

PROCUREMENT SUMMARY
TUNNEL ADVISORY PANEL
CONTRACT NO. PS-2020-1055

1.	Contract Number: PS-2020-1055		
2.	Contractor: Geoffrey Martin		
3.	Mod. Work Description: Continued Tunnel Advisory Panel support		
4.	Contract Work Description: Tunnel Advisory Panel		
5.	The following data is current as of: March 23, 2020		
6.	Contract Completion Status		Financial Status
	Contract Awarded:	5/1/2001	Contract Award Amount: \$326,000
	Notice to Proceed (NTP):	5/1/2001	Total of Modifications Approved: \$1,764,006
	Original Complete Date:	1/28/2015	Pending Modifications (including this action): \$910,475
	Current Est. Complete Date:	6/30/2020	Current Contract Value (with this action): \$3,000,481
7.	Contract Administrator: Tim Clark		Telephone Number: (323) 900-2110
8.	Project Manager: Androush Danielians		Telephone Number: (213) 922-7598

TUNNEL ADVISORY PANEL
CONTRACT NO. PS-8510-2493

1.	Contract Number: PS-8510-2493		
2.	Contractor: Edward Cording		
3.	Mod. Work Description: Continued Tunnel Advisory Panel support		
4.	Contract Work Description: Tunnel Advisory Panel		
5.	The following data is current as of: April 16, 2020		
6.	Contract Completion Status		Financial Status
	Contract Awarded:	1/29/2010	Contract Award Amount: \$1,225,000
	Notice to Proceed (NTP):	1/29/2010	Total of Modifications Approved: \$850,778
	Original Complete Date:	1/28/2015	Pending Modifications (including this action): \$923,457
	Current Est. Complete Date:	6/30/2020	Current Contract Value (with this action): \$2,999,235
7.	Contract Administrator: Tim Clark		Telephone Number: (323) 900-2110
8.	Project Manager: Androush Danielians		Telephone Number: (213) 922-7598

**TUNNEL ADVISORY PANEL
CONTRACT NO. PS-1620-1000**

1.	Contract Number: TBD	
2.	Recommended Vendor: Dr. O'Rourke	
3.	Type of Procurement (check one): <input type="checkbox"/> IFB <input type="checkbox"/> RFP <input type="checkbox"/> RFP-A&E <input checked="" type="checkbox"/> Non-Competitive <input type="checkbox"/> Modification <input type="checkbox"/> Task Order	
4.	Procurement Dates:	
	A. Issued: N/A	
	B. Advertised/Publicized: N/A	
	C. Pre-proposal/Pre-Bid Conference: N/A	
	D. Proposals/Bids Due: N/A	
	E. Pre-Qualification Completed: TBD	
	F. Conflict of Interest Form Submitted to Ethics: TBD	
	G. Protest Period End Date: N/A	
5.	Solicitations Picked up/Downloaded: N/A	Bids/Proposals Received: N/A
6.	Contract Administrator: Eva Rodriguez	Telephone Number: (323)900-2111
7.	Project Manager: Androush Danielians	Telephone Number: (213) 922-7598

A. Procurement Background

This Board Action is to approve modifications in support of continued Tunnel Advisory Panel (TAP) support by Dr. Martin and Dr. Cording and award a sole source contract to Dr. O'Rourke.

Dr. Thomas O'Rourke is nationally and internationally recognized expert in the field of tunnels, seismology, geology, structures and Fault Rupture Deformation. Dr. O'Rourke is the Thomas R. Briggs Professor of Engineering, School of Civil & Environmental Engineering at Cornell University. His teaching and professional practice include geotechnical engineering for earth retention systems, foundations, and soil/structure interaction; earthquake engineering; underground construction technology, and engineering of large, geographically distributed systems such as water supplies, gas and liquid fuel systems, electric power, and transportation facilities. He has authored or co-authored over 340 publications on geotechnical, underground, earthquake engineering, and impact of extreme events on civil infrastructure.

Dr. O'Rourke was part of the Independent Review Panel convened by Metro CEO in September 2011 for the Westside Purple Line Extension Project (Contract No. PS85102798) to review and validate the technical approach and conclusions drawn by the Metro's

Consultants regarding earthquake faults in the general vicinity of Century City or tunneling through Beverly Hills and Century City.

On May 1, 2001, Contract No. PS-2020-1055 was awarded to Geoffrey Martin in the amount of \$326,000. On January 28, 2010, and PS-8510-2493 was awarded to Edward Cording, in the amount of \$1,225,000. The Board also authorized additional Modifications increasing the contract value and extending the period of performance to June 30, 2020. This Board Action is to approve the continuation of services of the TAP in support of Metro on various projects. Los Angeles County has challenging geologic and tunneling conditions and deep underground station construction, with some through tar impregnated soil, toxic gasses, and high concentration of methane. The TAP members, comprised of Dr. Geoffrey Martin, Dr. Edward Cording, and Dr. O'Rourke are recognized in the industry and throughout the world as engineering/construction experts in the areas of geotechnical analyses, tunneling, deep excavation, earthquake engineering and building settlements.

The proposed contract actions will be processed in accordance with Metro's Acquisition Policy and the contract type for each contract is a Labor Hour Contract.

B. Cost/Price Analysis

The existing individual Labor Hour contracts contain a fixed, negotiated labor rate of \$250 per hour which was established in 2015. Negotiations have resulted in the individual hourly rates for each contract being increased to \$300 per hour plus travel expenses. The Metro ICE is based on a labor rate (direct cost, overhead, and profit) of \$327.40 in the first year of the extension with escalation up to \$347.00 in the third year. The recommended amounts for the Modifications have determined fair and reasonable upon cost/price analysis, fact-finding, technical analysis and negotiations. The recommended not-to-exceed amount for the Contract with Dr. O'Rourke contains the same \$300 per hour plus travel expenses rates as the existing TAP contracts.

CONTRACT NO. PS-2020-1055

Modification	Metro ICE	Not-To-Exceed Amount
No. 11 – Increase Contract Value and extend Contract to June 30, 2023	\$1,077,963	\$910,475

CONTRACT NO. PS-8510-2493

Modification	Metro ICE	Not-To-Exceed Amount
No. 8 – Increase Contract Value and extend Contract to June 30, 2023	\$1,030,944	\$923,457

CONTRACT NO. PS-1620-1000

Award	Metro ICE	Not-To-Exceed Amount
Contract from June 1, 2020 to June 30, 2023	\$1,058,739	\$947,457