



Golden West Community Service District
P.O. Box 448
El Dorado, CA 95623

Address Label

or current resident

The Golden West Community Service District is an independent government agency authorized by LAFCO, EDC BOS, approved by District voters and operates under the authority of Government Code 61000.

"The mission of the Golden West Community Service District is to maintain the dedicated roadways within the district"



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YOUR MONEY, YOUR ROADS!



GWCS D 2017 Newsletter

2016 Achievements

2016 was a very productive year even though we didn't achieve all of our goals. Among the projects completed were:

Weed Abatement

Two treatments of herbicide were applied to the GWCS D roadsides in 2016; one in February and a follow-up in July at a total cost of \$5,213.

Ditch Work

Ditch cleaning and re-shaping was done in February and May at prioritized sites on Dolomite, Manganite, Galena, Crystal, Calcite, Barite, Sodalite and Amalgam. The sites were selected based on condition and potential for causing damage to the roadways if left as is. The total cost of this work was \$36,530.

Crystal, Calcite and Dolomite Crack Seal

Hot rubberized asphalt was applied to cracks to prevent water penetration and extend the life of these roadways in May at a cost of \$3,125.

Barite Encroachment

Approximately 395 feet of the Barite Street encroachment (District responsibility area) onto Crystal Blvd was graded, shaped, compacted and surfaced with a minimum 2-1/2 inch of asphalt concrete. This work was completed in September at a cost of \$26,480.

Amalgam Encroachment

The District responsibility for Amalgam extends about 900 feet from Crystal Blvd. This encroachment was in very poor condition after years of neglect. In May the old chip seal was removed, the roadway regraded and resurfaced with 2" asphalt concrete with embedded fiber at a cost of \$21,560.

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South Crystal Dig-outs and Crack Seal

Approximately 0.9 mile of Crystal Boulevard between Mica Street and Barite was prepared for resurfacing by digging out and replacing pavement in soft or sunken spots. Cracks and “alligatored” locations were sealed with hot rubberized asphalt. This was done in preparation for resurfacing with an engineered fabric followed by a double chip seal similar to what was done on central Crystal Boulevard in 2005. Unfortunately time ran out and cold weather prevented the completion of this project, but it is ready to go in early 2017. The preparation work was



Figure 1 Calcite Dig-Out



Figure 2 Calcite after Repair

completed in September at a cost \$69,060 for dig-outs and crack seal. This cost also included a dig-out and repair on Calcite.

The total cost of all roadwork completed in 2016 was \$166,958. Yet to be completed are the resurfacing of S. Crystal Blvd, repairs to the failing Petromat on Crystal Blvd and chip seal of Galena. The remaining planned Fiscal Year 2016/17 projects are expected to use all of the \$289,758 currently available.

Culverts & Ditches

Last year the District began a program of routine maintenance of roadside drainage ditches and cross road (District responsibility) culverts. At the same time, with the implementation of Ordinance 5, we re-established and clarified the responsibility of landowners for proper installation and maintenance of driveway encroachments and driveway culverts and reaffirmed the requirement that encroachment permits were required for any new driveways or improvements of existing ones. The process for obtaining an encroachment permit was simplified by providing online access to the permit application. Information on Ordinance 5 can be found on the District website at: <http://gwcsd.org/governance/ordinances> .

Overall the program has been successful. Despite record rainfall this winter there have been few problems with drainage. The District installed drop culverts at several location that have been problematic in the past and has cleaned the worst of the ditches. Some, but not all, landowners have responded to notices of deficient driveway drainage and blocked culverts with improvement to their driveway drainage. The District has made clear its intention to enforce the requirements of Ordinance 5. To date no new applications for encroachment permits have been received.

Looking Forward

In the coming year we plan to continue the routine maintenance including weed abatement, ditch maintenance, pothole repair and crack seal to extend the life of the existing roadway surfaces. Completion of other major projects such as resurfacing and encroachment improvements will depend on availability of funding.

When Crystal Blvd was resurfaced with a Petromat/double chip seal process in 2005 it was expected to have a 15 year lifetime. However, the chip seal began to fail two after only 8 – 10 years, exposing the Petromat to



Figure 3 Petromat Failure on Crystal Blvd

direct contact with traffic and now, after only 12 years, the Petromat is being worn off, exposing the “cobblestone-like” roadway underneath that it was intended to protect. Clearly, even 10 years between resurfacing is too long on Crystal Blvd. A routine maintenance program, similar to that now being used for District ditches, is needed. We can’t wait until the road surface is failing to begin what should be routine maintenance.

Similarly, other roads in the District have their own unique needs. Whereas Crystal Blvd is about 5 miles long, has only one entrance/exit point, is used by several major side roads for access, has a 35 mph speed limit (frequently exceeded) and is subject to heavy traffic from cattle

trucks, Dolomite has three entrance/exit points, serves a much smaller population, and has a lower speed limit and no cattle trucks. Similar situation exist on both Galena and Manganite. Dolomite, Manganite and Galena together have only about 2-1/4 miles combined. Clearly each of these roads needs its own maintenance schedule.

Long Term Funding

With the prospect of using all of our remaining road budget in 2017 we need to take a serious look at the future. The table at right shows that a minimum of \$103,000 is needed for routing maintenance and overhead/staff. With a total (direct charge and ad valorem) income of only \$122,600, this leaves less than \$20,000 available for major projects such as resurfacing Crystal Blvd, Dolomite and Calcite and improvement of remaining side road encroachments. Chip seal on Crystal Blvd alone is expected to cost about \$180,000. Clearly out current revenue is inadequate and some projects will need to be spread over a number of years. Paving of side road encroachments will have to be postponed.

Preliminary studies indicate that GWCSO needs about \$170,000 in annual revenue to adequately maintain and improve the District roadways. The cost of maintaining and improving our ageing roads will soon exceed the existing revenue and we will have a funding shortfall beginning in 2018. Because of this the GWCSO is expected to propose a ballot item to increase the road fee that is collected with your property taxes

Annual Maintenance			
Potholes			\$ 20,000
Weed Abatement			\$ 5,200
Tree Trimming			\$ 1,000
Ditch Maint/Shoulder Backing			\$ 25,000
Crack Seal			\$ 5,000
		Total	\$ 56,200
Overhead/Staff			
Insurance			\$ 2,000
Fees/Memberships			\$ 1,000
Office Expenses			\$ 1,000
Professional Services			\$ 30,000
Legal Services			\$ 10,000
Publications/Legal Notices			\$ 1,000
PO Box			\$ 100
Storage			\$ 1,000
Mileage			\$ 1,000
		Total	\$ 47,100
		Grand Total	\$ 103,300

Goals

- Continue routine maintenance of ditches and roadways.
- Establish an improvement/resurfacing schedule for each roadway that is based on usage; i.e. traffic speed, type of traffic and amount of traffic
- Determine funding level required to improve/maintain District roadways and seek an appropriate increase in the direct charge (tax) rate.

The GWCSO Board of Directors meet on Saturday mornings at Station 44 or 49. See <http://gwcsd.org/board-of-directors-meetings> for more details