

DEPARTMENT of PUBLIC WORKS

County of Lassen



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B-1
2018/48

February 20, 2018

TO: Board of Supervisors
FROM: Larry Millar, Director
SUBJECT: County Road Maintenance Update Report-Storm Damage Repairs

RECOMMENDATION: That the Board of Supervisors 1) Receive report 2) Provide direction to staff.

DISCUSSION: Lassen County has 881.044 miles in its County Maintained Road System. Of this total there are approximately 498.2 miles of un-paved roads and 382.8 miles of paved roads. Several of the County Roads, mainly un-paved roads, within the County Maintained Road System have received minor to major damage as a result of the series of storms we received during January and February 2017.

The County has been actively working on repairing these roads since the storm events. Great progress has been made with several individual roads being completed however no reimbursable funding has been received to date. The various projects have been divided into two separate divisions based upon the classification of the roads and the funding type.

County Roads which have a functional classification of major collector or above are referred to as "Federal-aid Highways" and are eligible for federal assistance under the Emergency Relief (ER) program. This is federal funding processed through Caltrans on an reimbursable basis on a reimbursable rate of 100% for emergency opening type work and 88.53% on permanent restoration type work.

County Roads which have a functional classification of minor collector or local roads are referred to as "Non-Federal-aid Highways." These roads are eligible for federal assistance under FEMA funding on a reimbursable basis of 75% federal plus 75% state on the remaining 25%.

The following summarizes the condition of the County Maintained Road System as of February 9, 2018. Projects are summarized into the five (5) separate Road Districts:

Emergency Relief Projects: (5 projects w/ estimated cost of \$344,238 - 5 County Roads)

District 2 – Susanville Road Shop:

PMP-LASCO-004 Riverside Drive (west of Susan River), CR SV 16 Est. Cost \$25,000
Placement of RSP and shoulder backing along portion of Riverside Drive. Work to be completed by County Forces once permits have been obtained.
Project 0% completed.

PMP-LASCO-005 Richmond Road, CR 203 near Gold Run Creek Est. Cost \$32,500
Placement of roadway embankment and shoulder backing along Richmond Road near Gold Run Creek.
Replacement of culvert and roadway embankment including asphalt concrete. Work to be completed by County Forces.
Project 75% completed with County Forces

District 3 – Standish Road Shop:

PMP-LASCO-001 Long Valley Creek Bridge 7C-19 on Garnier Road, CR A26 Est. Cost \$225,213
Install temporary barricades , traffic control, placement of rock slope protection (RSP) at bridge abutments and along roadway, repair damaged concrete piling and the placement of RSP around upstream piling.
Project 100% completed with County Forces, Hat Creek Construction, and Sierra Army Depot

PMP-LASCO-002 Skedaddle Creek Bridge 7C-55 on Wendel Road, CR 315 Est. Cost \$38,235
Install temporary barricades, traffic control, placement of RSP at west bridge abutment and the replacement of shoulder backing along portions of Wendel Road.
Project 100% completed with County Forces.

PMP-LASCO-003 Long Valley Creek Bridge 7C-07 on Herlong Access Rd, CR A25 Est. Cost \$23,290
Traffic control and the placement of RSP at the bridge abutments.
Project 100% completed with County Forces and the Sierra Army Depot.

FEMA Projects: (projects w/ estimated cost of \$ - County Roads)

District 1 – Westwood Road Shop

4308 LSLCC09 (LOP#10) Fir Street, CR WW-09 Est. Cost \$4,747.10
Remove and replace damaged asphalt concrete paving.
Project 100% completed with County Forces

District 2 – Susanville Road Shop:

4301-LSLCC03 (LOP#8) Circle Drive, CR EL-01 Est. Cost \$1,770.43
Placement of aggregate base, asphalt concrete, and shoulder backing to repair washout area on Circle Drive.
Project 100% completed with County Forces.

4308-LSLCC04 (LOP#2) Wingfield Road, CR 205 Est. Cost \$117,736.22
Placement of roadway embankment and aggregate base along several sections of Wingfield Road to repair large washout areas.
Project 100% completed with County Forces.

4308-LSLCC04 (LOP#4) Byers Pass Road, CR 210 Est. Cost \$92,455.13
Placement of roadway embankment and aggregate base along several sections of major washout areas.
Project 100% completed with County Forces.

4308-LSLCC05 (LOP#9) Janesville Area Roads (Main Street Janesville, CR 235 Est. Cost \$53,690.16
Brian Street, CR JV08, and Mountain Avenue, CR JV01
Placement of roadway embankment, aggregate base, asphalt concrete, and shoulder backing to sections of washout areas on each roadway.
Project 100% completed with County Forces.

4308-LSLCC07 (LOP#3) Sears Road, CR 209 Est. Cost \$5,369.69
Placement of aggregate base, asphalt concrete and shoulder backing.
Project 100% completed with County Forces

4308-LSLCC07 (LOP#5) Leavitt Lane, CR 213 Est. Cost \$17,343.02
Placement of aggregate base and shoulder backing materials to repair roadway shoulder.
Project 100% completed with County Forces

4308-LSLCC07 (LOP#6) Karlo Road, CR 216 Est. Cost \$11,005.03
Placement of aggregate base material on sections of roadway which washed out.
Project 0% completed. Work will be completed with County Forces this spring.

4308-LSLCC06 (LOP#7) Chappuis Lane, CR 218 Est. Cost \$22,847.07
Placement of aggregate base material on sections of roadway which washed out.
Project 100% completed with County Forces.

4308-LSLCC08 (LOP#8) Amesbury Drive, CR 254 Est. Cost \$146,848.80
Placement of RSP, roadway embankment material, aggregate base, and shoulder material to repair washed out embankment. Includes repairing shoulder and guard railing.
Project 75% completed by County Forces.
This project includes a Hazard Mitigation Project proposal

District 3 – Standish Road Shop:

4301-LSLCC03 (LOP#2) Scott Road, CR333A Est. Cost \$24,730.69
Placement of RSP, roadway embankment and aggregate base along a portion of Scott Road near Long Valley Creek.
Project 100% completed with County Forces

4308-LSLCC05 (LOP#15) Scott Road, CR 333B and CR333B Est. Cost \$234,459.21
Placement of roadway embankment and aggregate base material along a portion of Scott Road near Long Valley Creek where a major washout occurred. Also includes the replacement of two damaged culverts.
Project 90% completed with County Forces. Work remaining is the replacement of the two culverts.
This project includes a Hazard Mitigation Project proposal.

4308-LSLCC06 (LOP#11) Mapes Road, CR 305 Est. Cost \$9,462.81
Placement of roadway embankment, aggregate base, asphalt concrete, and shoulder backing to portions of damaged roadway.
Project 50% completed with County Forces

4308-LSLCC06 (LOP#21) Laura Drive, CR 362 Est. Cost \$9,178.56
Placement of aggregate base, asphalt concrete and shoulder backing to portions of roadway. Includes the cleaning of existing culvert.
Project 95% completed with County Forces.

4308-LSLCC06(LOP#23) Hyatt Lane, CR 366 Est. Cost \$34,160.94
Placement of road embankment and aggregate base material to major washout area.
Project 0% completed. Work to be completed with County Forces this spring.
This project includes a Hazard Mitigation Project proposal.

4308-LSLCC09 (LOP#12) McClelland Road, CR 316 Est. Cost \$7,647.37
Placement of aggregate base material to repair damaged roadway section.
Project 0% completed. Work to be completed this spring with County Forces.

4308-LSLCC09 (LOP#13) Milford Old Highway, CR 326 Est. Cost \$3,490.76
Placement of aggregate base material and cleaning of culverts.
Project 100% completed with County Forces.
This project includes a Hazard Mitigation Project proposal.

4308-LSLCC09 (LOP#14) Doyle Grade Road, CR 331 Est. Cost \$62,438.79
Placement of aggregate base and shoulder backing material including repairing drainage ditch and washout area.
Project 50% completed with County Forces.
This project includes a Hazard Mitigation Project Proposal

4308-LSLCC09 (LOP#16) Hicks Road, CR 334 Est. Cost \$19,906.74
Placement of aggregate base, shoulder backing material and asphalt concrete.
Project 100% completed with County Forces.
This project includes a Hazard Mitigation Project Proposal

4308-LSLCC09 (LOP#17) Milford Grade, CR 336 Est. Cost \$20,029.82
Placement of aggregate base, shoulder material and asphalt concrete along with cleaning ends of culvert.
Project 75% completed with County Forces
This project includes a Hazard Mitigation Project Proposal

4308-LSLCC09 (LOP#18) Smoke Creek Ranch Road, CR 338 Est. Cost \$47,756.70
Placement of aggregate base material on washed out roadway areas and cleaning of culverts.
Project 50% completed with County Forces.
This project includes a Hazard Mitigation Project Proposal

District 4 – Bieber Road Shop:

District 5 – Ravendale Road Shop:

Proposed Hazard Mitigation Project Proposals: (projects w/ est. cost of \$, County Roads)

District 2 Susanville Road Shop:

4308-LSLCC08 (LOP#8) Amesbury Drive, CR 254 Est. Cost \$76,000
Construction of concrete headwalls at each end of the culvert. Work to be completed with contractor.

District 3 Standish Road Shop:

4308-LSLCC05 (LOP#15 Scott Road, CR 333B and CR333B Est. Cost \$102,623.27
Placement of filter fabric, RSP and roadway embankment along with the replacement/upgrading of two culverts and the addition of two culverts for embankment stabilization of a portion of Scott Road near Long Valley Creek. Work to be completed by County Forces.

4308-LSLCC06(LOP#23) Hyatt Lane, CR 366 Est. Cost \$5,026.95
Placement of RSP and embankment fill to stabilize earthen swale.
Work to be completed by County Forces.

4308-LSLCC09 (LOP#13) Milford Old Highway, CR 326 Est. Cost \$1,615.18
Placement of geotextile fabric and RSP to culvert entrance.
Work to be completed by County Forces.

4308-LSLCC09 (LOP#14) Doyle Grade Road, CR 331 Est. Cost \$35,795.85
Placement of RSP around culvert inlet and exit.
Work to be completed with County Forces.

4308-LSLCC09 (LOP#16) Hicks Road, CR 334 Est. Cost \$1,992.16
Placement of RSP and the installation of concrete headwall to the entrance to the culvert.
Work to be completed by County Forces.

4308-LSLCC09 (LOP#17) Milford Grade, CR 336 Est. Cost \$7,853.84
Placement of RSP and replacement of the existing culvert with larger culvert
Work to be completed by County Forces.

4308-LSLCC09 (LOP#18) Smoke Creek Ranch Road, CR 338
Placement of RSP and replacement of existing culverts with larger diameter.
Work to be completed by County Forces.

Est. Cost \$7,231.99

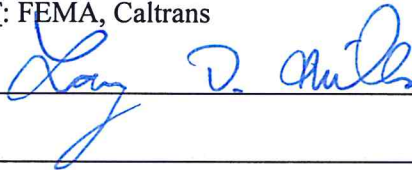
In total 12222 County Roads have been impacted by the flooding events of January and February 2017 for an estimated cost to repair of \$. It is estimated that the County should receive approximately \$ in reimbursement from the two funding sources, FEMA and ER. In addition, xxxx mitigation projects have been identified for a total estimated cost of \$ where approximately \$ should be available for reimbursement.

ALTERNATIVES: None

FINANCIAL IMPACT: Expenditures, amount to be determined, from Road Operating Fund 122-1221 and Road Construction Fund 122-1222 with anticipated reimbursement, amount to be determined, from FEMA and ER programs.

OTHER AGENCY INVOLVEMENT: FEMA, Caltrans

DEPARTMENTAL APPROVAL:



REVIEWED FOR AGENDA: