



**MEMORANDUM  
PUBLIC WORKS  
ENGINEERING DIVISION**  
County of Placer

**TO:** Honorable Board of Supervisors **DATE:** December 7, 2021  
**FROM:** Ken Grehm, Director of Public Works  
**BY:** Phil Vassion, Associate Civil Engineer  
**SUBJECT:** Approve Plans and Specifications/Authorization to Advertise / HSIP-Foresthill Road High Friction Surface Treatment Project

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**ACTION REQUESTED**

Adopt a Resolution to approve the plans and specifications for the Foresthill Road High Friction Surface Treatment Project included in the Department of Public Works FY 2021-22 Budget funded by the Federal Highway Safety Improvement Program and authorize the Director of Public Works, or designee, to advertise for construction bids.

**BACKGROUND**

Foresthill Road is a rural arterial roadway in Placer County that has many horizontal curves. For many of these curves the existing pavement surface is deteriorating. As part of the Systemic Safety Analysis Reporting Program (SSARP) funding administered by Caltrans, it was determined by the department that five different segments along Foresthill Road experience higher than normal run-off-the-road and centerline crossover collisions. The collisions were attributable to vehicles traveling at high speeds in wet roadway conditions, thus losing traction with the roadway surface, mainly due to areas of the road where previous applications of pavement surfacing are now deteriorating.

As a solution to reduce the number of collisions, the department applied for the Cycle 9 Federal Highway Safety Improvement Program (HSIP) funding in August, 2018 to install high friction surface treatment along the five segments on Foresthill Road. High Friction Surfacing Treatment, also known as anti-skid surfaces, are pavement surface treatment systems that are composed of tough polish-resistant, abrasion-resistant aggregates bonded to the pavement surface using a resin. The aggregates are very coarse and are designed to keep vehicles on the pavement surface as they negotiate a curve, especially in wet conditions. As a result of the HSIP Cycle 9 application, the department was awarded funding in November, 2018 in order to address these deficiencies. The engineer's estimate includes an add alternate for additional high friction treatment locations. The design contract was awarded to Dokken Engineering on January 14, 2021 and the anticipated date for construction is Summer2022.

**ENVIRONMENTAL IMPACT**

A Notice of Exemption was prepared, pursuant to the California Environmental Quality Act (CEQA) with State Clearing House No. 2020070204 on July 10, 2020. A Categorical Exclusion Determination was approved by Caltrans on July 20, 2020, in compliance with the National Environmental Policy Act (NEPA).

Honorable Board of Supervisors

December 7, 2021

Approve Plans and Specifications/Authorization to Advertise / HSIP-Foresthill Road High Friction Surface Treatment Project

Page 2

**FISCAL IMPACT**

The estimated project construction cost is \$1,896,400 for the base project and \$569,800 for the add alternate making a total of \$2,466,200. The base project is funded through the Highway Safety Improvement Program (HSIP) Funds and is included in the Department of Public Works FY 2021-22 Budget under the line item PJ00933 "Foresthill Road High Friction Surface Treatment Project". The add alternate portion of the project will only be constructed if bids come in below the base project costs.

**ATTACHMENTS**

Resolution

Location Map

On File with Clerk of the Board: Plans and Specifications

# Before the Board of Supervisors County of Placer, State of California

**In the matter of:** A resolution approving the plans and specifications for the Foresthill Road High Friction Surface Treatment Project and authorizing the Director of Public Works, or designee, to advertise for construction bids.

Resolution No.: \_\_\_\_\_

The following Resolution was duly passed by the Board of Supervisors of the County of Placer at a regular meeting held December 7, 2021, by the following vote:

Ayes:

Noes:

Absent:

Signed and approved by me after its passage.

\_\_\_\_\_  
Chair, Board of Supervisors

Attest:

\_\_\_\_\_  
Clerk of said Board

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BE IT RESOLVED that the Board of Supervisors, County of Placer, State of California, that this Board approves the project plans and specifications for the Foresthill Road High Friction Surface Treatment Project and authorizes the Director of Public Works, or designee, to advertise for construction bids.

LOCATION MAP

