

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



ITEM
3.57
(ID # 4329)

MEETING DATE:

Tuesday, July 11, 2017


FROM : TLMA-TRANSPORTATION:

SUBJECT: TRANSPORTATION AND LAND MANAGEMENT AGENCY/ TRANSPORTATION:
Amendment No. 2 to the Engineering and Environmental Services Agreement
between the County of Riverside and Parsons Transportation Group, Inc. for the
Avenue 56 (Airport Boulevard) Railroad Grade Separation Project. 4th District;
[\$2,327,736 - Total Cost]; Local Funds 100%

RECOMMENDED MOTION: That the Board of Supervisors:

1. Approve Amendment No. 2 to the Engineering and Environmental Services Agreement
between the County of Riverside (County) and Parsons Transportation Group, Inc.; and
2. Authorize the Chairman of the Board of Supervisors to execute the same.

ACTION: Policy


Patricia Komo, Director of Transportation 6/15/2017

MINUTES OF THE BOARD OF SUPERVISORS

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

Ayes: Jeffries, Tavaglione, Washington, Perez and Ashley
Nays: None
Absent: None
Date: July 11, 2017
xc: Transp.

Kecia Harper-Ihem
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	\$ 122,209	\$ 0	\$ 2,327,736	\$ 0
NET COUNTY COST	\$ 0	\$ 0	\$ 0	\$ 0
SOURCE OF FUNDS: Transportation Uniform Mitigation Fee (CVAG) (100%) Project No. A6-0421. No General Funds will be used.			Budget Adjustment: No	
			For Fiscal Year: 17/18	

C.E.O. RECOMMENDATION: Approve

BACKGROUND:

Summary

Avenue 56 is designated in the Riverside County General Plan as a six-lane urban arterial highway that serves the Thermal community of eastern Riverside County, the City of Coachella, and the City of La Quinta while providing direct access from State Route 86 and Grapefruit Boulevard (SH-111) to the Jacqueline Cochran Regional Airport.

Recently the County completed the construction of a new bridge on Airport Blvd over the Union Pacific Railroad tracks near Grapefruit Blvd. The notice of completion was accepted by the Board of Supervisors on May 9, 2017 (item 3-82), and the improvements are providing the following benefits to the public:

- Improved public safety due to the elimination of train/vehicle conflicts
- Improved emergency response time
- Reduced delay of freight movement on State Route 86 and Union Pacific Railroad (UPRR) NAFTA corridors that contribute toward achieving uninterrupted freight movement along the ultimate Alameda Corridor East
- Substantial reduction of particulate matter from idling vehicles, causing a reduction in greenhouse gas emissions
- Reduction of train noise

The consultant engineer who designed the project improvements, Parsons Transportation Group, Inc., started work on the project in 2010 following approval by the Board of Supervisors on August 31, 2010 (item 3-85), of the Engineering and Environmental Services Agreement to perform the professional and technical services necessary to prepare environmental documents, plans, specifications, and estimates as well as provide construction support for a fee of \$1,945,043.

On September 10, 2013, by Minute Order 3-82, the Board of Supervisors approved Amendment No. 1 to the Agreement. Amendment No. 1 provided an additional \$260,484 for additional services necessary for lighting, drainage, architectural treatments, structure design, utility coordination and right-of-way acquisitions services.

**SUBMITTAL TO THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE,
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Amendment No. 2 is now needed for construction support services that will exceed the budget provided in the Engineering and Environmental Services Agreement. The need for additional budget is in part due to the designer providing unanticipated construction support and guidance in resolving issues related to the light weight fill, and construction staging and bridge construction. Due to the high water table, light weight fill was specified for the project. Placing this non-typical material took longer than specified and impacted the construction staging of the project. Additionally, constructability issues of the bridge deck and walls were encountered due to the close spacing of the steel bars. The additional design included the development of remediation plans for correcting bridge deck and wall deficiencies. Other work included modification to the design plans to accommodate business needs for large trucks at an adjacent property, that was discovered during acquisition negotiations with the property owner.

This Amendment No. 2 proposes to increase the budget by \$122,209.

Original Budget:	\$1,945,043
Amendment No. 1:	\$ 260,484
Amendment No. 2:	<u>\$ 122,209</u>
Total Proposed Budget:	\$2,327,736

County Counsel has approved the Agreement, Amendment No. 2, as to legal form.

Impact on Residents and Businesses

The project has increased public safety by eliminating train and vehicle conflicts. Train noise has been reduced, as well as greenhouse gas emissions.

Additional Fiscal Information:

The additional funds proposed in Amendment No.2 of the Engineering and Environmental Services Agreement will be funded 100% by Coachella Valley Association of Governments (CVAG) Transportation Uniform Mitigation Fees (TUMF).

Contract History and Price Reasonableness:

Parsons Transportation Group, Inc. is on the Transportation Department's Pre-Qualified list of structural design firms. The list was established through a request for proposals, which was advertised in the Press Enterprise. Fifteen firms submitted qualifications. Representatives from Caltrans, CVAG, and the Riverside County Transportation Department evaluated the written proposals and interviewed the ten top ranked firms. The contract price was negotiated between Parsons and the Transportation Department and is considered a fair and reasonable price for the services performed and comparable to similar work performed by other qualified consultants.

Attachments:

Vicinity Map

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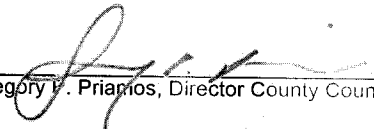
Amendment No. 2


Marsha Victor, Chief Deputy County Counsel

6/22/2017


Tina Grande, Principal Management Analyst

6/29/2017


Gregory V. Priamos, Director County Counsel

6/22/2017



PROJECT LOCATION

Thermal

Church St

Thermal Ball Park

58th Ave

59th Ave

60th Ave

60th Ave

60th Ave

60th Ave

86

86S

AMENDMENT 2 TO AGREEMENT BETWEEN

County of Riverside • Transportation Department and Parsons Transportation Group, Inc.

THIS AMENDMENT (hereinafter the "Amendment 2") to an agreement is made and entered into as of this 11th day of July, 2017, by and between the County of Riverside, a political subdivision of the State of California (hereinafter the "COUNTY"), and Parsons Transportation Group, Inc. (hereinafter "ENGINEER").

RECITALS

A. COUNTY and ENGINEER have entered into an agreement entitled "Engineering Services Agreement for Avenue 56 (Airport Blvd) Railroad Grade Separation Project between County of Riverside • Transportation Department and Parsons Transportation Group, Inc." that is dated August 31, 2010 (hereinafter the "Agreement"). The Agreement provides the terms and conditions, scope of work, schedule and budget for the performance of professional and technical services necessary to prepare environmental documents, plans, specifications and estimates as well as provide construction support.

B. COUNTY and ENGINEER have entered in an amendment to the agreement entitled "AMENDMENT TO AGREEMENT BETWEEN County of Riverside • Transportation Department and Parsons Transportation Group, Inc." that is dated September 10, 2013 (hereinafter the "Amendment 1"). The Amendment 1 provides the scope of work and budget for the performance of professional and technical services necessary to provide additional services necessary for lighting, drainage, architectural treatments, structure design, utility coordination and right-of-way acquisitions services not included in the original scope and/or required a greater level of coordination than was anticipated.

C. The construction is now complete and it has been determined that the need for construction support services have exceeded the budget provided in the Agreement. The need for additional budget is due to two primary factors; modifications to the design plans needed to resolve land acquisition requirements and responding to contractor requests and development of remediation plans for unacceptable construction work product.

The Avenue 56 (Airport Blvd) project was funded in part with Proposition 1B - Trade Corridor Improvement Fund (TCIF) funds. The funding requirements stipulated a deadline of awarding the project by December 31, 2013. In order to meet the required deadline the Transportation Department certified the right-of way with a level 3 certification as allowed by the State Transportation Department (Caltrans). This certification allows for the project to be awarded prior to all right-of-way acquisitions being complete.

Avenue 56 (Airport Blvd) Railroad Grade Separation Project

1 As a result, subsequent to the plans being finalized and a construction contract being awarded
2 ENGINEER was requested to redesign several items in support of finalizing the needed property
3 acquisitions. These support services included:

- 4 • Redesign of the Airport Blvd/Pak Ryt Driveway
- 5 • Design of appropriate drainage facilities for the Pak Ryt Driveway
- 6 • Provide additional design for the Post Office drainage system
- 7 • Revise Airport Blvd and System 13 drainage plans

8 During construction the Contractor made numerous request for design modifications which required
9 review and approval/denial by ENGINEER. ENGINEER was also requested to review unacceptable
10 construction work product and develop remediation plans to support corrective action. These support
11 services included:

- 12 • Cement Treated Permeable Base mix limits
- 13 • Contractor request to eliminate lightweight fill material
- 14 • Concrete remediation plan to support corrective action of unacceptable construction product.
- 15 • Request form contractor to eliminate the geomembrane
- 16 • Soffit spalling and reconstruction issues.

17 D. Construction support services are paid under a time and material basis and are provided as needed. The
18 cost of these services has exceeded the budget and the ENGINEER has requested reimbursement for
19 these additional costs. They have also requested additional funds to complete the As-Built plans which
20 are needed for County recordation purposes.

21 E. The parties desire to amend the Agreement to modify the scope of services to be provided by the
22 ENGINEER and increase the contract budget.

AGREEMENT

23
24 NOW, THEREFORE, in consideration of the mutual covenants hereinafter contained, the parties agree as follows,
25 effective August 31, 2010:

- 26 1. Appendix A • Scope of Services is amended by the addition of the extra work described in Attachment "A"
27 of this Amendment, attached hereto and incorporated by this reference.
- 28 2. Appendix B • Article B1• Introduction is amended to revise the completion date from December 31, 2015
29 to December 31, 2017. All covenants set forth in the original Agreement as amended by Amendment 1

Avenue 56 (Airport Blvd) Railroad Grade Separation Project

1 and this Amendment 2 are effective August 31, 2010 and shall be completed by December 31, 2017,
2 unless extended by supplemental agreement.

3 3. Appendix C • Article CV is amended by increasing the contract budget by \$122,208.91 for engineering
4 services necessary for construction and right-of-way support services making the new total not to exceed
5 amount of \$2,327,735.66. Detailed fee and manhours are provided in Attachment "B" of this Amendment,
6 attached hereto and incorporated by this reference.

7 4. Except to the extent specifically modified or amended hereunder, all of the terms, covenants and
8 conditions of the Agreement shall remain in full force and effect between the parties hereto.

9 IN WITNESS HEREOF, the parties hereto have caused this Amendment to the Agreement to be duly
10 executed this day and year first written above.

ARTICLE VIII • APPROVALS

COUNTY Approvals

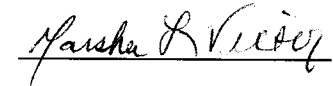
RECOMMENDED FOR APPROVAL:

 Dated: 6/15/17

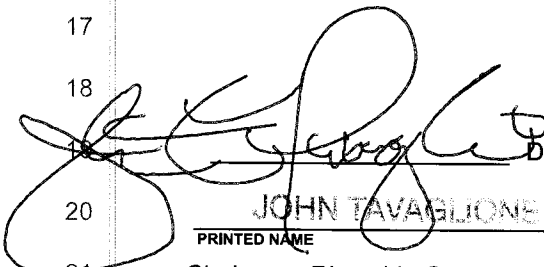
PATRICIA ROMO
Director of Transportation

APPROVED AS TO FORM:

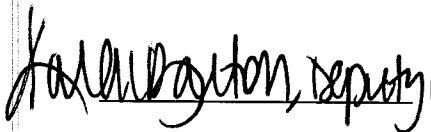
GREGORY P. PRIAMOS, COUNTY COUNSEL

 Dated: 6/22/17
By Deputy

APPROVAL BY THE BOARD OF SUPERVISORS

 Dated: JUL 11 2017
JOHN TAVAGLIONE
PRINTED NAME
Chairman, Riverside County Board of Supervisors

ATTEST:

 Dated: JUL 11 2017

KECIA HARPER-IHEM
Clerk of the Board (SEAL)

ENGINEER Approvals

ENGINEER:

 Dated: 5/31/17

ERNESTA A. FIGUEROA
PRINTED NAME

PROJECT MANAGER
TITLE

ENGINEER:

_____ Dated: _____

PRINTED NAME

TITLE

ATTACHMENT "A"

SCOPE OF WORK

ADDITIONAL Design Services during construction FOR AIRPORT BOULEVARD RR GRADE SEPARATION PROJECT

Design services during construction

Phase IV Design Support Services during Construction for the following items:

- Redesign of the Airport Blvd: Pak Ryt driveway
- Drainage at Pak Ryt "X" Line Driveway
- Drainage System 13 design change
- Additional design of the Post Office drainage Inlet, Rip Rap, Swale & Overside Drain
- Airport Blvd. Additional drainage design

Additional contractor design support during construction

Additional over and above efforts which Parsons completed to support the contractors many requests of RFI's and Submittal reviews during Phase IV. As part of the RFI, Submittal and Miscellaneous logs to support our request. Parsons provided the following additional extensive efforts for the following items:

- Cement Treated Permeable Bas mix limits review
- Review documentation and provide independent analysis of the contractors request to eliminate the lightweight fill material
- Concrete remediation plan to support corrective action of unacceptable construction product
- Deck Remediation Plan to support corrective action of unacceptable construction product
- Request from the contractor to eliminate the geomembrane
- Review and provide analysis of soffit spalling and reconstruction issues

Preparation of As-Built plans

As-Built Plans will be prepared for the project.

Design Services not previously paid during phase II PS&E

- Conducted PDT Meeting #20
- Prepared 95% PS&E Review Comment Matrix and Responses
- Coordinated with EDA and County Survey on right-of-way negotiations/acquisitions
- Coordinated CVWD on SFM relocation and waterline design
- Finalized architectural treatment concept
- Continued coordination with UPRR for project approval

ATTACHMENT "R"

FEE PROPOSAL WORKSHEET					
COMPANY: PARSONS		SCOPE OF WORK Amendment 2		DATE: 1/31/2017	REV:
PROJECT: AVENUE 56/UPRR GRADE SEPARATION PROJECT				MILESTONE/PHASE/PROJ SUMMARY: All Phases	
DIRECT LABOR					
PERSONNEL	FUNCTION	HOURS	@	RATE	AMOUNT
Ernest Figueroa	Project Manager	11	@	\$90.15	\$991.65
Areg Gharabegian	Senior Project Engineer	0.5	@	\$102.40	\$51.20
Farhad Hakemi	Sr. Design Engineer	7	@	\$30.00	\$210.00
Fure-Lin Jeang	Sr. Design Engineer	47	@	\$73.24	\$3,442.28
Paula Johnson	Bridge Drafter	4	@	\$44.80	\$179.20
Jeffery Lavinder	Bridge Drafter	9	@	\$65.41	\$588.69
David Lew	Senior Design Engineer	50	@	\$70.49	\$3,524.50
Hui Lui	Engineer	55	@	\$36.46	\$2,005.30
Jeffrey Lormand	Engineer	0.5	@	\$48.90	\$24.45
Gina Majestic	Engineer	15	@	\$67.87	\$1,018.05
Mohsen Mohseni	Engineer	27	@	\$88.90	\$2,400.30
Satya Mullangi	Engineer	89	@	\$47.04	\$4,186.56
Paul Nikolai	Engineer	36	@	\$44.27	\$1,593.72
Uthayakumar Sandirasegram	Bridge Project Engineer	60	@	\$65.43	\$3,925.80
Dennis Serafica	Bridge Project Engineer	15	@	\$71.25	\$1,068.75
Rebecca Shum	Bridge Project Engineer	8	@	\$30.10	\$240.80
Manwendra Sinha	Bridge Project Engineer	67	@	\$70.51	\$4,724.17
Portia Gonzalez	Sr. Design Engineer	20	@	\$68.68	\$1,373.60
Engineer TBD (As-Built)	Engineer	92.00	@	\$46.15	\$4,245.80
Rosendo Saldivar	Engineer	45	@	\$35.62	\$1,602.90
TOTAL HOURS		658.00		TOTAL DIRECT LABOR	\$37,397.72
MULTIPLIERS					
OVERHEAD @	158.32%	(of Total Direct Labor + Escalation)			\$59,208.07
PAYROLL ADDITIVES @		(of Total Direct Labor + Escalation)			
TOTAL MULTIPLIERS					\$59,208.07
OTHER DIRECT EXPENSES *** Billed at Actual Cost ***					
ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT	
Roadway ODCs				\$100.80	
Travel		miles	\$0.55		
Plots/Reproduction (11"x17")		each	\$1.20		
Exhibits/Reports		each	\$50.00		
Mail		each	\$17.00		
Reproduction		each	\$1.20		
Shipping Delivery		lump sum			
As-Built Plans		lump sum		\$1,282.99	
TOTAL OTHER DIRECT EXPENSES					\$1,383.79
OUTSIDE SERVICES (w/o fee)					
COMPANY	LABOR	MULTIPLIER	EXPENSES	TOTAL	
Earth Mechanics				\$1,815	
Phase II Design work (Parsons)				\$12,653	
TOTAL OUTSIDE SERVICES					\$14,468.00
FEES					
PARSONS @	10.00%	(of Total Direct Labor + Total Multipliers)			\$9,660.58
OUTSIDE SERVICES @	5.00%	(of Total Labor + Total Multiplier for Outside Services)			\$90.75
TOTAL FEES					\$9,751.33
TOTAL COST					\$122,208.91