


County of Santa Clara
Roads and Airports Department



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DATE: May 2, 2024

TO: Honorable Board of Supervisors
County Executive James R. Williams

FROM: Harry Freitas, Director, Roads and Airports Department 

SUBJECT: Monthly Reporting of 2022/2023 Winter Storm Damage Repairs
Futures ID#2023-090

This memorandum provides an update regarding the progress to repair roads damaged in the 2022/2023 winter storms.

BACKGROUND

In late December 2022 through March 2023, Santa Clara County endured a continuous series of heavy rain, snow, and windstorms resulting in damage to multiple County roads. On Tuesday, January 10, 2023, the Board of Supervisors ratified a Proclamation of Local Emergency by the Director of Emergency Services relating to winter storm events. On January 14, 2023, the Federal Emergency Management Agency (FEMA) issued Major Disaster Declaration FEMA DR-4683-CA which was ultimately amended to designate Santa Clara County as eligible for Public Assistance.

On February 7, 2023, the Roads and Airports Department brought forward a report (Item #18) to the Board of Supervisors on the damages sustained from the December/January storms. At that time, there were ten damage sites totaling approximately \$7.3 million to repair and two road closures were noted (Mines Road and Bear Creek Road). As discussed in the February 7 report, Bear Creek Road was evaluated by geotechnical engineers and deemed safe to reopen for one-lane passage on January 31. Also, repairs were made to the closed portion of Mines Road, and it was reopened on February 17.

On Tuesday, March 14, 2023 (Item #84), the Board of Supervisors ratified an additional Proclamation of Local Emergency by the Director of Emergency Services relating to winter rain and snowstorms that occurred in February and March.

On April 18, the Roads and Airports Department brought forward a report (Item #10) to the Board of Supervisors updating the damage report with a cumulative number of damaged

sites at twenty, and a total preliminary cost estimate to repair of \$15.4 million. The attached spreadsheet (Attachment A) provides a complete list of the storm damage sites by location. More detailed project status is shown in Attachment A. Attachment B shows details of the notable projects.

Additional Schedule Considerations

Some road repair locations that involve the conveyance of water through pipes or the construction within natural drainage swales are experiencing schedule impacts due to resource agency permitting processing. Permits are required from the U.S. Army Corps of Engineers, Fish and Wildlife, and the Regional Water Quality Control Board. The requirements for conducting environmental assessments, ascertaining potential ecological concerns, and mitigating any adverse effects may add delay to some permanent repair projects. The project team is actively working with the resources agencies and expert consultants to ensure compliance with all permitting requirements while finding efficient ways to expedite the restoration of the roads through temporary measures if necessary.

Notable Progress Since Last Report

This is the eleventh monthly report that will inform the Board of Supervisors and stakeholders of the progress being made toward repair of the damaged roads.

- **San Antonio Valley Road Site 5** – Construction of retaining structure is complete and new roadbed construction is underway. It is anticipated that work will be substantially completed in early May.
- **San Antonio Valley Road Site 4** – Site preparation commenced in early April, Construction of retaining structure underway. It is anticipated that work will be substantially completed in late May.
- **Old Santa Cruz Highway Site 1** – Consultant services are underway to establish permanent repairs. Environmental review of site conditions is pending authorizations to enter adjacent private properties. Final plans have been finalized for construction of stable temporary one-way access and materials being ordered. Site mobilization and preparation work is expected to begin during the week of May 6th with an anticipated construction timeframe of 4 weeks.
- **Clayton Road** – A temporary gravel road access was installed Summer 2023. The site was winterized and is periodically monitored, and road maintenance crews have periodically regraded the roadbed to ensure access remains open.

- **Attachment A: sites 15 to 32** – Consultant services will be retained to facilitate project development and navigation of complex environmental requirements. The Department is commencing negotiations with engineering consultants to provide needed services. It is anticipated that agreements will be executed for remaining projects late Spring/ early Summer.

Cc: Chief Board Aides

Greta S. Hansen, Chief Operating Officer

Anthony LoPresti, County Counsel

Curtis Boone, Acting Clerk of the Board of Supervisors

Shawn Whiteman, Program Manager

Mary Ann Barrous, Agenda Review Administrator

Lorena Cholula, Budget and Public Policy Analyst

ATTACHMENT A

2022/2023 Winter Storm Damage - APRIL 2024

Site Number	Status of Route/Closure	Site Name	Repair Location	% Complete (Phase)			Comments
				Damage Assessment	Design	Complete - Construction	
1	O	Bear Creek Road Site 1	1 Miles SW of HWY 17	100%	100%	100%	Construction complete
2	P	Old Santa Cruz Hwy Site 2	0.5 Miles NW of Idylwild Rd	100%	100%	100%	Construction complete
3	O	Black Road Site 1	1.5 Miles SE of Skyline Blvd	100%	100%	100%	Construction complete
4	O	West Rd	800' W of Wood Acres Rd (.3 Miles E of Hwy 9)	100%	100%	98%	Construction substantially complete, with cleanup and closeout to follow
5	O	Clayton Rd	1 Mile SE of Mt Hamilton Rd (HWY 130)	100%	100%	100%	Temporary gravel access has been established. The site is being monitored following rain events. Road crews are regrading the roadbed when needed.
5b	O	Clayton Rd - Permanent Repairs	1 Mile SE of Mt Hamilton Rd (HWY 130)	100%	10%	0%	Consideration of geotechnical recommendations underway.
6	P	San Antonio Valley Road Site 3	13 Miles SE of Alum Rock Ave	100%	100%	98%	Construction substantially complete, touch up paving and striping to be done weather permitting, cleanup and closeout to follow
7	O	Mines Road Site 1	5.5 Miles N of San Antonio Valley Rd	100%	100%	100%	Construction complete, final striping to be done by County forces
8	O	Mines Road Site 2	6 Miles N of Mt Hamilton Rd (Hwy 130)	100%	100%	100%	Construction complete, final striping to be done by County forces
9	P	San Antonio Valley Road Site 1	15 Miles SE of Alum Rock Ave	100%	100%	98%	Construction substantially complete, cleanup and closeout to follow
10	P	San Antonio Valley Road Site 2	15 Miles SE of Alum Rock Ave	100%	100%	98%	Construction substantially complete, touch up paving and striping to be done weather permitting, cleanup and closeout to follow
11	P	San Antonio Valley Road Site 4	15 Miles SE of Alum Rock Ave	100%	100%	30%	Construction ongoing, Micropile installation underway.
12	P	San Antonio Valley Road Site 5	16 Miles SE of Alum Rock Ave	100%	100%	75%	Construction of retaining structure substantially complete. Construction of new roadbed underway.
13	P	Aldercroft Heights Site 2	1 Mile SE of Old Santa Cruz Hwy	100%	0%	0%	Department has commenced negotiations with an engineering firm to develop engineered plans and provide environmental permitting support.
14	F	Old Santa Cruz Hwy Site 1	0.4 Miles NW of Idylwild Rd	100%	98%	0%	Complete JO with Wattis, NTP for Site to follow with Construction of temporary access completion anticipated by end of May '24
15	P	Bear Creek Road Site 2	1.5 Miles SW of HWY 17	100%	0%	0%	Further Site review needed prior to development of engineered plans and construction documents (Permanent repair and completion pending required permitting, winterization and stabilization to be completed in the interim)
16	P	Aldercroft Heights Site 1	Just N of Old Santa Cruz Hwy	100%	0%	0%	Single lane access restored, winterization complete. (Permanent repair and completion pending required permitting and permanent design review)
17	P	Willow Springs Road	0.75 Miles SW of Hale Ave	100%	90%	0%	Further site review, design, and required permitting needed to continue
18	O	Calaveras Rd	2 Miles N of Calavaraz Blvd	100%	95%	0%	Further site review, design, and required permitting needed to continue
19	O	Old Santa Cruz Hwy Site 3	1.5 Miles SW of HWY 17	100%	80%	0%	Further site review, design, and required permitting needed to continue
20	O	Old Santa Cruz Hwy Site 4	Just S of Idylwild Rd	100%	80%	0%	Further site review, design, and required permitting needed to continue
21	P	Hicks Rd 1	4 Miles SE of Camden Ave	100%	20%	0%	Further site review, design, and required permitting needed to continue
22	P	Hicks Rd 2	2 Miles SE of Camden Ave	100%	20%	0%	Further site review, design, and required permitting needed to continue
23	O	Hicks Rd 3	4 Miles SE of Camden Ave	100%	0%	0%	Further site review, design, and required permitting needed to continue
24	P	Bear Creek Road Site 3	1000' N of Summit Rd	100%	20%	0%	Further site review, design, and required permitting needed to continue
25	P	Mt Madonna Road	W of Pole Line Rd/Summit Rd	100%	0%	0%	Further site review, design, and required permitting needed to continue
26	O	On Orbit Drive	1.5 Miles SW of Hwy 9	100%	0%	0%	Further site review, design needed to continue
27	P	Kincaid Road	3 Miles No of Mt Hamilton Rd (HWY 130)	100%	0%	0%	Further site review, design, and required permitting needed to continue
28	O	Alma Bridge Road	2 Miles N of Aldercroft Heights Rd	100%	0%	0%	Further site review, design, and required permitting needed to continue
29	P	Montebello Road	0.5 Miles W of Stevens Canyon Rd	100%	0%	0%	Further site review, design, and required permitting needed to continue
30	O	Quimby Rd	1 Mile SW of Mt Hamilton Rd	100%	0%	0%	Further site review, design, and required permitting needed to continue
31	O	Mines Road Site 3	2 Miles N of San Antonio Valley Rd	0%	0%	0%	Further site review, design, and required permitting needed to continue
32	O	Weller Rd	2 Miles N of Calaveras Blvd	0%	0%	0%	Further site review, design, and required permitting needed to continue

Attachment B

San Antonio Valley Road Site 5

A 70-foot-long section of road shoulder failed. The construction of a retaining structure, approximately 13 feet tall is required to build back the roadway. Safety guardrails to follow.

Repairs



San Antonio Valley Road Site 4

An approximately 200-foot-long section of road shoulder failed. The construction of a retaining structure, approximately 15 feet tall is required to build back the roadway. Safety guardrails to follow.

Repairs

