



COUNTY OF NEVADA
COMMUNITY DEVELOPMENT AGENCY
DEPARTMENT OF PUBLIC WORKS
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NEVADA COUNTY BOARD OF SUPERVISORS
Board Agenda Memo

MEETING DATE: March 14, 2017

TO: Board of Supervisors

FROM: Joshua Pack, Principal Civil Engineer

SUBJECT: **Resolution to Award a Contract to Welco Underground Construction for Emergency Repairs to Brunswick Road – District III**

RECOMMENDATION: Approve the attached Resolution to award the emergency contract to Welco Underground Construction.

FUNDING: This project has been identified in Nevada County's Initial Damage Estimate (IDE) paperwork in coordination with Cal OES and FEMA. Staff will be seeking reimbursement for the proposed work. In order to expedite the emergency repairs, staff will utilize existing Road Fund dollars impacting the Fiscal Year 2016/17 Road CIP Budget. There is no impact on the general fund and no budget amendment is needed.

BACKGROUND: On February 28, 2017 the Board of Supervisors approved Resolution 17-103, ratifying a local emergency proclamation by the Nevada County Director of Emergency Services and declared a further emergency due to extreme and cumulative precipitation, atmospheric rivers, and storms in February 2017 which caused significant damage to roads. The Resolution also authorizes the County Road Commissioner to make necessary repairs to county highways.

Due to the first series of atmospheric river events that hit Nevada County, approximately 150' section of southbound Brunswick Road south of East Bennett Street began to settle. As these storms continued through Nevada County, this portion of road continued to settle and slip. The southbound lane was closed in early February, as this portion of road has settled by more than 14 inches.

Based on data from a 2007 geotechnical report of this portion of road and discussions with local contractors and geotechnical engineers, staff believes a major contributor to the road failure is due to excessive ground water saturating the road fill material used when the road was built more than 50 years ago. The depth of roadway fill in the area of the failure ranges from 5' deep to 25' deep.

Staff believes that drilling and installing horizontal drains into the roadway fill will relieve some of the hydrostatic pressure on the fill and help minimize the risk of continued settlement/slip. In addition,

relieving the saturated conditions will allow staff to schedule future permanent repairs to Brunswick Road later this spring or summer.

Staff discussed the installation of the proposed horizontal drains with three contractors in an effort to deliver these emergency services. Welco Underground Construction was deemed to be the most qualified. Welco can install the necessary emergency drains for a maximum not to exceed amount of \$75,000 and will be paid based on time and materials utilized for the necessary work.

The standard construction contract has been used with the deletion of the standard Record Documents and As-Built Drawings clauses since there are no project plans and specifications to keep records on nor drawings to create as-builts from. Construction is scheduled to begin immediately after the contract is executed.

Item Initiated by: Joshua Pack, Principal Civil Engineer

Approved by: Trisha Tillotson, Director of Public Works

Submittal Date: March 7, 2017