

**Metro**Los Angeles County  
Metropolitan Transportation AuthorityOne Gateway Plaza  
Los Angeles, CA 90012-2952213.922.2000 Tel  
metro.net**CONSTRUCTION COMMITTEE**  
**April 15, 2015****SUBJECT: BRIGHTON TO ROXFORD DOUBLE TRACK PROJECT****ACTION: APPROVE CONTRACT FOR THE BRIGHTON TO ROXFORD DOUBLE TRACK PROJECT****RECOMMENDATION**

Authorize the Chief Executive Officer (CEO) to execute a cost-plus-fixed-fee (CPFF) Contract No. PS2415-3412 with STV, Inc. for the Brighton to Roxford Double Track Project (Project) in the amount of \$ 13,594,016, inclusive of all design phases. This contract is for three years.

**ISSUE**

It is the intent of Metro Regional Rail to award a professional services contract to provide engineering services for completion of the environmental clearance documents for procurement of final design and construction of the project. This work includes the development of preliminary engineering documents, permitting, and final design engineering of the Brighton to Roxford Double Track Project, and development of the necessary construction documents for the Project, as well as design support services during bid and construction.

**DISCUSSION****Background**

Metro is developing the Brighton to Roxford Double Track project (Project) in Los Angeles, CA, between milepost (MP) 12.7 and MP 23.6 on the Valley Subdivision. At this time, Metro is proceeding with the environmental clearance and the development of Plans, Specifications, and Estimates (PS&E) for construction of the Project.

The Project includes approximately 10.4 miles of new double track beginning at Control Point (CP) Brighton, at MP 12.7, and ending at CP Roxford, at MP 23.6 on the Valley Subdivision of the Antelope Valley Line. At the east end of the Project near CP Brighton, the scope of work includes connecting the new double track to the Brighton Siding extension that is being developed as part of the Empire Avenue and Buena Vista Grade Separation Project. The scope of work also includes connection to the 6,109 foot existing

Sun Valley Siding between CP McGinley and CP Sheldon. In addition, this Project includes construction of a second side platform at the future Metrolink Hollywood Way Station, Sun Valley Station, and Sylmar/San Fernando Station. Modifications to at-grade crossings are anticipated along the Project corridor. This Project also includes construction of three new railroad bridges, as well as three pedestrian at-grade crossings at the Hollywood Way, Sun Valley, & Sylmar/San Fernando Stations as well as improvements to the existing Astoria Street at-grade crossing.

The Project is located mostly within the city of Los Angeles, and partially within the cities of Burbank and San Fernando, California on Metro owned right-of-way. This corridor is operated and maintained by the Southern California Regional Rail Authority (SCRRA) for the Metrolink Commuter Rail Service. In addition, the Union Pacific Railroad (UPRR) provides freight service along this corridor.

The Project is located in close proximity to the Bob Hope Airport /Hollywood Way Station Project between MP 13.5 and MP 13.8. This Project and the Bob Hope Airport Station/Hollywood Way Station Project, represent two related projects that, in combination, will provide for overall operational flexibility along the Valley Subdivision. Both projects are contractually separate. This project adds capacity to Antelope Valley line and improves operations and passenger service while reducing travel times.

Funding Commitment

The Project is funded from Measure R 3% and state funds. This Project is the Number 2 ranked project on the Memorandum of Understanding (MOU) between the California High Speed Rail Authority (CHSRA) and several southern California agencies, including Metro. This MOU provides funding from Proposition 1A bonds and other sources for eligible projects.

<b>FUNDING SOURCE</b>	<b>FINAL DESIGN</b>
Proposition 1A	\$55 million
Measure R 3%	\$3 million
Other Sources	\$52 million
<b>TOTAL</b>	<b>\$110 million</b>

**DETERMINATION OF SAFETY IMPACT**

The Project will upgrade 15 at-grade crossings to current SCRRA design standards. In addition, the Project will incorporate SCRRA's new Positive Train Control standards. Site-specific safety features will be identified through the FHWA's Manual on Uniform Traffic Control Devices grade crossing diagnostic process, whereby the LADOT, Metrolink, and the CPUC will review each crossing in accordance with Metrolink and CPUC best practices. The findings of the diagnostic review will be used to select safety improvement features such as pedestrian gates, emergency egress swing gates, and channelization handrails that will be included on the engineering drawings.

## **FINANCIAL IMPACT**

The total funding from Measure R 3% is \$3 million, of which \$1,500,000 for this Project is included in the FY15 budget in department 2415, Regional Rail, Project No. 460074, Task 6.2.02.01. Since this is a multi-year contract, the cost center manager, and Executive Director, Engineering and Construction will be accountable and responsible for budgeting the cost of future fiscal year requirements.

### **Impact to Budget**

Source of Funds: \$1,500,000 million in Measure R 3% funds.

## **ALTERNATIVES CONSIDERED**

The Board could choose not to award the contract to STV and decide not to pursue the Brighton to Roxford Double Track Project. This alternative is not recommended due to the significant benefits that the Brighton to Roxford Double Track Project provides to commuter rail transportation and the SCRRRA Antelope Valley subdivision. In addition, it should be noted that this project is currently on CHSRA/Metro MOU listed as second highest priority to receive funding and if not awarded Metro will lose that funding.

## **NEXT STEPS**

Upon approval by the Board, staff will execute the contract, and begin the services for the Brighton to Roxford Double Track Project.

## **ATTACHMENTS**

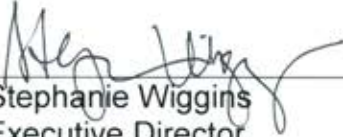
- A. Procurement Summary
- B. Project Map

Prepared by: Don Sepulveda, P.E., Executive Officer, Regional Rail, (213) 922-7491



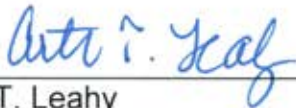
---

Bryan Pennington  
Executive Director  
Engineering and Construction



---

Stephanie Wiggins  
Executive Director  
Vendor/Contract Management



---

Arthur T. Leahy  
Chief Executive Officer

## PROCUREMENT SUMMARY

## BRIGHTON TO ROXFORD DOUBLE TRACK PROJECT

1.	Contract Number: PS2415-3412	
2.	Recommended Vendor: STV, Inc.	
3.	Type of Procurement (check one): <input type="checkbox"/> IFB <input type="checkbox"/> RFP <input checked="" type="checkbox"/> RFP-A&E <input type="checkbox"/> Non-Competitive <input type="checkbox"/> Modification <input type="checkbox"/> Task Order	
4.	Procurement Dates:	
	A. Issued: 09/15/14	
	B. Advertised/Publicized: 09/15/14	
	C. Pre-proposal/Pre-Bid Conference: 09/22/14	
	D. Proposals/Bids Due: 10/14/14	
	E. Pre-Qualification Completed: 01/06/15	
	F. Conflict of Interest Form Submitted to Ethics: 11/13/14	
	G. Protest Period End Date: 04/06/15	
5.	Solicitations Picked up/Downloaded: 108	Bids/Proposals Received: 2
6.	Contract Administrator: Ben Calmes	Telephone Number: (213) 922-7341
7.	Project Manager: Don Sepulveda	Telephone Number: (213) 922-7491

**A. Procurement Background**

This Board Action is to approve Contract No. PS2415-3412 issued in support of the Brighton to Roxford Double Track Project for professional Architectural and Engineering (A&E) services.

The RFP was issued in accordance with Metro's Acquisition Policy and Procedure, and the contract type is cost-plus-fixed-fee.

Two amendments were issued during the solicitation phase of this RFP:

- Amendment No. 1, issued on September 23, 2014, provided minutes of the Pre-Proposal Conference and attendee sign-in sheets;
- Amendment No. 2, issued on September 30, 2014, provided answers to questions received regarding the RFP.

A pre-proposal conference was held on September 22, 2014 and was attended by 38 participants. Seventeen questions were asked and answers were released prior to the proposal due date. Two proposals were received by the due date, October 14, 2014.

## **B. Evaluation of Proposals/Bids**

A Proposal Evaluation Team (PET) consisting of staff from Regional Rail, Orange County Transportation Authority, City of Palmdale, and the Southern California Regional Rail Authority (Metrolink) was convened and conducted a comprehensive technical evaluation of the proposals received.

The proposals were evaluated based on the following evaluation criteria and weights:

- Skill and Experience of the Team                      35 percent
- Project Management Plan                                      25 percent
- Project Understanding    40 percent

The evaluation criteria are appropriate and consistent with criteria developed for other, similar A&E services. Several factors were considered when developing these weights, giving the greatest importance to the qualifications and experience of the personnel and the demonstrated understanding of the project.

This is an A&E qualifications based procurement. Price cannot be used as an evaluation factor pursuant to state and federal law. SBE preference is not applicable to A&E procurements.

Of the two proposals received, both were determined to be within the competitive range. The firms within the competitive range are listed below in alphabetical order:

1. HDR Engineering, Inc.
2. STV, Inc.

During the period October 15, 2014 to October 22, 2014, the PET evaluated and independently scored the technical proposals. The PET met on October 22, 2014 and determined that both proposers were in the competitive range. On October 29, 2014, the PET met to interview the firms and their proposed teams. The firm's proposed project managers and key personnel had an opportunity to present their team's qualifications and respond to the PET's questions.

Each team's presentation addressed the requirements of the RFP, experience with heavy rail engineering tasks, and proposed solutions. Each team was asked questions relative to each firm's qualifications and understanding of the project.

At the conclusion of the interviews, the PET met and completed their technical scores based on both written proposals and oral interviews.

**Qualification Summary of the Recommended Firm:**

STV, Inc. (STV) has provided continuous services to Metro and Metrolink for over 20 years including work in the Brighton to Roxford rail corridor such as Metro's East San Fernando Valley Transit Corridor project and Metrolink's Sun Valley Siding project. These projects include extensive experience with the stakeholders involved such as the Union Pacific Railroad, Amtrak, the Los Angeles Department of Transportation and the cities of Los Angeles and Burbank.

STV's proposed Project Manager has over 20 years of experience successfully delivering heavy rail projects from conceptual studies to final design, specifications, and construction bidding and administration. STV provides project experience with similar complex issues including Metrolink's Sun Valley Siding, San Gabriel Subdivision Track Improvements, Pomona to Montclair Second Main Track, and the Riverside County Transportation Commission's Perris Valley Line extension.

STV's project team includes Small Business Enterprises with a history performing similar services satisfactorily for Metro.

The final scoring, after the interviews, for the top ranked team is as follows:

1	FIRM	Average Score	Factor Weight	Weighted Average Score	Rank
2	STV, Inc.				
3	Skill and Experience of the Team	84	35.00%	29.40	
4	Project Management Plan	84	25.00%	21.00	
5	Project Understanding	80	40.00%	32.00	
6	Total		100.00%	82.40	1

The final scoring, after the interviews, for the second ranked team is as follows:

1	FIRM	Average Score	Factor Weight	Weighted Average Score	Rank
2	HDR Engineering, Inc.				
3	Skill and Experience of the Team	84	35.00%	29.40	
4	Project Management Plan	71	25.00%	17.75	
5	Project Understanding	80	40.00%	32.00	
6	Total		100.00%	79.15	2

**C. Cost/Price Analysis**

The recommended price has been determined to be fair and reasonable based upon cost analysis including MASD audit, technical evaluation, fact-finding, and negotiations.

<b>Proposer Name</b>	<b>Proposal Amount</b>	<b>Estimate</b>	<b>Negotiated Amount</b>
STV, Inc.	\$16,580,291	\$11,103,750	\$13,594,016

**D. Background on Recommended Contractor**

The recommended firm, STV, Inc. (STV), headquartered in Douglassville, PA, with offices nationwide, including Los Angeles, has been in business for over 100 years. STV provides engineering services and consistently ranks in the top 25 firms in rail and mass transit.

Rail projects that STV has managed satisfactorily for Metro in the past five years include the San Fernando Valley Subregional Mobility Matrix, Metro Airport Connector draft Environmental Impact Statement (EIS) and Environmental Impact Report (EIR), the South Bay Green Line Extension EIS/EIR, Metro Blue, Green & Gold Lines Operations Capital Improvement Assessment, and Metro Red Line Station Canopies.

**E. Small Business Participation**

The Diversity and Economic Opportunity Department (DEOD) established a 25% Small Business Enterprise (SBE) goal for this solicitation. STV Incorporated exceeded the goal by making a 29.21% SBE commitment.

<b>SMALL BUSINESS GOAL</b>	<b>25% SBE</b>	<b>SMALL BUSINESS COMMITMENT</b>	<b>29.21% SBE</b>
----------------------------	----------------	----------------------------------	-------------------

	<b>SBE Subcontractors</b>	<b>% Committed</b>
1.	Bullock & Associates, Inc.	3.02%
2.	Cornerstone Studios, Inc.	0.63%
3.	Diaz Yourman & Associates	2.86%
4.	Epic Land Solutions, Inc.	1.13%
5.	Lin Consulting	3.37%
6.	Pacific Railway Enterprise, Inc.	13.11%
7.	Ryan Snyder Associates, LLC	0.23%



8.	Wagner Engineering & Surveying, Inc.	4.86%
	<b>Total Commitment</b>	<b>29.21%</b>

**F. Living Wage and Service Contract Worker Retention Policy Non-Applicability**

The Living Wage and Service Contract Worker Retention Policy (LW/SCWRP) will not be applicable on this contract.

**G. All Subcontractors Included with Recommended Contractor's Proposal**

	<b>Subcontractor</b>	<b>Services Provided</b>
1.	Bullock & Associates, Inc.	Utility Engineering
2.	Cornerstone Studios, Inc.	Landscape Architecture
3.	Diaz Yourman & Associates	Geotechnical Services
4.	Epic Land Solutions, Inc.	Right of Way Consulting
5.	HNTB Corporation	Civil Engineering
6.	ICF Jones & Stokes, Inc.	Environmental Compliance Services
7.	J.L. Patterson & Associates, Inc.	Engineering Services
8.	LIN Consulting, Inc.	Traffic Engineering Services
9.	Pacific Railway Enterprises, Inc.	Signal & Communication Design
10.	Ryan Snyder Associates, LLC	Bicycle, Transportation Planning
11.	Wagner Engineering & Survey, Inc.	Surveying, Mapping

# ATTACHMENT B – PROJECT MAP

