



# Tunnel Advisory Panel Services

## *Contract Extensions*

*Construction Committee*

*April 15, 2026*

*File No. 2026-0137*

*Androush Danielians*

*Senior Executive Officer, Program Management*



**Metro**

# RECOMMENDATION

AUTHORIZE the Chief Executive Officer to:

- A. EXECUTE Modification No. 01 to Contract No. PS1334-5600 with Dr. Youssef Hashash to continue to provide Tunnel Advisory Panel Services, in an amount Not-To-Exceed (NTE) \$781,459 increasing the total contract value from \$329,562 to \$1,111,021 and extend the contract from June 30, 2026, to June 30, 2029; and
- B. EXECUTE Modification No. 09 to Contract No. PS-8510-2493 with Dr. Edward J. Cording, to continue to provide Tunnel Advisory Panel Services, in an amount NTE \$781,610, increasing the total contract value from \$3,671,235 to \$4,452,845 and extend the contract from June 30, 2026 to June 30, 2029; and
- C. EXECUTE Modification No. 03 to Contract No. PS1620-80000, with Dr. Thomas O'Rourke, to continue to provide Tunnel Advisory Panel Services, in an amount NTE \$642,469, increasing the total contract value from \$1,586,457 to \$2,228,926 and extend the contract from June 30, 2026, to June 30, 2029.



# TUNNEL ADVISORY PANEL



- The Tunnel Advisory Panel (TAP) was originally convened in August 1995 in response to questions posed by the Board regarding the feasibility of tunneling in Los Angeles ground conditions.
- The TAP members, Dr. Hashash, Dr. Cording, and Dr. O'Rourke, have been providing advice on Metro projects with extensive underground engineering and construction
  - Dr. Youssef Hashash - Distinguished Professor of Civil Engineering at the University of Illinois Urbana-Champaign.
  - Dr. Edward Cording - Former Professor of Civil Engineering from the University of Illinois Urbana-Champaign with emeritus status.
  - Dr Tom O'Rourke - Professor of Engineering Emeritus at Cornell University and President of the Earthquake Engineering Research Institute.
- Projects involve complex geotechnical and tunneling issues in both soils and rock for which the TAP members are uniquely qualified.

# CURRENT ACTIVE PROJECTS WITH TUNNEL SEGMENTS



- Metro is currently planning, designing, and constructing rail transit projects with extensive underground engineering and construction that involve complex geotechnical and tunneling conditions
  - Purple (D) Line Extension
  - Southeast Gateway Line
  - Sepulveda Transit Project
  - Eastside Transit Corridor Phase 2
  - K Line Northern Extension
- All the projects listed above are at critical stages in their respective planning, engineering, and construction phases



Thank you



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