



EL DORADO COUNTY

DEPARTMENT OF TRANSPORTATION

INTEROFFICE MEMORANDUM

PLACERVILLE OFFICES:**MAIN OFFICE :**

2850 Fairlane Court, Placerville, CA 95667
(530) 621-5900 / (530) 626-0387 Fax

CONSTRUCTION & MAINTENANCE :

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LAKE TAHOE OFFICES:**ENGINEERING:**

924 B Emerald Bay Road, South Lake Tahoe, CA 96150
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MAINTENANCE:

1121 Shakori Drive, South Lake Tahoe, CA 96150
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Date: April 8, 2024

To: Honorable Board of Supervisors
Chief Administrative Officer

From: Rafael Martinez, Director

Subject: **Contract Change Orders on Patterson Drive Emergency Repair Project**

On March 12, 2024, the Board of Supervisors declared that an emergency existed due to the presence of a sinkhole that was undermining Patterson Drive near Diamond Springs. Since then, the Department of Transportation has performed tasks related to this emergency as follows:

- Located EID facilities and other underground utility infrastructure near the sinkhole
- Prepared an estimate of construction cost, along with a bid package comprised of plans and specifications
- Sent the bid package to 4 prospective bidders on March 15
- Opened bids on March 22
- Awarded the repair contract to Doug Veerkamp General Engineering on March 22
- Started construction on April 1

The cause of the sinkhole has been determined to be a failed 30-inch diameter corrugated steel pipe culvert running under Patterson Drive. On April 2, Transportation determined that an additional 15 feet of the failed 30-inch diameter culvert would need to be replaced on the westerly end of the project in order to provide a clean tie-in point to the new culvert being installed by a private property owner from County right-of-way downstream to the ultimate outlet into Patterson Lake. This will also provide a brand-new culvert through the entire swath of the County right-of-way at Patterson Drive. Then, on April 3, a significant amount of supersaturated material was found underneath and around the failed culvert as it was removed. This supersaturated material must be removed and replaced with competent material that will provide a stable bedding onto which the new culvert will be placed.

While it was not possible to know that these problems existed prior to bid, it is essential that these problems be addressed to successfully replace the failed culvert. It is still very early in the process of addressing these changes, but Transportation felt it important to inform the Board immediately that the estimated cost of these changes will exceed Transportation's change order authority pursuant to Board of Supervisors Resolution 102-2012, which states that the cumulative value of all contract change orders on a project may not exceed 10% of the original contract value. For this project, the original contract value is \$189,000. The current estimate for all the project's contract change orders is approximately \$50,000, but this may increase if the extra work described above pushes the project past its originally



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anticipated completion date.

Transportation will bring this project's contract change orders in excess of 10% of the original contract value to the Board for retroactive ratification at the Board's meeting in June 2024.

Please contact me if you have any questions.



15' deep culvert excavation under Patterson Drive



Damaged/destroyed culvert removed from roadway

(Pictures taken April 4, 2024)