striping Plans (5 Sheets)		15	35	30	30	25							\$ 24,47
Electrical and Lighting Plans (4 Sheets)		20	30	25	30	15							\$ 22,80
Storm Drain Plans (9 Sheets)		55	60	80	70	25							\$ 56,30
Temp Water Pollution Control Plans (4 Sheets)		10	25	25	15	15							\$ 16,65
Landscape and Irrigation Plans (6 Sheets)	5	10	10	10					\$ 43,200				\$ 51,50
Quality Control	30												\$ 9,30
Task 3.2 - H & H Report		30	40	40	45	15							\$ 32,80
Task 3.3 - SWQMP		12	0	20	10	10							\$ 9,60
Task 3.4 - OPCC		40	35	55	40	20			\$ 1,200				\$ 38,20
Task 3.5 - Special Provisions		35	20										\$ 13,92
Task 3.6 - R/W Plan	5	15	15	25	15								\$ 15,85
Task 3.7 - R/W Support	5	10	5	10			\$ 17,340	\$ 328,800					\$ 353,36
Task 3.8 - NCTD Queue-Cutter-Signal (Optional)	15	55	40	50	25	20						\$ 77,000	\$ 120,60
Task 3.9 - Traffic Signal Experiment Support (Optional)	25	40	40	25	25								\$ 35,85
Task 4.1 - Project Management	12	12				12							\$ 8,28
Task 4.2 - Coordination, Meetings, Administration	6	24	24	6									\$ 14,73
Task 4.3 - Schedule and Progress Report	2	6	4										\$ 3,13
Task 4.4 - Rail and Utility Meetings	4	4	4										\$ 3,20
Task 4.7 - Public Outreach	25	50	70	85	90	15		\$ 7,200	\$ 7,200				\$ 82,20
Task 4.8 - FEIR Addendum	10	10	10							\$ 56,575			\$ 64,57
Task 4.9 - Grant App	25	40	50	65	30	15							\$ 47,75
Task 5.1 - Bid Support Phase 1	5	40	40	40	40	35			\$ 10,000		\$ 3,000		\$ 51,42
Task 5.2 - Bid Support Phase 2	5	50	50	50	50	40			\$ 12,000		\$ 3,000	\$ 15,000	\$ 77,25
					_								
												Total	\$ 1,561,72