



Staff Report May 9, 2023

TO: Honorable Mayor and Members of the Town Council
FROM: Merrill Buck, Town Engineer
RE: Engineering Division Status Update (Information only)

Update on noteworthy items in the Engineering Division.

EFFORTS COMPLETED:

- **Highway Safety Improvement Grant (HSIP)** – Two applications were submitted by the Town. One for safety improvements in the form of raised medians and lighting at the Sierra College/Taylor intersection. This one was unsuccessful. The other was for miscellaneous striping improvements consisting of high-visibility crosswalks and edge striping throughout town. This one was successful, with a grant award in the amount of \$188,000.
- **2022 Slurry Seal Project** – All of the slurry seal project work has been completed. Work is recommended for acceptance as part of the May Council Agenda.

PROJECTS IN CONSTRUCTION:

Magnolia Storm Drain Replacement Project

In March 2023, the Town Council authorized the construction of a high-priority storm drain replacement project that carries water from Magnolia Street to Holly Street through a side-yard easement. This work is finishing up now and will be brought to the June Council Meeting for acceptance.

Concrete Repair Project

Most of the work on this project is now complete, except for the concrete replacement work in Sunrise Loomis Park that was approved by Council as a change order. This work will occur in May and should be finished in time to take the project to Council in June for acceptance.

Sierra College Boulevard Widening (Brace to Taylor)

This project has been advertised for bids. A significant addendum was issued, pushing the bid opening date out to May 11, 2023. New work scope was added to accommodate safety improvements and paving, requested by the Union Pacific Railroad. An additive bid schedule was also added to include the resurfacing of Taylor Road, through the intersection of Sierra College Boulevard, that could be implemented if bids come in low, and the budget allows. Construction should break ground by mid-June and will take approximately 4 months for the bulk of the project to be completed.

PROJECTS IN DESIGN:

Hunter Oaks Landscaping and Rockery Wall Improvements Projects

Following a request submitted by several of the residents in the Hunter Oaks Subdivision, staff has been working with the Homeowner's Association to design and install replacement landscaping along the subdivision's common-area frontages. Additionally, large rock boulders placed in the back of the subdivision to serve as erosion control will be removed and reshaped into tiered rock walls with landscaping pockets. Three meetings have been held with the Homeowner's Association to discuss concept-level design and plant selection. Plans and specifications have been finalized and are ready to advertise for bids.

Sunrise Loomis Playground Replacement Project

Under a State Park Improvement Grant, this project will replace the aged 5-12 play equipment at Sunrise Loomis Park. A meeting has been announced for Tuesday May 16, 2023, from 7:00 p.m. to 8:00 p.m. at the Loomis Depot Council Chambers, 5775 Horseshoe Bar Road. The meeting aims to seek input from the community on the play equipment options available and to help guide the design criteria for a replacement play structure. A final recommendation will be presented to the Town Council in June, in conjunction with authorization to advertise the project for bids. The grant requires that all work be completed by December 31, 2023.

2023 Rubberized Cape Seal Project

Following the Town's success with a competitive grant application that will reduce the cost of resurfacing with a rubber cape seal by about 15%, staff is completing the design for a rubberized cape seal resurfacing project that will be released for bids this spring

Storm Drain Roadway Culvert Crossing Replacements at Various Locations

Town staff has identified approximately two dozen locations around town where 12-inch to 24-inch diameter corrugated metal pipes are at various stages of failure as a roadway storm drain crossing. Many of the pipes have rusted-out bottoms. Over time, if not fixed, they will create sink holes in the roadway, and become blocked with street aggregate, thereby restricting the flow of water. A project is in design that will remove and replace these pipes with high-density polyethylene (HDPE) plastic pipe so as to be resistant to future erosion. Construction is anticipated this summer, to be completed ahead of the rainy season.

Welcome Sign at Taylor Road and Sierra College Boulevard

This project involves building a billboard structure within the Union Pacific Railroad right of way at Taylor Road and Sierra College Boulevard. A lease for the sign to be on railroad property has been secured, and the design has been updated to reflect current building code standards. The project will be completed in two stages. The first stage will build the structure and is ready to go out for bids now. After the structure has been completed, another stage will install the interior lettering and lighting.

Library Parking Lot ADA Improvements Project

Work involves re-grading the handicap parking stalls in the library parking lot and rebuilding the concrete pathway leading to the library's entrance so that the slopes are ADA compliant. This project has been on hold for some time but now that paving season is upon us, it is being reprioritized for construction. The project should be out for bids by the end of May, and ready to present to the Council for award at the July meeting.

Downtown Baskets and Banners

Spring banners are being designed now, to go up in conjunction with flower baskets. Other workload pressures have delayed this effort, with implementation now targeting early summer.

New Taylor/Walnut Signal and Downtown Signal Interconnect

This project will install a new signal at the Taylor Road/Walnut Street intersection along with a signal interconnect system that will synchronize the adjacent signals at Taylor/Horseshoe Bar, Taylor/King, and King/Swetzter. The design of this project has started, with construction anticipated in early 2024.

Adopt an Oak Tree Program

Utilizing funding from the Town's Tree Fund, collected as mitigation due to oak tree loss, a program is being developed that will allow Loomis residents to "adopt" an oak tree for planting on their property. An initial funding level of \$30,000 was approved under the FY 2022-23 Capital Improvements Program. Outreach and program information materials have been developed. The next step is to seek pricing from local nurseries.

MAINTENANCE DISTRICTS:

Sierra De Montserrat

Staff is working on a project that will regrade portions of eroded pathway beyond the edge of pavement, and hopes to have this out for bids by the end of summer.

ADMINISTRATIVE ITEMS:

Rule 20A Undergrounding – Sierra College Boulevard (I-80 to Brace Road)

Staff and Costco have been working diligently with PG&E on coordinating the necessary logistics behind undergrounding the power lines along Sierra College Boulevard adjacent to Costco. Right-of-way has been dedicated, but before PG&E can start work, Costco needs to grade the frontage. Weather has caused some delay to Costco's schedule, but they are in the process of grading the site now. The Rule 20A undergrounding work should start by June, with a duration of approximately three months to complete.

Costco Frontage Improvements

A final back-check to Costco's plan set is under review, and approval of the on-site storm drain grading and right-of-way frontage improvements should be issued shortly. Work will include the widening of Sierra College Boulevard within the Town Limits to accommodate additional right turn lanes, and the construction of a new signalized intersection on Sierra College Boulevard between Granite Drive and Brace Road. Right of way frontage improvements are still several months out from starting, as they will need to wait until the Rule 20A undergrounding work is completed first.

Scanning Services

Three proposals were received from scanning firms to convert all of the various large sized drawings in the Engineering Division to a digital format for archiving. Staff is still in the process of reviewing proposals and should be able to recommend an award of contract shortly.