



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

MEETING DATE: July 11, 2017

TO: Board of Supervisors

FROM: Joshua Pack, Principal Civil Engineer

SUBJECT: **Resolution to Award a Contract to Hanson Bros. Enterprises for the Brunswick Road Emergency Slide Repair Project – District III**

RECOMMENDATION: Approve the attached Resolution to award the emergency contract to Hansen Bros. Enterprises for the Brunswick Road Emergency Slide Repair Project.

FUNDING: This project has been identified in Nevada County's Initial Damage Estimate (IDE) paperwork in coordination with Caltrans and the Federal Highways Administration (FHWA). 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 2017/18 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, a 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 was due to excessive ground water saturating the road fill material used when the road was built more than 50 years ago.

On March 14, 2017 the Board of Supervisors approved Resolution 17-125, awarding a contract to Welco Underground Construction for emergency stabilization and repairs to Brunswick Road that included in the installation of horizontal drains. The installation of horizontal drains into the roadway fill relieved some of

the hydrostatic pressure on the fill to help minimize the risk of continued settlement/slip. In addition, relieving the saturated conditions allowed staff to schedule the permanent repairs to Brunswick Road.

The proposed contract will construct the permanent repairs that includes the installation of a 300-foot long French drain on the east side of the roadway. The French drain will be approximately 16 feet deep and will outlet to the west side of the roadway along the toe of the existing slope. The project also includes the removal of approximately 300 linear feet of roadway approximately 8 feet in depth, rebuilding the failed fill section, and repaving the damaged area.

Staff will be working with HDR Construction Control Corporation to provide construction management and inspection services during construction of the project.

Due to the extensive road repairs and roadway stability and safety issues during construction, Brunswick Road will be closed to thru traffic from Highway 174 to Greenhorn Road / East Bennett Road. A proposed detour plan has been included as Exhibit A. Construction is scheduled to begin on July 17, 2017 and be completed on or before August 11, 2017.

On June 29, 2017 3 bids were opened and three (3) contractors submitted responsive bids that includes a base bid and two optional bid alternates:

Bid Number	Contractor	Base Bid Completion by 8/11	Bid Alternate 1 Completion by 8/4	Bid Alternate 2 Completion by 7/28	Maximum Base Bid + Bid Alternates 1 & 2
1	Hansen Bros. Enterprises	\$605,289	\$15,000	\$15,000	\$635,289
2	C&D Contractors, Inc.	\$699,901	\$60,000	\$30,000	\$789,901
3	Q&D Construction Inc.	\$951,080	No Bid	No Bid	\$951,080
<i>Engineer's Estimate</i>		<i>\$635,052</i>			

The total of the base bid plus the alternative bid items from Hansen Bros. Enterprises is \$635,289.

Staff recommends awarding to the low bidder Hansen Bros. Enterprises in the amount of \$635,289 plus a 10% contingency of \$63,529, for a total amount not to exceed of \$698,818.

Item Initiated by: Joshua Pack, Principal Civil Engineer

Approved by: Trisha Tillotson, Director of Public Works

Submittal Date: June 19, 2017

Revision Date: June 30, 2017