

**SUBMITTAL TO THE BOARD OF SUPERVISORS
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**



**ITEM: 3.58
(ID # 29351)**

MEETING DATE:
Tuesday, December 16, 2025

FROM : TLMA-TRANSPORTATION

SUBJECT: TRANSPORTATION AND LAND MANAGEMENT AGENCY/TRANSPORTATION:
Approval of Amendment No. 4 to the Engineering Services Agreement between the County of Riverside and HNTB Corporation for Grade Separation Improvements on Jurupa Road. District 2. [\$600,008 FY 25/26-28/29 Cost, \$12,380,733 Total Cost – Source of Funds: Riverside County Transportation Commission 100%]

RECOMMENDED MOTION: That the Board of Supervisors:

1. Approve Amendment No. 4 to the Engineering Services Agreement between the County of Riverside and HNTB Corporation for the Jurupa Road Grade Separation Project to extend the period of performance, modify the scope of services and increase the not-to-exceed amount by \$600,008; authorize the Chairman of the Board to execute the same.

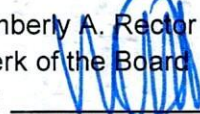
ACTION:Policy


Dennis Acuna, Director of Transportation 12/3/2025

MINUTES OF THE BOARD OF SUPERVISORS

On motion of Supervisor Spiegel, seconded by Supervisor Perez and duly carried, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Spiegel, Washington, Perez, and Gutierrez
Nays: None
Absent: Medina
Date: December 16, 2025
xc: Transp.

Kimberly A. Rector
Clerk of the Board
By: 
Deputy

**SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,
STATE OF CALIFORNIA**

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost
COST	\$ 275,008	\$250,000	\$600,008	\$ 0
NET COUNTY COST	\$ 0	\$ 0	\$ 0	\$ 0
SOURCE OF FUNDS: RCTC (100%). No General Funds will be used on this project.			Budget Adjustment:	No
			For Fiscal Year:	25/26 – 28/29

C.E.O. RECOMMENDATION: Approve

BACKGROUND:

Summary

The County of Riverside Transportation Department (County), in cooperation with the City of Jurupa Valley (City), desire to construct a new grade separation to replace the existing Union Pacific Railroad (UPRR) at-grade crossing located on Jurupa Road in the City, east of Van Buren Boulevard. Jurupa Road is a two-lane arterial highway that provides access to commercial, industrial and residential land uses in the City.

This proposed project will grade separate Jurupa Road and the UPRR mainline tracks with an underpass where it crosses the tracks. This improvement will expand vehicular traffic circulation and safety. The project will also provide uninterrupted and efficient access to motorists, residents, businesses, pedestrians and emergency vehicles in the area. Additionally, the project will enhance the operational characteristics such as speed, efficiency, and reliability of freight and passenger trains throughout the County by eliminating conflicts between railroad operations and vehicular traffic.

In April 2017, the Governor and State Legislators dedicated \$427 million to improve five major transportation projects in the County. The Jurupa Road grade separation project was allocated \$108.4 million for the design and construction of a new roadway and structure to grade separate Jurupa Road from the UPRR tracks. Without this approved funding, the project would not have been built for many years. These funds are being distributed through the Riverside County Transportation Commission (RCTC).

On October 24, 2017 (Minute Order 3.14), the Board of Supervisors approved an agreement between the County, the City and RCTC that designated the County as the lead agency to implement the Project.

On March 13, 2018 (Minute Order 3.18), the Board of Supervisors approved an Agreement between the County and HNTB Corporation for engineering and environmental services (Agreement). The Agreement provides the terms and conditions, scope of work, schedule and budget for the performance of professional and technical services necessary to obtain environmental clearance and prepare plans, specifications and estimates suitable for awarding a contract to construct the proposed grade separation.

**SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,
STATE OF CALIFORNIA**

The original scope and budget for the project were based on a roadway overpass of the UPRR corridor. However, during the project development phase, it was determined that an underpass would better meet the goals of the developing community and would minimize impacts to local businesses. As a result, the Jurupa Valley City Council approved the selection of a roadway underpass alternative. The underpass alternative required several additional features that affected the project design scope and budget.

On September 22, 2020 (Minute Order 3.16), the Board of Supervisors approved Amendment No.1 to the Agreement between the County and HNTB Corporation for engineering and environmental services to complete the additional services for the underpass alternative.

During the development of the plans for the underpass, UPRR has required that the County incorporate additional improvements to the UPRR facilities that were not scoped and budgeted in the original Agreement or in Amendment No.1. The additional improvements have resulted in additional submittals to UPRR for review that were not included with the original Agreement and Amendment No.1.

On March 29, 2022 (Minute Order 3.26), the Board of Supervisors approved Amendment No. 2 to the Agreement between the County and HNTB Corporation for engineering and environmental services to complete the additional services.

UPRR updated its requirements for constructing its facilities. These UPRR requirements were not included in the original Agreement, Amendment No. 1, and Amendment No. 2. For this reason, UPRR track plans had to be updated for incorporation of the new standards.

On February 28, 2023 (Minute Order 3.45), the Board of Supervisors approved Amendment No. 3 to the Agreement between the County and HNTB Corporation for engineering and environmental services to complete the additional services.

To accelerate the project schedule, UPRR asked HNTB to review and approve the support system for Van Buren Boulevard needed to construct the temporary tracks. Additionally, UPRR has requested design changes and reviews that were not anticipated. These requests for design changes, along with construction delays, were not included in the original agreement or in Amendments No. 1, No. 2, and No. 3.

This Amendment No. 4 provides the funding and contract extension to continue construction support through completion. This Amendment No. 4 will increase the funding as follows:

Original authorization	\$5,357,952
Authorized by Amendment No. 1	\$1,865,873
Authorized by Amendment No. 2	\$2,536,771
Authorized by Amendment No. 3	\$2,020,129

**SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,
STATE OF CALIFORNIA**

Authorized by Amendment No. 4
Total

\$600,008
\$12,380,733

Impact on Residents and Businesses

The Jurupa Road grade separation project will improve vehicular traffic circulation and safety and will provide uninterrupted and efficient access for motorists, residents, businesses, pedestrians, and emergency vehicles in the area. Additionally, the project will enhance the operational characteristics, such as speed, efficiency, and reliability of freight and passenger trains through the County by eliminating conflicts between railroad operations and vehicular traffic.

SUPPLEMENTAL:

Additional Fiscal Information

On April 6, 2017, the California Senate approved Senate Bill Number 132 (hereinafter "SB-132"), which added appropriation to the budget bill to provide \$427,172,000 for five major transportation projects. SB-132 includes provisions to provide \$108.4 million in funding for the construction of the Jurupa Road grade separation project. SB-132 funds for the project will be distributed through the RCTC.

Additionally, the project will be receiving \$60 million in Measure A Regional Arterial funding through RCTC. The City of Jurupa Valley will be 100% responsible for funding the portions of the project not covered by RCTC. No County funds will be used.

Contract History and Price Reasonableness

The Amendment No. 4 cost was negotiated and is consistent with industry standards.

Attachments:

Amendment No. 4
Vicinity Map


Crystal Carrillo, Senior Management Analyst 12/10/2025


Aaron Gettis, Chief of Deputy County Counsel 12/4/2025

AMENDMENT NO. 4

TO THE ENGINEERING SERVICES AGREEMENT

FOR JURUPA ROAD GRADE SEPARATION PROJECT

BETWEEN COUNTY OF RIVERSIDE • TRANSPORTATION DEPARTMENT AND HNTB CORPORATION

THIS AMENDMENT NO. 4 TO THE ENGINEERING SERVICES AGREEMENT FOR JURUPA ROAD GRADE SEPARATION PROJECT (hereinafter "Amendment No. 4") is made and entered into as of the 16 day of DEC, 2025, by and between the County of Riverside, a political subdivision of the State of California, (hereinafter the "COUNTY") and HNTB Corporation, a Delaware corporation, (hereinafter "ENGINEER").

RECITALS

- A. COUNTY and ENGINEER have entered into an agreement entitled "Engineering Services Agreement for Jurupa Road Grade Separation Project between County of Riverside • Transportation Department and HNTB Corporation" that is dated March 13, 2018 (hereinafter "Agreement"). The Agreement provides the terms and conditions, scope of work, schedule and budget for the performance of professional and technical services necessary to obtain environmental clearance and prepare plans, specifications and estimates suitable for awarding a contract to construct the proposed grade separation.
B. The original scope and budget for the project was based on a roadway overpass of the Union Pacific Railroad (UPRR) corridor. However, during the project development phase, it was determined that an underpass would better meet the goals of community development and would minimize impacts to the local businesses. As a result, the Jurupa Valley City Council approved the selection of a roadway underpass alternative. Amendment No. 1 to the Agreement (hereinafter "Amendment No. 1") was executed on September 22, 2020, by the COUNTY and ENGINEER to add several engineering and environmental tasks needed for the underpass alternative.
C. During the development of the plans for the underpass, UPRR required that the COUNTY incorporate additional improvements to the UPRR facilities that were not scoped and budgeted in the Agreement or in Amendment No. 1. Amendment No. 2 to the Agreement (hereinafter "Amendment No. 2") was executed on March 29, 2022, by the COUNTY and ENGINEER to add several engineering and environmental tasks needed to incorporate additional improvements to the UPRR facilities that were not scoped and budgeted in the Agreement, or Amendment No. 1.

WHEN DOCUMENT IS FULLY EXECUTED RETURN CLERK'S COPY

to Riverside County Clerk of the Board, Stop 1010 Post Office Box 1147, Riverside, Ca 92502-1147 Thank you.

D. As the project progressed, additional engineering and environmental tasks were required to incorporate UPRR’s improvements that were not anticipated in the scope and budget in the Agreement, Amendment No. 1, or Amendment No. 2. Amendment No. 3 to the Agreement (hereinafter “Amendment No. 3”) was executed on February 28, 2023, by the COUNTY and ENGINEER to add several engineering and environmental tasks needed to incorporate additional improvements to the UPRR facilities that were not scoped and budgeted in the Agreement, Amendment No. 1, or Amendment No. 2.

E. Delays in start of portions of construction and additional requests by the contractor for design changes require this Amendment No. 4 to extend the period of performance, modify the scope of services provided by the ENGINEER and increase the contract budget as well as consolidate unused portions of the budget for Phases I, II, and III as the work is complete.

F. This Amendment No. 4 provides additional funding to make the necessary revisions noted above. This Amendment No. 4 will increase the funding as follows:

Original authorization	\$5,357,952
Authorized by Amendment No. 1	\$1,865,873
Authorized by Amendment No. 2	\$2,536,771
Authorized by Amendment No. 3	\$2,020,129
<u>Authorized by Amendment No. 4</u>	<u>\$600,008</u>
Revised Total Authorized	\$12,380,733

AGREEMENT

NOW, THEREFORE, in consideration of the mutual covenants hereinafter contained, the parties agree as follows:

- Appendix A is amended to include the additional services as described in the attached Scope of Services entitled “AMENDMENT 4 • APPENDIX A4 • SCOPE OF SERVICES” attached hereto and incorporated herein.
- The second sentence of Appendix B • Article BI • Introduction is amended to extend the project completion date from December 31, 2025 to December 31, 2028, as follows: “All covenants set forth in this Agreement shall be completed by December 31, 2028, unless extended by supplemental agreement.”
- The Salary Rates in paragraph B of Appendix C • Article CII • Direct Salary Rates is hereby amended as follows:

"POSITION OR CLASSIFICATION MAXIMUM HOURLY RATES

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Project Manager	\$170.00	hour
DPM/Lead Civil	\$155.00	hour
Quality Manager	\$115.00	hour
Lead Traffic	\$165.00	hour
Technical Manager	\$140.00	hour
Technical Lead	\$100.00	hour
Sr. Project Engineer	\$85.00	hour
Project Engineer/Planner	\$75.00	Hour
Engineer/Planner III	\$60.00	Hour
Engineer II	\$56.00	hour
Engineer I	\$45.00	hour
CADD-Civil	\$51.00	hour
Project Analyst	\$51.00	hour
Administrative Assistant	\$36.00	hour
Lead Structures	\$165.00	hour
Structures Sr. Project Engineer	\$85.00	hour
Structures Project Engineer	\$70.00	hour
Structures Engineer III	\$60.00	hour
Structures Engineer II	\$56.00	hour
CADD-Structures	\$70.00	hour"

4. Article VI • Compensation and Appendix C • Article CV • Cost Proposal are amended to increase the contract not to exceed amount by \$600,008 for a total not to exceed amount of \$12,380,733 in accordance with the attached Fee Proposal entitled "AMENDMENT 4 • APPENDIX C4 • JURUPA ROAD GRADE SEPARATION AMENDMENT NO. 4 FEE PROPOSAL" attached hereto and incorporated herein.
5. Except to the extent specifically modified or amended hereunder, all of the terms, covenants and conditions of the Agreement, Amendment No. 1, Amendment No. 2, and Amendment No. 3 shall remain

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in full force and effect between the parties hereto.

6. This Amendment No. 4 shall become effective upon signature of this Amendment No. 4 by COUNTY and CONSULTANT.

7. This Amendment No. 4 may be executed in any number of counterparts, each of which shall be an original, but all of which together shall constitute one and the same instrument. Each party to this Amendment No. 4 agrees to the use of electronic signatures, such as digital signatures that meet the requirements of the California Uniform Electronic Transactions Act ("CUETA") Cal. Civ. Code §§ 1633.1 to 1633.17), for executing this Amendment No. 4. The parties further agree that the electronic signatures of the parties included in this Amendment No. 4 are intended to authenticate this writing and to have the same force and effect as manual signatures. Electronic signature means an electronic sound, symbol, or process attached to or logically associated with an electronic record and executed or adopted by a person with the intent to sign the electronic record pursuant to the CUETA as amended from time to time. The CUETA authorizes use of an electronic signature for transactions and contracts among parties in California, including a government agency. Digital signature means an electronic identifier, created by computer, intended by the party using it to have the same force and effect as the use of a manual signature, and shall be reasonably relied upon by the parties. For purposes of this section, a digital signature is a type of "electronic signature" as defined in subdivision (i) of Section 1633.2 of the Civil Code

IN WITNESS HEREOF, the parties hereto have caused this Amendment No. 4 to the Agreement to be duly executed this day and year first written above.

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SIGNATURE PAGE FOLLOWS]

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APPROVALS

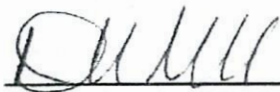
COUNTY OF RIVERSIDE

RECOMMENDED FOR APPROVAL:

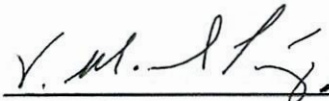
 Dated: _____
Dennis Acuna, Director of Transportation

APPROVED AS TO FORM:

Minh C. Tran, County Counsel

 Dated: _____
By Deputy

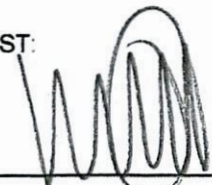
APPROVAL BY THE BOARD OF SUPERVISORS:

 Dated: DEC 16 2025

V. MANUEL PEREZ

Chairman, Riverside County Board of Supervisors

ATTEST:

 Dated: DEC 16 2025

KIMBERLY A. RECTOR

Clerk of the Board (Seal)

DEPUTY

CITY OF JURUPA VALLEY:

Rod B. Butler, City Manager

APPROVED AS TO FORM:

Peter M. Thorson, City Attorney

Dated: _____

ATTEST:

Dated: _____
Maria Morris, City Clerk



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APPROVALS

COUNTY Approvals

RECOMMENDED FOR APPROVAL:

_____ Dated: _____

Dennis Acuna
Director of Transportation

APPROVED AS TO FORM:

County Counsel

_____ Dated: _____

Danielle Maland
Deputy County Counsel

APPROVAL BY THE BOARD OF SUPERVISORS

_____ Dated: _____

V. MANUEL PEREZ
PRINTED NAME
Chairman, Riverside County Board of Supervisors

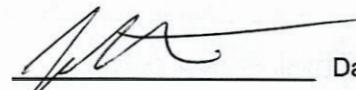
ATTEST:

_____ Dated: _____

KIMBERLY RECTOR
Clerk of the Board (SEAL)

ENGINEER Approvals

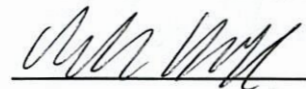
ENGINEER:

 Dated: 10/16/25

Jeff Watson
PRINTED NAME

Division President / Sr. Vice President
TITLE

ENGINEER:

 Dated: 10/16/25

Adam Dayhoff
PRINTED NAME

Project Manager / Vice President
TITLE

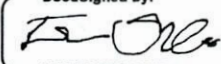
CERTIFICATE OF AUTHORITY

AND

POWER OF ATTORNEY

The undersigned, Vice President of HNTB Corporation, a Delaware corporation, (the "Corporation") hereby certifies that ADAM W. DAYHOFF has been authorized by the Board of Directors of the Corporation, commencing as of the date hereof, to enter into agreements and contracts for usual and customary architectural, engineering, planning, and management professional services, and to incur ordinary and necessary obligations in connection therewith, in the name of and on behalf of the Corporation, and the Corporation shall be bound thereby. The Corporation hereby ratifies and confirms any action taken by such individual pursuant to this certificate. Such authority shall expire as of May 31, 2026.

Date: May 31, 2025

DocuSigned by:

By: _____
5C05C82D688B474
Thomas D. O'Grady

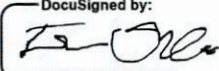
CERTIFICATE OF AUTHORITY

AND

POWER OF ATTORNEY

The undersigned, Vice President of HNTB Corporation, a Delaware corporation, (the "Corporation") hereby certifies that ROBERT J. WATSON has been authorized by the Board of Directors of the Corporation, commencing as of the date hereof, to enter into agreements and contracts for usual and customary architectural, engineering, planning, and management professional services, and to incur ordinary and necessary obligations in connection therewith, in the name of and on behalf of the Corporation, and the Corporation shall be bound thereby. The Corporation hereby ratifies and confirms any action taken by such individual pursuant to this certificate. Such authority shall expire as of May 31, 2026.

Date: May 31, 2025

DocuSigned by:

By: _____
5C05C82D6B8B474
Thomas D. O'Grady

AMENDMENT 4 • APPENDIX A4 • SCOPE OF SERVICES

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APPENDIX A • ARTICLE AI • INTRODUCTION

As of the execution of this Amendment No. 4, all budget not expended for tasks noted below in Phase I, II, and III are consolidated under Phase II and Phase IV. This consolidation supports additional design modifications made, and supports future Phase IV activities. If the COUNTY deems portions of a scope already completed do not follow applicable standards, ENGINEER will correct the deficiencies at their own expense.

A. PROJECT DESCRIPTION

No Change. See Agreement and Amendment No. 1.

B. LOCATION

No Change. See Agreement.

C. COORDINATION

No Change. See Agreement.

D. PHASES

No Change. See Agreement.

E. STANDARDS

No Change. See Agreement.

F. KEY PERSONNEL

The Key Personnel for the performance of this PROJECT have been revised as follows:

- Adam Dayhoff, Project Manager
- Shannon Willits, Deputy Project Manager, Lead Civil
- Nien Wang, Lead Structures
- Steve Greene, Lead Traffic
- Kelly Lumen, Third Party Coordination
- Julie Beeman, Environmental

ARTICLE AII • PROJECT ADMINISTRATION

A. PROJECT MANAGEMENT PLAN

ENGINEER will implement and monitor the Project Management Plan (PMP) through December 31, 2028

Engineering Services Agreement • Scope of Services • Amendment No. 4

1 due to the unanticipated reviews and submittals required by UPRR.

2 **B. QUALITY CONTROL PLAN**

3 ENGINEER will implement and monitor the Quality Control Plan through December 31, 2028 due to the
4 unanticipated reviews and submittals required by UPRR.

5 **C. BUDGETING**

6 ENGINEER will implement and monitor the Budgeting through December 31, 2028 due to the
7 unanticipated reviews and submittals required by UPRR.

8 **D. COST ACCOUNTING**

9 ENGINEER will implement and monitor the Cost Accounting through December 31, 2028 due to the
10 unanticipated reviews and submittals required by UPRR.

11 **E. SCHEDULING**

12 ENGINEER will monitor and update the schedule for the project through December 31, 2028 due to the
13 unanticipated reviews and submittals required by UPRR.

14 **F. CONTRACT ADMINISTRATION AND MEETINGS**

15 1. Project Management and Administration

16 Additional time for project management is required by the ENGINEER through December 31, 2028 for
17 the continuing design efforts related to gaining approval of UPRR's track and structure plans.

18 2. Project Meetings

19 ENGINEER will attend additional monthly PDT meetings for resolution of issues and to apprise the
20 participating agencies of the progress of the PROJECT. The ENGINEER shall attend up to 30
21 additional meetings for agency coordination and project coordination.

22 If additional meetings are needed due to the quality and inaccuracy of the ENGINEER's submittals,
23 then the additional meetings shall be scheduled and conducted by the ENGINEER. Any costs incurred
24 by the ENGINEER for these meetings shall be at the expense of the ENGINEER.

25 **G. CONTRACT DELIVERABLES**

26 No Change. See Agreement, Amendment No. 2 and Amendment No. 3.

27 **H. OUTREACH**

28 Engineering Services Agreement • Scope of Services • Amendment No. 4

1 No Change. See Agreement.

2 **I. UNION PACIFIC PAYMENTS**

3 No Change. See Amendment No. 1.

4 **ARTICLE AIII • PLANNING AND PROJECT DEVELOPMENT**

5 **A. RESEARCH AND DATA GATHERING**

6 No Change. See Agreement.

7 **B. PERMITS**

8 No Change. See Agreement and Amendment No. 3.

9 **C. DESIGN SURVEYS**

10 No Change. See Agreement.

11 **D. PRELIMINARY GEOTECHNICAL INVESTIGATIONS**

12 **1. Preliminary Foundation Report**

13 No Change. See Agreement.

14 **2. Phase 1 Environmental Site Assessment**

15 No Change. See Agreement.

16 **3. Aerially Deposited Lead (ADL) Survey**

17 No Change. See Agreement.

18 **4. Phase II Environmental Site Assessment**

19 No Change. See Amendment No. 1.

20 Task 1 – Commercial Structure Investigation / Former Agricultural Use

21 No Change. See Amendment No. 1.

22 Task 2 – Soil Disposal Profiling

23 No Change. See Amendment No. 1.

24 Task 3 – Lead and Asbestos Survey

25 No Change. See Amendment No. 1.

26 **5. Bly Channel Geotechnical Investigation**

27 Task 1 – Field Preparation and Permit

1 No Change. See Amendment No. 1.

2 Task 2 – Field Exploration Program

3 No Change. See Amendment No. 1.

4 Task 3 – Laboratory Testing

5 No Change. See Amendment No. 1.

6 Task 4 – Geotechnical Analyses and Project Management

7 No Change. See Amendment No. 1.

8 Task 5 –Report Preparation/Deliverables

9 No Change. See Amendment No. 1.

10 **E. PLANNING STUDIES**

11 No Change. See Agreement and Amendment No. 1.

12 **F. VISUAL AIDS**

13 No Change. See Agreement.

14 **G. ENVIRONMENTAL DETERMINATION AND ENVIRONMENTAL ISSUES**

15 I. Process extension of the 404 and 401 permits

16 No Change. See Amendment No. 2.

17 II. Update PD/Limits in the Southern area of the current limits to accommodate UPRR's preferred signal
18 pad location.

19 No Change. See Amendment No. 2.

20 **1. Water Quality and Erosion**

21 No Change. See Agreement.

22 **2. Floodplain**

23 No Change. See Agreement and Amendment No. 3.

24 **3. Noise Study Report (NSR)**

25 No Change. See Agreement.

26 **4. Cultural Resources Report**

27 No Change. See Amendment No. 2.

1 **5. Community Impact Assessment Memorandum**

2 No Change. See Agreement.

3 **6. Preparation and Processing of Regulatory Permits**

4 No Change. See Amendment No. 2.

5 **7. Preparation and Processing of MSHCP Consistency Determination and DBESP**

6 No Change. See Amendment No. 2.

7 **H. PRELIMINARY ENGINEERING REPORT**

8 No Change. See Agreement.

9 **I. GEOMETRIC APPROVAL DRAWINGS**

10 No Change. See Agreement.

11 **J. DESIGN DRAINAGE REPORT**

12 No Change. See Agreement and Amendment No. 3.

13 **K. GEOTECHNICAL DESIGN REPORT**

14 No Change. See Agreement and Amendment No. 3.

15 **L. RIGHT-OF-WAY MAPS**

16 No Change. See Agreement and Amendment No. 3.

17 **M. AGREEMENTS**

18 No Change. See Agreement.

19 **N. UTILITY COORDINATION**

20 No Changes. See Amendment No. 2.

21 **O. MISCELLANEOUS DESIGN SUPPORT**

22 **1. Design Exceptions**

23 No Changes. See Amendment No. 2.

24 **2. Traffic Management Plan**

25 No Change. See Agreement.

26 **3. Track Design**

27 No Change. See Amendment No. 2.

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Task 1: Project Meetings

No Change. See Amendment No. 3.

Task 2: UPRR Design

No Change. See Amendment No. 3.

4. Pump Station Design

No Change. See Amendment No.1.

5. Rutile Street Crossing Plans Package and CPUC GO-88 Application

No Change. See Agreement and Amendment No. 3.

6. Jurupa Grade Separation CPUC GO-88 Application

No Change. See Agreement and Amendment No. 3.

ARTICLE AIV • STRUCTURES

Sections A thru I - roadway bridge over roadway. Section J - UPRR bridge over roadway.

A. STRUCTURE TYPE SELECTION AND BRIDGE GENERAL PLANS

No Change. See Agreement and Amendment No. 1.

B. GEOTECHNICAL COORDINATION AND FOUNDATION REPORT

No Change. See Amendment No.2

C. STRUCTURAL DESIGN AND CALCULATIONS

No Change. See Amendment No. 2

D. INDEPENDENT CHECK REVIEW AND QUALITY CONTROL

No Change. See Amendment No.2

E. STRUCTURE SPECIFICATIONS & ESTIMATES

No Change. See Amendment No. 2

F. INITIAL STRUCTURE PS&E (65% UNCHECKED PLANS)

No Change. See Amendment No. 2

G. INTERMEDIATE STRUCTURE PS&E (90% CHECKED PLANS)

No Change. See Amendment No. 2

H. DRAFT FINAL STRUCTURE PS&E (95%)

1 No Change. See Agreement and Amendment No. 1

2 **I. FINAL STRUCTURE PS&E**

3 No Change. See Agreement and Amendment No. 1.

4 **J. UNION PACIFIC RAILROAD STRUCTURE PLAN SUBMITTAL AND APPROVAL PROCESS**

5 No Change. See Amendment No. 2 and Amendment No. 3.

6 **K. BOX CULVERT EXTENSION**

7 UPRR required re-design of the Retaining Wall/Headwall section to accommodate the loading and
8 positioning of the future track during the first 60% design submittal. The UPRR did not provide future track
9 locations since they had not designed the future track, however UPRR and HNTB came to agreement on
10 an assumed location and minimum distance from the headwall. The original headwall design with spread
11 footings did not meet the loading requirements and a new wall type was selected, one that sockets into
12 the bedrock. This new wall was a complete structural re-design (wall type change from spread footing to
13 deep foundation) which also included an additional boring that extended a minimum of 10' below tip
14 elevation of proposed CIDH piles supporting the headwall retaining wall.

15 If the COUNTY deems portions of a submittal do not follow applicable standards, ENGINEER will correct
16 the deficiencies in the submittal at their own expense.

17 The Engineer shall provide the following additional submittals for the culvert extension:

- 18 • 10% Submittal: two (2) reviews
- 19 • 30% Submittal: one (1) review
- 20 • 60% Submittal: three (3) reviews
- 21 • 100% Submittal: one (1) review

22 **ARTICLE AV • ROADWAY**

23 **A. BASIC ROADWAY PLANS**

24 No Change. See Agreement and Amendment No. 3.

25 **B. CALCULATIONS**

26 No Change. See Agreement and Amendment No. 3.

27 **C. DRAINAGE PLANS**

28 Engineering Services Agreement • Scope of Services • Amendment No. 4

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- 1. **Storm Drain Plans**
No Change. See Amendment No. 2
- 2. **Bly Channel Culvert Extension**
No Change. See Amendment No. 2.

D. TRAFFIC AND ELECTRICAL PLANS

No Change. See Agreement and Amendment No. 1.

E. MISCELLANEOUS PLANS

- 1. **Utility Composite Plans**
No Change. See Agreement and Amendment No. 1.
- 2. **Right-of-Way Requirements Plans**
No Change. See Agreement and Amendment No. 3.
- 3. **Track Plans**
No Change. See Agreement, Amendment No. 1 and Amendment No. 3.
- 4. **Retaining Wall Plans**
No Change. See Agreement and Amendment No. 1.
- 5. **Pump Station Plans**
No Change. See Agreement and Amendment No. 1.
- 6. **Parking Lot**
No Change. See Agreement and Amendment No. 3.

F. INTERMEDIATE REVIEWS

No Change. See Agreement and Amendment No. 1.

G. SPECIFICATIONS AND ESTIMATE

No Change. See Agreement and Amendment No. 3.

H. QUALITY CONTROL

No Change. See Amendment No. 3.

I. DRAFT PS&E (95% COMPLETE)

No Changes. See Amendment No. 2.

1 **J. FINAL PS&E (100% COMPLETE)**

2 No Changes. See Amendment No. 2.

3 **K. CONSTRUCTABILITY REVIEW**

4 No Change. See Agreement and Amendment No. 1.

5 **L. SCHEDULE OF SERVICES**

6 UPRR Track Submittals

7 No Change. See Amendment No. 3.

8 **ARTICLE AVI • CONSTRUCTION BIDDING PHASE**

9 No Change. See Amendment No. 2.

10 **ARTICLE AVII • CONSTRUCTION SUPPORT PHASE**

11 Additional funding for Design Services During Construction support is being added to the current level of
12 support from the ENGINEER. All provision included in Article AVII of the original Engineering Services
13 Agreement apply to this additional work. In addition, Design Services During Construction for Environmental
14 is added to the existing scope for Phase IV of the work according to the terms set forth in Article AVII in the
15 original Engineering Services Agreement.

16 **ARTICLE AVIII • COMPUTER FACILITIES**

17 **A. CALCULATIONS**

18 No Change. See Agreement.

19 **B. COMPUTER AIDED DRAFTING AND DESIGN (CADD)**

20 No Change. See Agreement.

21 **ARTICLE AIX • VALUE ENGINEERING**

22 No Change. See Agreement.

AMENDMENT 4 - APPENDIX C4 - JURUPA ROAD GRADE SEPERATION

October 14, 2025

AMENDMENT NO. 4 FEE PROPOSAL

COMPANIES	PHASE I	PHASE II	PHASE III	PHASE IV	Phase All Contengency	TOTAL
Original Budget + Amendment 1 + Amendment 2 + Amendment 3	\$ 3,345,054.96	\$ 6,520,870.59	\$ 187,327.16	\$ 1,527,471.45	\$ 200,000.00	\$ 11,780,724.16
AMENDMENT (No. 4)+ Contract Mod	\$ (101,031.01)	\$ 295,707.21	\$ 7,084.69	\$ 598,247.91	\$ (200,000.00)	\$ 600,008.81
HNTB Prime	\$ 4,634.11	\$ 297,440.53	\$ (8,231.17)	\$ 579,644.26	\$ (184,441.17)	\$ 689,046.56
Advanced Civil Technologies (ACT) Third Party Coord/Construction Staging	\$ (25.88)	\$ 2.52				\$ (23.36)
Arellano Associates Public Outreach						
Leighton Consulting Geotechnical & Haz Mat Phase I	\$ 1,123.10			\$ 8,955.77		\$ 10,078.86
LIN Consulting Traffic Engineering	\$ (1,247.59)	\$ (325.76)	\$ 15,315.86	\$ 3,550.67	\$ (15,558.83)	\$ 1,734.35
Safeprobe Potholing						
Tatsumi and Partners, Inc. Landscape Architecture		\$ (44.65)		\$ 16,097.22		\$ 16,052.57
Towill Right-of-Way Requirements Map	\$ (7,724.75)	\$ (1,365.43)				\$ (9,090.18)
Vandermost Consulting Services (VCS) Environmental Services	\$ (97,789.99)			\$ (10,000.00)		\$ (107,789.99)
TOTAL	\$ 3,244,023.95	\$ 6,816,577.80	\$ 194,411.85	\$ 2,125,719.36		\$ 12,380,732.96

- Phase I Preliminary Engineering & Environmental
- Phase II Plans, Specs & Estimates
- Phase III Bid Support
- Phase IV Construction Support

Jurupa Road Grade Separation Fee Proposal Summary

September 26, 2025

COMPANIES	PHASE I	PHASE II	PHASE III	PHASE IV	Phase All Contingency	TOTAL
HNTB Prime	\$ 4,634.11	\$ 297,440.53	\$ (8,231.17)	\$ 579,644.26	\$ (184,441.17)	\$ 689,046.56
Advanced Civil Technologies (ACT) Third Party Coord/Construction Staging	\$ (25.88)	\$ 2.52				\$ (23.36)
Arellano Associates Public Outreach						
Leighton Consulting Geotechnical & Haz Mat Phase I	\$ 1,123.10			\$ 8,955.77		\$ 10,078.86
LIN Consulting Traffic Engineering	\$ (1,247.59)	\$ (325.76)	\$ 15,315.86	\$ 3,550.67	\$ (15,558.83)	\$ 1,734.35
Safeprobe Potholing						
Tatsumi and Partners, Inc. Landscape Architecture		\$ (44.65)		\$ 16,097.22		\$ 16,052.57
Towill Right-of-Way Requirements Map	\$ (7,724.75)	\$ (1,365.43)				\$ (9,090.18)
Vandermost Consulting Services (VCS) Environmental Services	\$ (97,789.99)			\$ (10,000.00)		\$ (107,789.99)
TOTAL	\$ (101,031.01)	\$ 295,707.21	\$ 7,084.69	\$ 598,247.91	\$ (200,000.00)	\$ 600,008.81

- Phase I Preliminary Engineering & Environmental
- Phase II Plans, Specs & Estimates
- Phase III Bid Support
- Phase IV Construction Support

Jurupa Road Grade Separation Fee Proposal Summary

September 10 2025

COMPANIES	PHASE I	PHASE II	PHASE III	PHASE IV	Phase All Contingency	TOTAL
HNTB Prime	\$ 2,463,432.60	\$ 5,988,002.75	\$ 179,095.99	\$ 1,983,635.88		\$ 10,614,167.22
Advanced Civil Technologies (ACT) Third Party Coord/Construction Staging	\$ 21,602.38	\$ 155,345.20				\$ 176,947.58
Arellano Associates Public Outreach	\$ 35,176.74					\$ 35,176.74
Leighton Consulting Geotechnical & Haz Mat Phase I	\$ 252,539.01	\$ 27,971.60		\$ 18,978.01		\$ 299,488.62
AKM Consulting Engineers Pump Station Design		\$ 313,504.00				\$ 313,504.00
LIN Consulting Traffic Engineering	\$ 83,717.19	\$ 173,434.48	\$ 15,315.86	\$ 75,077.61		\$ 347,545.14
Safeprobe Potholing	\$ 51,743.28					\$ 51,743.28
Tatsumi and Partners, Inc. Landscape Architecture	\$ 30,074.21	\$ 88,020.22		\$ 48,027.86		\$ 166,122.29
Towill Right-of-Way Requirements Map	\$ 54,556.37	\$ 70,299.54				\$ 124,855.91
Vandermost Consulting Services (VCS) Environmental Services	\$ 251,182.18					\$ 251,182.18
TOTAL	\$ 3,244,023.95	\$ 6,816,577.80	\$ 194,411.85	\$ 2,125,719.36		\$ 12,380,732.96

- Phase I Preliminary Engineering & Environmental
- Phase II Plans, Specs & Estimates
- Phase III Bid Support
- Phase IV Construction Support

FEE PROPOSAL WORKSHEET

COMPANY: HNTB	SCOPE OF WORK: Project Summary	PHASE: All Phases
PROJECT: Jurupa Road Grade Separation		DATE: September 26, 2025

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Adam Dayhoff	Project Manager	55	@	\$170.00	\$9,350.00
Shannon Willits	DPM/Lead Civil	178	@	\$155.00	\$27,590.00
Kelly Lumen	Quality Manager	114	@	\$115.00	\$13,110.00
Steve Greene	Lead Traffic	4	@	\$165.00	\$660.00
	Technical Manager	377	@	\$140.00	\$52,780.00
	Technical Lead	195	@	\$100.00	\$19,500.00
	Sr. Project Engineer	438	@	\$85.00	\$37,230.00
	Project Engineer/Planner	332	@	\$75.00	\$24,900.00
	Engineer/Planner III	208	@	\$60.00	\$12,480.00
	Engineer II	429	@	\$56.00	\$24,024.00
	Engineer I	436	@	\$45.00	\$19,620.00
	CADD-Civil	550	@	\$51.00	\$28,050.00
	Project Analyst	144	@	\$51.00	\$7,344.00
	Administrative Assistant			\$36.00	
Nien Wang	Lead Structures	30	@	\$165.00	\$4,950.00
	Structures Sr. Project Engineer	160	@	\$85.00	\$13,600.00
	Structures Project Engineer	130	@	\$70.00	\$9,100.00
	Structures Engineer III	10	@	\$60.00	\$600.00
	Structures Engineer II	80	@	\$56.00	\$4,480.00
	CADD-Structures	218	@	\$70.00	\$15,260.00
TOTAL HOURS		4,088		TOTAL DIRECT LABOR	\$324,628.00

MULTIPLIERS

Adjustments for Actuals			\$4.02
OVERHEAD @	97.96%	(of Direct Labor + Escalation)	\$318,005.59
PAYROLL ADDITIVES @	48.27%	(of Direct Labor + Escalation)	\$156,697.94
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$79,933.55
TOTAL MULTIPLIERS			\$554,641.10

OTHER DIRECT COSTS

*** Billed at Actual Cost ***

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Travel/Mileage		MI	@ \$0.54	(\$872.27)
Traffic Counts		LS	\$18,000.00	
Printing, Plotting & Copies	1	LS	@ \$5,000.00	(\$2,115.97)
Exhibits, Plotting & Mounting	1	LS	@ \$2,500.00	(\$2,793.13)
Travel/Mileage		LS	@ \$2,100.00	
Consolidation Adjustment				
TOTAL ODC'S				(\$5,781.37)

SUB CONSULTANT SERVICES

COMPANY	Contract Mod Amounts	LABOR	MULTIPLIERS	ODC'S	TOTAL
Advanced Civil Technologies (ACT)				(\$23.36)	(\$23.36)
Arellano Associates					
Leighton Consulting		\$3,202.11	\$6,850.59	\$26.16	\$10,078.86
LIN Consulting		\$5,898.21	\$11,368.09	\$26.88	\$17,293.18
Safeprobe					
Tatsumi and Partners, Inc.		\$5,565.57	\$10,475.95	\$11.05	\$16,052.57
Towill		(\$3,263.14)	(\$5,827.04)		(\$9,090.18)
Vandermost Consulting Services (VCS)	(\$10,000.00)	(\$35,104.10)	(\$62,685.89)		(\$107,789.99)
TOTAL SUBCONSULTANT SERVICES					(\$73,478.92)
TOTAL					\$800,008.81

FEE PROPOSAL WORKSHEET

COMPANY: HNTB	SCOPE OF WORK: Preliminary Engineering & Environmental	PHASE: Phase I
PROJECT: Jurupa Road Grade Separation		DATE: September 26, 2025

DIRECT LABOR

PERSONNEL	POSITION	HOURS	RATE	AMOUNT
Adam Dayhoff	Project Manager	4	@ \$170.00	\$680.00
Shannon Willits	DPM/Lead Civil	5	@ \$155.00	\$775.00
Kelly Lumen	Quality Manager		\$115.00	
Steve Greene	Lead Traffic		\$165.00	
	Technical Manager		\$140.00	
	Technical Lead		\$100.00	
	Sr. Project Engineer		\$85.00	
	Project Engineer/Planner		\$75.00	
	Engineer/Planner III		\$60.00	
	Engineer II		\$56.00	
	Engineer I		\$45.00	
	CADD-Civil		\$51.00	
	Project Analyst	20	@ \$51.00	\$1,020.00
	Administrative Assistant		\$36.00	
Nien Wang	Lead Structures		\$165.00	
	Structures Sr. Project Engineer		\$85.00	
	Structures Project Engineer		\$70.00	
	Structures Engineer III		\$60.00	
	Structures Engineer II		\$56.00	
	CADD-Structures		\$70.00	
TOTAL HOURS		29	TOTAL DIRECT LABOR	\$2,475.00

MULTIPLIERS

Adjustments for Actuals			\$42.24
OVERHEAD @	97.96%	(of Direct Labor + Escalation)	\$2,424.51
PAYROLL ADDITIVES @	48.27%	(of Direct Labor + Escalation)	\$1,194.68
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$613.64
TOTAL MULTIPLIERS			\$4,275.08

OTHER DIRECT COSTS

*** Billed at Actual Cost ***

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Travel/Mileage		MI	\$0.54	
Traffic Counts		LS	\$18,000.00	
Printing, Plotting & Copies	1	LS @	(\$2,115.97)	(\$2,115.97)
Exhibits, Plotting & Mounting		LS	\$2,500.00	
TOTAL ODC'S				(\$2,115.97)

SUB CONSULTANT SERVICES

COMPANY	LABOR	MULTIPLIERS	ODC's	TOTAL
Advanced Civil Technologies (ACT)			(\$25.88)	(\$25.88)
Arellano Associates				
Leighton Consulting	\$349.41	\$747.53	\$26.16	\$1,123.10
LIN Consulting	(\$447.85)	(\$799.74)		(\$1,247.59)
Safeprobe				
Tatsumi and Partners, Inc.				
Towill	(\$2,772.99)	(\$4,951.76)		(\$7,724.75)
Vandermost Consulting Services (VCS)	(\$35,104.10)	(\$62,685.89)		(\$97,789.99)
TOTAL SUBCONSULTANT SERVICES				(\$105,665.11)
TOTAL				(\$101,031.01)

FEE PROPOSAL WORKSHEET

COMPANY: HNTB	SCOPE OF WORK: Plans, Specs & Estimates	PHASE: Phase II
PROJECT: Jurupa Road Grade Separation		DATE: September 26, 2025

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Adam Dayhoff	Project Manager	16	@	\$170.00	\$2,720.00
Shannon Willits	DPM/Lead Civil	60	@	\$155.00	\$9,300.00
Kelly Lumen	Quality Manager	60	@	\$115.00	\$6,900.00
Steve Greene	Lead Traffic			\$165.00	
	Technical Manager	250	@	\$140.00	\$35,000.00
	Technical Lead	97	@	\$100.00	\$9,700.00
	Sr. Project Engineer	228	@	\$85.00	\$19,380.00
	Project Engineer/Planner			\$75.00	
	Engineer/Planner III			\$60.00	
	Engineer II	189	@	\$56.00	\$10,584.00
	Engineer I	179	@	\$45.00	\$8,055.00
	CADD-Civil	180	@	\$51.00	\$9,180.00
	Project Analyst			\$51.00	
	Administrative Assistant			\$36.00	
Nien Wang	Lead Structures			\$165.00	
	Structures Sr. Project Engineer			\$85.00	
	Structures Project Engineer			\$70.00	
	Structures Engineer III			\$60.00	
	Structures Engineer II			\$56.00	
	CADD-Structures			\$70.00	
				\$300,233.66	
				\$ 4,526.45	\$ 301,966.98
		TOTAL HOURS	1,259	TOTAL DIRECT LABOR	\$110,819.00

MULTIPLIERS

Adjustments for Actuals	(of Direct Labor)	\$70.07
OVERHEAD @	97.96% (of Direct Labor + Escalation)	\$108,558.29
PAYROLL ADDITIVES @	48.27% (of Direct Labor + Escalation)	\$53,492.33
PROFIT (FIXED FEE) @	10.0% (of Direct Labor + Escalation + Overhead + Payroll Additives)	\$27,293.97
TOTAL MULTIPLIERS		\$189,414.66

OTHER DIRECT COSTS

*** Billed at Actual Cost ***

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Travel/Mileage		MI	\$0.54	
Traffic Counts		LS	\$18,000.00	
Printing, Plotting & Copies		LS	\$5,000.00	
Exhibits, Plotting & Mounting	1	LS @	(\$2,793.13)	(\$2,793.13)
Travel/Mileage		LS	\$2,100.00	
TOTAL ODC'S				(\$2,793.13)

SUB CONSULTANT SERVICES

COMPANY	LABOR	MULTIPLIERS	ODC's	TOTAL
Advanced Civil Technologies (ACT)			\$2.52	\$2.52
Arellano Associates				
Leighton Consulting				
LIN Consulting	(\$116.94)	(\$208.82)		(\$325.76)
Safeprobe				
Tatsumi and Partners, Inc.	(\$16.03)	(\$28.62)		(\$44.65)
Towill	(\$490.15)	(\$875.28)		(\$1,365.43)
Vandermost Consulting Services (VCS)				
TOTAL SUBCONSULTANT SERVICES				(\$1,733.32)

TOTAL \$295,707.21

FEE PROPOSAL WORKSHEET

COMPANY: HNTB	SCOPE OF WORK: Bid Support	PHASE: Phase III
PROJECT: Jurupa Road Grade Separation		DATE: September 26, 2025

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Adam Dayhoff	Project Manager	(4)	@	\$170.00	(\$680.00)
Shannon Willits	DPM/Lead Civil	(4)	@	\$155.00	(\$620.00)
Kelly Lumen	Quality Manager			\$115.00	
Steve Greene	Lead Traffic			\$165.00	
	Technical Manager			\$140.00	
	Technical Lead	(12)	@	\$100.00	(\$1,200.00)
	Sr. Project Engineer			\$85.00	
	Project Engineer/Planner			\$75.00	
	Engineer/Planner III			\$60.00	
	Engineer II			\$56.00	
	Engineer I	(11)	@	\$45.00	(\$495.00)
	CADD-Civil			\$51.00	
	Project Analyst			\$51.00	
	Administrative Assistant			\$36.00	
Nien Wang	Lead Structures			\$165.00	
	Structures Sr. Project Engineer			\$85.00	
	Structures Project Engineer			\$70.00	
	Structures Engineer III			\$60.00	
	Structures Engineer II			\$56.00	
	CADD-Structures			\$70.00	
TOTAL HOURS		-31	@	TOTAL DIRECT LABOR	(\$2,995.00)

MULTIPLIERS

Adjustments for Actuals		(of Direct Labor)	(\$108.29)
OVERHEAD @	97.96%	(of Direct Labor + Escalation)	(\$2,933.90)
PAYROLL ADDITIVES @	48.27%	(of Direct Labor + Escalation)	(\$1,445.69)
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	(\$748.29)
TOTAL MULTIPLIERS			(\$5,236.17)

OTHER DIRECT COSTS

*** Billed at Actual Cost ***

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Travel/Mileage		MI	\$0.54	
Traffic Counts		LS	\$18,000.00	
Printing, Plotting & Copies		LS	\$5,000.00	
Exhibits, Plotting & Mounting		LS	\$2,500.00	
Travel/Mileage		LS	\$2,100.00	
TOTAL ODC'S				

SUB CONSULTANT SERVICES

COMPANY	LABOR	MULTIPLIERS	ODC's	TOTAL
Advanced Civil Technologies (ACT)				
Arellano Associates				
Leighton Consulting				
LIN Consulting	\$5,254.25	\$10,061.89		\$15,315.86
Safeprobe				
Tatsumi and Partners, Inc.				
Towill				
Vandermost Consulting Services (VCS)				
TOTAL SUBCONSULTANT SERVICES				\$15,315.86

TOTAL **\$7,084.69**

FEE PROPOSAL WORKSHEET

COMPANY: HNTB	SCOPE OF WORK: Construction Support	PHASE: Phase IV
PROJECT: Jurupa Road Grade Separation		DATE: September 26, 2025

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Adam Dayhoff	Project Manager	39	@	\$170.00	\$6,630.00
Shannon Willits	DPM/Lead Civil	117	@	\$155.00	\$18,135.00
Kelly Lumen	Quality Manager	54	@	\$115.00	\$6,210.00
Steve Greene	Lead Traffic	4	@	\$165.00	\$660.00
	Technical Manager	127	@	\$140.00	\$17,780.00
	Technical Lead	110	@	\$100.00	\$11,000.00
	Sr. Project Engineer	210	@	\$85.00	\$17,850.00
	Project Engineer/Planner	332	@	\$75.00	\$24,900.00
	Engineer/Planner III	208	@	\$60.00	\$12,480.00
	Engineer II	240	@	\$56.00	\$13,440.00
	Engineer I	268	@	\$45.00	\$12,060.00
	CADD-Civil	370	@	\$51.00	\$18,870.00
	Project Analyst	124	@	\$51.00	\$6,324.00
	Administrative Assistant			\$36.00	
Nien Wang	Lead Structures	30	@	\$165.00	\$4,950.00
	Structures Sr. Project Engineer	160	@	\$85.00	\$13,600.00
	Structures Project Engineer	130	@	\$70.00	\$9,100.00
	Structures Engineer III	10	@	\$60.00	\$600.00
	Structures Engineer II	80	@	\$56.00	\$4,480.00
	CADD-Structures	218	@	\$70.00	\$15,260.00
TOTAL HOURS		2,831		TOTAL DIRECT LABOR	\$214,329.00

MULTIPLIERS

ESCALATION @	(of Direct Labor)	
OVERHEAD @	97.96% (of Direct Labor + Escalation)	\$209,956.69
PAYROLL ADDITIVES @	48.27% (of Direct Labor + Escalation)	\$103,456.61
PROFIT (FIXED FEE) @	10.0% (of Direct Labor + Escalation + Overhead + Payroll Additives)	\$52,774.23
TOTAL MULTIPLIERS		\$366,187.53

OTHER DIRECT COSTS

*** Billed at Actual Cost ***

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Travel/Mileage		MI	@ \$0.54	(\$872.27)
Traffic Counts		LS	\$18,000.00	
Printing, Plotting & Copies		LS	\$5,000.00	
Exhibits, Plotting & Mounting		LS	\$2,500.00	
Travel/Mileage		LS	\$2,100.00	
Consolidation Adjustment				
TOTAL ODC'S				(\$872.27)

SUB CONSULTANT SERVICES

COMPANY	Contract Mod Amount	LABOR	MULTIPLIERS	ODC's	TOTAL
Advanced Civil Technologies (ACT)					
Arellano Associates					
Leighton Consulting		\$2,852.70	\$6,103.07		\$8,955.77
LIN Consulting		\$1,208.75	\$2,314.76	\$27.16	\$3,550.67
Safeprobe					
Tatsumi and Partners, Inc.		\$5,581.60	\$10,504.57	\$11.05	\$16,097.22
Towill					
Vandermost Consulting Services (VCS)	(\$10,000.00)				(\$10,000.00)
TOTAL SUBCONSULTANT SERVICES					\$18,603.65
TOTAL					\$598,247.91

MANHOOR WORKSHEET

COMPANY: HNTB	SCOPE OF WORK: Manhour Summary	PHASE: All Phases
PROJECT: Jurupa Road Grade Separation		DATE: September 26, 2025

TASK	PROJECT MANAGER	DP/LEAD CIVIL	QUALITY MANAGER	LEAD TRAFFIC	TECHNICAL MANAGER	TECHNICAL LEAD	SR. PROJECT ENGINEER	PROJECT ENGINEER/PLANNER	ENGINEER/PLANNER III	ENGINEER II	ENGINEER I	CADD/CIVIL	PROJECT ANALYST	ADMINISTRATIVE ASSISTANT	HOURS	(Top & Bottom) HOURS
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	\$460.45	\$419.82	\$311.48	\$446.91	\$379.19	\$270.85	\$230.23	\$203.14	\$162.51	\$151.68	\$121.88	\$138.14	\$138.14	\$97.51		
PHASE TOTALS	55	178	114	4	377	195	438	332	208	429	436	550	144		3,460	4,088
PHASE I	4	5											20		29	29
PHASE II	16	60	60		250	97	228			189	179	180			1,259	1,259
PHASE III	(4)	(4)				(12)					(11)				(31)	(31)
PHASE IV	39	117	54	4	127	110	210	332	208	240	268	370	124		2,203	2,831

TASK	LEAD STRUCTURES	STRUCTURES SR. PROJECT ENGINEER	STRUCTURES PROJECT ENGINEER	STRUCTURES ENGINEER III	STRUCTURES ENGINEER II	CADD-STRUCTURES	HOURS
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	\$446.91	\$230.23	\$189.60	\$162.51	\$151.68	\$189.60	
PHASE TOTALS	30	160	130	10	80	218	628
PHASE I							
PHASE II							
PHASE III							
PHASE IV	30	160	130	10	80	218	628

MANHOOR WORKSHEET

COMPANY: HNTB	SCOPE OF WORK: Preliminary Engineering & Environmental	PHASE: Phase I
PROJECT: Jurupa Road Grade Separation		DATE: September 26, 2025

TASK	PROJECT MANAGER	DPM/LEAD CIVIL	QUALITY MANAGER	LEAD TRAFFIC	TECHNICAL MANAGER	TECHNICAL LEAD	SR. PROJECT ENGINEER	PROJECT ENGINEER/PLANNER	ENGINEER/PLANNER III	ENGINEER II	ENGINEER I	CADD/CIVIL	PROJECT ANALYST	ADMINISTRATIVE ASSISTANT	HOURS	COST
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\$460.45 \$419.82 \$311.48 \$446.91 \$379.19 \$270.85 \$230.23 \$203.14 \$162.51 \$151.68 \$121.88 \$138.14 \$138.14 \$97.51

Total Manhours	4	5													20	29
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ARTICLE AII - PROJECT ADMINISTRATION

A. Project Management Plan	4	5													20	29	\$ 6,704
B. Quality Control Plan																	
C. Budgeting																	
D. Cost Accounting																	
E. Scheduling																	
F. Contract Administration and Meetings																	
F.1 Project Management/Administration																	
F.2 Project Meetings																	
G. Contract Deliverables																	
H. Outreach																	
H.1 Collateral Materials & Coordination																	
H.2 Open House Community Meetings																	
H.3 Stakeholder and Business Briefings																	
I. Union Pacific Payments																	

ARTICLE AIII - PLANNING AND PROJECT DEVELOPMENT

A. Research and Data Gathering																	
B. Permits																	
C. Design Surveys																	
D. Preliminary Geotechnical Investigations																	
D.1 Preliminary Foundation Report																	
D.2 Phase I Environmental Site Assessment																	
D.3 Aerially Deposited Lead (ADL) Survey																	
E. Planning Studies																	
E.1 Geometrics																	
E.2 Draft Drainage Analysis																	
E.3 Utility Impact Identification																	
E.4 Structure Advance Planning Study																	
E.5 Track Geometrics																	
E.6 Estimate of Probable Cost																	
E.7 Schedule																	
E.8 Constructability																	
E.9 Traffic Study																	

MANHOOR WORKSHEET

COMPANY: HNTB	SCOPE OF WORK: Preliminary Engineering & Environmental	PHASE: Phase I
PROJECT: Jurupa Road Grade Separation		DATE: September 26, 2025

TASK	PROJECT MANAGER	DP/ML LEAD CIVIL	QUALITY MANAGER	LEAD TRAFFIC	TECHNICAL MANAGER	TECHNICAL LEAD	SR. PROJECT ENGINEER	PROJECT ENGINEER/PLANNER	ENGINEER/PLANNER III	ENGINEER II	ENGINEER I	CADD/CIVIL	PROJECT ANALYST	ADMINISTRATIVE ASSISTANT	HOURS	COST
E.10 Landscape and Aesthetics																
F. Visual Aids																
F.1 Photo Simulations (9)																
F.2 Videos (1)																
G. Environmental Determination and Issues																
G.1 Process extension of permits																
G.2 Potential update to PD/Limits																
H. Preliminary Engineering Report																
I. Geometric Approval Drawings																
J. Design Drainage Report & WQMP																
K. Geotechnical Design Report																
L. Right-of-Way Maps																
M. Agreements																
N. Utility Coordination																
N.1 Utility Research & Mapping																
N.2 Utility Coordination & Meetings																
N.3 Utility Potholing																
N.4 Electric and Water Service Meters																
O. Miscellaneous Design Support																
O.1 Design Exceptions																
O.2 Traffic Management Plan																
O.3 Track Design																

MANHOUR WORKSHEET

COMPANY: HNTB	SCOPE OF WORK: Plans, Specs & Estimates	PHASE: Phase II
PROJECT: Jurupa Road Grade Separation		DATE: September 26, 2025

TASK	PROJECT MANAGER	DP/LEAD CIVIL	QUALITY MANAGER	LEAD TRAFFIC	TECHNICAL MANAGER	TECHNICAL LEAD	SR. PROJECT ENGINEER	PROJECT ENGINEER/PLANNER	ENGINEER/PLANNER III	ENGINEER II	ENGINEER I	CADD-CIVIL	PROJECT ANALYST	ADMINISTRATIVE ASSISTANT	HOURS	COST
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\$460.45 \$419.82 \$311.48 \$446.91 \$379.19 \$270.85 \$230.23 \$203.14 \$162.51 \$151.68 \$121.88 \$138.14 \$138.14 \$97.51

Total Manhours	16	60	60	250	97	228			189	179	180				1,259	
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TASK	PROJECT MANAGER	DP/LEAD CIVIL	QUALITY MANAGER	LEAD TRAFFIC	TECHNICAL MANAGER	TECHNICAL LEAD	SR. PROJECT ENGINEER	PROJECT ENGINEER/PLANNER	ENGINEER/PLANNER III	ENGINEER II	ENGINEER I	CADD-CIVIL	PROJECT ANALYST	ADMINISTRATIVE ASSISTANT	HOURS	COST
ARTICLE AIV - STRUCTURES																
A. Structure Type Selection and Bridge General Plans																
B. Geotechnical Coordination and Foundation Report																
C. Structural Design and Calculations																
D. Independent Check Review and Quality Control																
E. Structure Specifications & Estimates																
F. Initial Structure PS&E (65% unchecked plans)																
G. Intermediate Structure PS&E (90% Checked Plans)																
H. Draft Final Structure PS&E (95%)																
I. Final Structure PS&E																
J. UPRR Structure Submittals																
K. Box Culvert Plans	16	60	60	250	97	228			189	179	180				1,259	\$ 300,157
ARTICLE AV - ROADWAY																
A. Basic Roadway Plans																
A.1 Title Sheet/General Sheets																
A.2 Horizontal Control Plans																
A.3 Typical Sections																
A.4 Plan & Profile Sheets																
A.5 Construction Details																
A.6 Grading Plans																
A.7 Removal Plans																
A.8 Planting & Irrigation Plans																
B. Calculations																
B.1 Geometric Traverse & Right-of-Way																
B.2 Grid Grades																
B.3 Profile																
B.4 Earthwork Quantities																
B.5 Other Quantities																
C. Drainage Plans																
C.1 Storm Drain Plans																
C.2 BMP & Erosion Control Plans																
D. Traffic & Electrical Plans																
D.1 Street Lighting Plans																

FEE PROPOSAL WORKSHEET

COMPANY: Lin Consulting	SCOPE OF WORK: Construction Support	PHASE: Phase III
PROJECT: Jurupa Road Grade Separation		DATE: September 26, 2025

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
William Sun	Principal	3	@	\$94.00	\$282.00
Ray Kommidi	Senior Project Manager	26	@	\$80.50	\$2,093.00
Steven Hak	Project Engineer	33	@	\$37.25	\$1,229.25
Ryan Woo, Benny Yau	Assistant Project Manager	33	@	\$50.00	\$1,650.00
		TOTAL HOURS	95	TOTAL DIRECT LABOR	\$5,254.25

MULTIPLIERS

ESCALATION @		(of Direct Labor)	
OVERHEAD @	165.00%	(of Direct Labor + Escalation)	\$8,669.51
PAYROLL ADDITIVES @		(of Direct Labor + Escalation)	
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$1,392.38
			TOTAL MULTIPLIERS
			\$10,061.89

OTHER DIRECT COSTS

*** Billed at Actual Cost ***

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Travel/Mileage	1	MI @	(\$0.28)	(\$0.28)
Traffic Counts		LS	\$18,000.00	
Printing, Plotting & Copies		LS	\$5,000.00	
Exhibits, Plotting & Mounting		LS	\$2,500.00	
Travel/Mileage		LS	\$2,100.00	
Consolidation Adjustment				
				TOTAL ODC'S
				(\$0.28)

SUB CONSULTANT SERVICES

COMPANY	LABOR	MULTIPLIERS	ODC's	TOTAL
N/A				
				TOTAL SUBCONSULTANT SERVICES

TOTAL \$15,315.86

MANHOOR WORKSHEET

COMPANY: Lin Consulting	SCOPE OF WORK: Construction Support	PHASE: Phase IV
PROJECT: Jurupa Road Grade Separation		DATE: September 26, 2025

TASK					HOURS	COST
	Principal	Senior Project Manager	Project Engineer	Assistant Project Manager		

\$274.01 \$234.66 \$108.58 \$145.75

Total Manhours	3	26	33	33	95
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ARTICLE AVII - CONSTRUCTION SUPPORT PHASE															
A. Project Administration (12 months)															
B. Pre-Construction Meeting															
C. Meetings & Site Reviews															
D. Response to Inquiries/RFI's	3	26	33	33										95	\$ 15,316
E. Submittal & Shop Drawing Review															
F. Change Order Support															
G. Outreach Support															
H. As-Builts															

FEE PROPOSAL WORKSHEET

COMPANY: Leighton Consulting	SCOPE OF WORK: Preliminary Engineering & Environmental	PHASE: Phase I
PROJECT: Jurupa Road Grade Separation		DATE: March 28, 2025

DIRECT LABOR						
PERSONNEL	POSITION	HOURS		RATE		AMOUNT
Bashir S. Saiid	Staff Geologist	1	@	\$28.50		\$28.50
	Staff Scientist			\$23.50		
	Project Scientist			\$32.21		
	Associate Geologist			\$57.21		
	Principal Engineer/PM			\$70.07		
Jeffrey T. Deland, Mary A. Murphy	Sr. Principal Geologist/QC-Enviro	3	@	\$106.97		\$320.91
	CAD Operator			\$40.87		
Vika Malu	GIS Analyst			\$34.25		
Debbie Maggers	Staff Engineer			\$28.50		
	Word Processor/Admin			\$24.95		
Simon I. Saiid, Carlos V. Amante	Project Accountant			\$24.68		
	Sr. Principal Geologist/QC			\$84.13		
TOTAL HOURS		4		TOTAL DIRECT LABOR		\$349.41

MULTIPLIERS						
ESCALATION @		(of Direct Labor)				\$0.00
OVERHEAD @	58.40%	(of Direct Labor + Escalation)				\$204.06
PAYROLL ADDITIVES @	127.00%	(of Direct Labor + Escalation)				\$443.75
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)				\$99.72
TOTAL MULTIPLIERS						\$747.53

OTHER DIRECT COSTS						
*** Billed at Actual Cost ***						
ITEM	QUANTITY	UNIT		UNIT COST		AMOUNT
Travel/Mileage		MI		\$0.54		
Traffic Counts		LS		\$18,000.00		
Printing, Plotting & Copies		LS		\$5,000.00		
Exhibits, Plotting & Mounting		LS	@	\$2,500.00		\$26.16
TOTAL ODC'S						\$26.16

SUB CONSULTANT SERVICES						
COMPANY	LABOR	MULTIPLIERS		ODC'S		TOTAL
Advanced Civil Technologies (ACT)						
Arellano Associates						
Leighton Consulting						
LIN Consulting						
Safeprobe						
Tatsumi and Partners, Inc.						
Towill						
Vandermost Consulting Services (VCS)						
TOTAL SUBCONSULTANT SERVICES						\$0.00
TOTAL						\$1,123.10

FEE PROPOSAL WORKSHEET

COMPANY: Leighton Consulting	SCOPE OF WORK: Construction Support	PHASE: Phase IV
PROJECT: Jurupa Road Grade Separation		DATE: September 26, 2025

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
	Staff Geologist			\$28.50	
	Staff Scientist	10	@	\$23.50	\$235.00
	Project Scientist	20	@	\$32.21	\$644.20
Bashir S. Saiid	Associate Geologist	10	@	\$57.21	\$572.10
	Principal Engineer/PM	20	@	\$70.07	\$1,401.40
	Sr. Principal Geologist/QC-Enviro			\$106.97	
Jeffrey T. Deland, Mary A. Murphy	CAD Operator			\$40.87	
Vika Malu	GIS Analyst			\$34.25	
Debbie Maggers	Staff Engineer			\$28.50	
	Word Processor/Admin			\$24.95	
	Project Accountant			\$24.68	
Simon I. Saiid, Carlos V. Amante	Sr. Principal Geologist/QC			\$84.13	
		TOTAL HOURS	60	TOTAL DIRECT LABOR	\$2,852.70

MULTIPLIERS

ESCALATION @		(of Direct Labor)	
OVERHEAD @	58.40%	(of Direct Labor + Escalation)	\$1,665.98
PAYROLL ADDITIVES @	127.00%	(of Direct Labor + Escalation)	\$3,622.93
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$814.16
			TOTAL MULTIPLIERS
			\$6,103.07

OTHER DIRECT COSTS

*** Billed at Actual Cost ***

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Travel/Mileage		MI	\$0.54	
Traffic Counts		LS	\$18,000.00	
Printing, Plotting & Copies		LS	\$5,000.00	
Exhibits, Plotting & Mounting		LS	\$2,500.00	
Travel/Mileage		LS	\$2,100.00	
Consolidation Adjustment				
				TOTAL ODC'S

SUB CONSULTANT SERVICES

COMPANY	LABOR	MULTIPLIERS	ODC's	TOTAL
N/A				
				TOTAL SUBCONSULTANT SERVICES

TOTAL \$8,955.77

MANHOUR WORKSHEET

COMPANY: Leighton Consulting	SCOPE OF WORK: Construction Support	PHASE: Phase IV
PROJECT: Jurupa Road Grade Separation		DATE: September 26, 2025

TASK	Staff Geologist	Staff Scientist	Project Scientist	Associate Geologist	Principal Engineer/PM	Sr. Principal Geologist/QC-Enviro	CAD Operator	GIS Analyst	Staff Engineer	Word Processor/Admin	Project Accountant	Sr. Principal Geologist/QC	HOURS	COST
	\$89.47	\$73.78	\$101.12	\$179.61	\$219.98	\$335.82	\$128.31	\$107.52	\$89.47	\$78.33	\$77.48	\$264.12		

Total Manhours	10	20	10	20									60	
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ARTICLE AVII - CONSTRUCTION SUPPORT PHASE														
A. Project Administration (12 months)														
B. Pre-Construction Meeting														
C. Meetings & Site Reviews														
D. Response to Inquiries/RFI's		10		10									20	\$ 2,534
E. Submittal & Shop Drawing Review			20		20								40	\$ 6,422
F. Change Order Support														
G. Outreach Support														
H. As-Builts														

FEE PROPOSAL WORKSHEET

COMPANY: Lin Consulting	SCOPE OF WORK: Construction Support	PHASE: Phase IV
PROJECT: Jurupa Road Grade Separation		DATE: September 26, 2025

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
William Sun	Principal	5	@	\$94.00	\$470.00
Ray Kommid	Senior Project Manager	5	@	\$80.50	\$402.50
Steven Hak	Project Engineer	5	@	\$37.25	\$186.25
Ryan Woo, Benny Yau	Assistant Project Manager	3	@	\$50.00	\$150.00
		TOTAL HOURS	18	TOTAL DIRECT LABOR	\$1,208.75

MULTIPLIERS

ESCALATION @		(of Direct Labor)	
OVERHEAD @	165.00%	(of Direct Labor + Escalation)	\$1,994.44
PAYROLL ADDITIVES @		(of Direct Labor + Escalation)	
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$320.32
			TOTAL MULTIPLIERS
			\$2,314.76

OTHER DIRECT COSTS

*** Billed at Actual Cost ***

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Travel/Mileage		MI	@ \$0.54	\$27.16
Traffic Counts		LS	\$18,000.00	
Printing, Plotting & Copies		LS	\$5,000.00	
Exhibits, Plotting & Mounting		LS	\$2,500.00	
Travel/Mileage		LS	\$2,100.00	
Consolidation Adjustment				
				TOTAL ODC'S
				\$27.16

SUB CONSULTANT SERVICES

COMPANY	LABOR	MULTIPLIERS	ODC's	TOTAL
N/A				

TOTAL SUBCONSULTANT SERVICES

TOTAL **\$3,550.67**

FEE PROPOSAL WORKSHEET		
COMPANY: Tatsumi and Partners, Inc	SCOPE OF WORK: Construction Support	PHASE: Phase IV
PROJECT: Jurupa Road Grade Separation		DATE: September 26, 2025

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
David H. Tatsumi	Principal/Landscape Architect	24	@	\$100.70	\$2,416.80
Michael Aceves	Project Manager	20	@	\$62.20	\$1,244.00
Weywantheawy Kang	Lead Landscape Designer	44	@	\$42.60	\$1,874.40
Jimmy Ogata	Lead Irrigation Designer	1	@	\$46.40	\$46.40
	Designer			\$33.00	
		TOTAL HOURS	89	TOTAL DIRECT LABOR	\$5,581.60

MULTIPLIERS

ESCALATION @		(of Direct Labor)	
OVERHEAD @	162.00%	(of Direct Labor + Escalation)	\$9,042.19
PAYROLL ADDITIVES @		(of Direct Labor + Escalation)	
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	\$1,462.38
			TOTAL MULTIPLIERS
			\$10,504.57

OTHER DIRECT COSTS

... Billed at Actual Cost ...

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Travel/Mileage		MI @	\$0.54	\$11.05
Traffic Counts		LS	\$18,000.00	
Printing, Plotting & Copies		LS	\$5,000.00	
Exhibits, Plotting & Mounting		LS	\$2,500.00	
Travel/Mileage		LS	\$2,100.00	
Consolidation Adjustment				
				TOTAL ODC'S
				\$11.05

SUB CONSULTANT SERVICES

COMPANY	LABOR	MULTIPLIERS	ODC'S	TOTAL
N/A				

TOTAL SUBCONSULTANT SERVICES

TOTAL **\$16,097.22**

MANHOUR WORKSHEET

COMPANY: Tatsumi and Partners, Inc		SCOPE OF WORK: Construction Support	PHASE: Phase IV
PROJECT: Jurupa Road Grade Separation		DATE: September 26, 2025	

TASK	Principal Landscape Architect	Project Manager	Lead Landscape Designer	Lead Irrigation Designer	Designer	HOURS		COST
	\$290.22	\$179.26	\$122.77	\$133.72	\$95.11			

Total Manhours	24	20	44	1				89
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ARTICLE AVII - CONSTRUCTION SUPPORT PHASE											
A. Project Administration (12 months)											
B. Pre-Construction Meeting											
C. Meetings & Site Reviews											
D. Response to Inquiries/RFI's	12	10	22	1						45	\$ 8,110
E. Submittal & Shop Drawing Review	12	10	22							44	\$ 7,976
F. Change Order Support											
G. Outreach Support											
H. As-Builts											

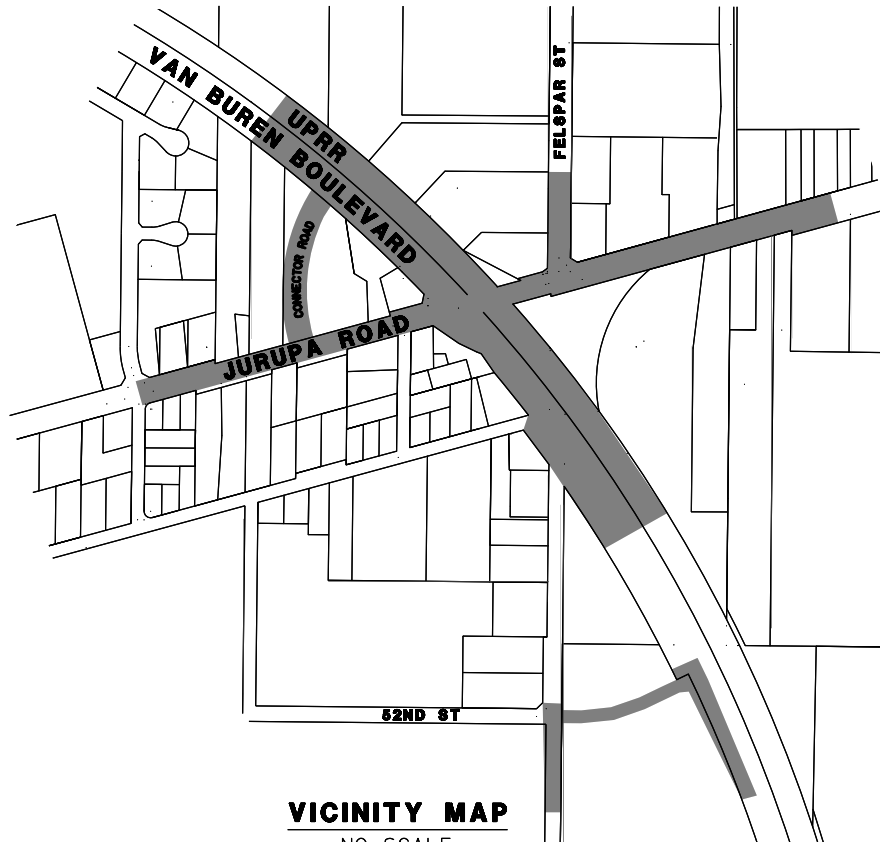
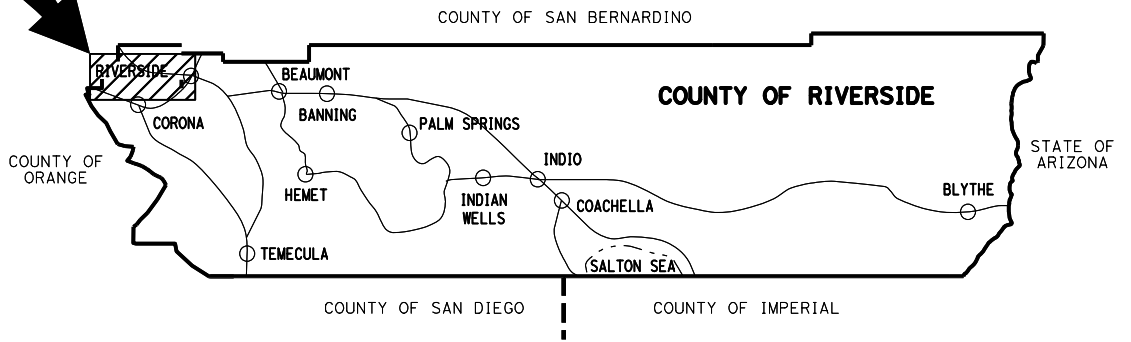
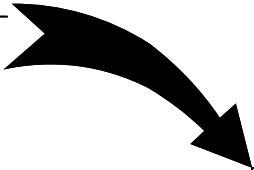
COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT

JURUPA ROAD

UPRR GRADE SEPARATION PROJECT

CITY OF JURUPA VALLEY

PROJECT
SITE



VICINITY MAP

NO SCALE