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COUNCIL COMMITTEE ITEM SUMMARY REPORT

MEETING DATE: September 11, 2019
TO: Public Works & Facilities Committee
FROM: Chantell O'Neal, Engineering Technician
AGENDA ITEM TITLE: Receive Report and Provide Direction Regarding RFP
Scope of Work for 2020 Maple St Storm Drain and Alley
Rehabilitation Project

ISSUE:

A design RFP for the 2020 Maple Street Storm Drain and Alley Rehabilitation Project is being prepared for the City Council Consent Calendar for the second meeting in September. The project includes replacement of a failing 12" storm drain line along a 340 linear foot alley (S300K) and an 18" storm drain line along 770 linear feet of a collector street (Maple Street). In addition to the replacement of the storm drain infrastructure, three new drain inlets will be installed in the Maple Street project area, and the Maple Street pavement segment will receive full rehabilitation. Four (4) alleys have been selected for inclusion in this rehabilitation project. The addition of the four alleys is a change from the adopted 2019-20 FY CIP budget and if approved will require a budget amendment.

SUMMARY:

Project Background

Project Component 1) Maple Street Storm drain

In 2004 the City contracted with KASL Consulting Engineers to prepare a Storm Drain Master Plan (SDMP). The Maple Street project area was identified as a medium priority project for hydraulic deficiency. According to the study, hydraulically deficient facilities were those that were undersized for the 10-year design flow and/or backwatered pipes which are causing or have the potential to cause flooding problems. The current state of

this storm drain system has further degraded over time and escalated to a safety deficiency. The storm-water system traversing Maple Street no longer has adequate hydraulic capacity which results in flooding problems that are physically degrading the pavement conditions and creating a traffic and safety hazard.

In 2016, a sinkhole appeared on Maple Street just east of the Harold St intersection. The City responded by placing a temporary stainless steel plate over the failing drainage area. The existing drainage situation is causing irreversible damage to the pavement and causing faster than usual pavement deterioration downhill from the problem area. The street segment location proposed for rehab on Maple Street is referred to as Maple St 001A in the 2017 Pavement Management Report. Maple St 001A has a Pavement Condition Index of 45. The current condition of the downhill pavement section Maple St 001B is currently in good condition with a PCI = 84, that pavement section was maintained as recently as 2013.

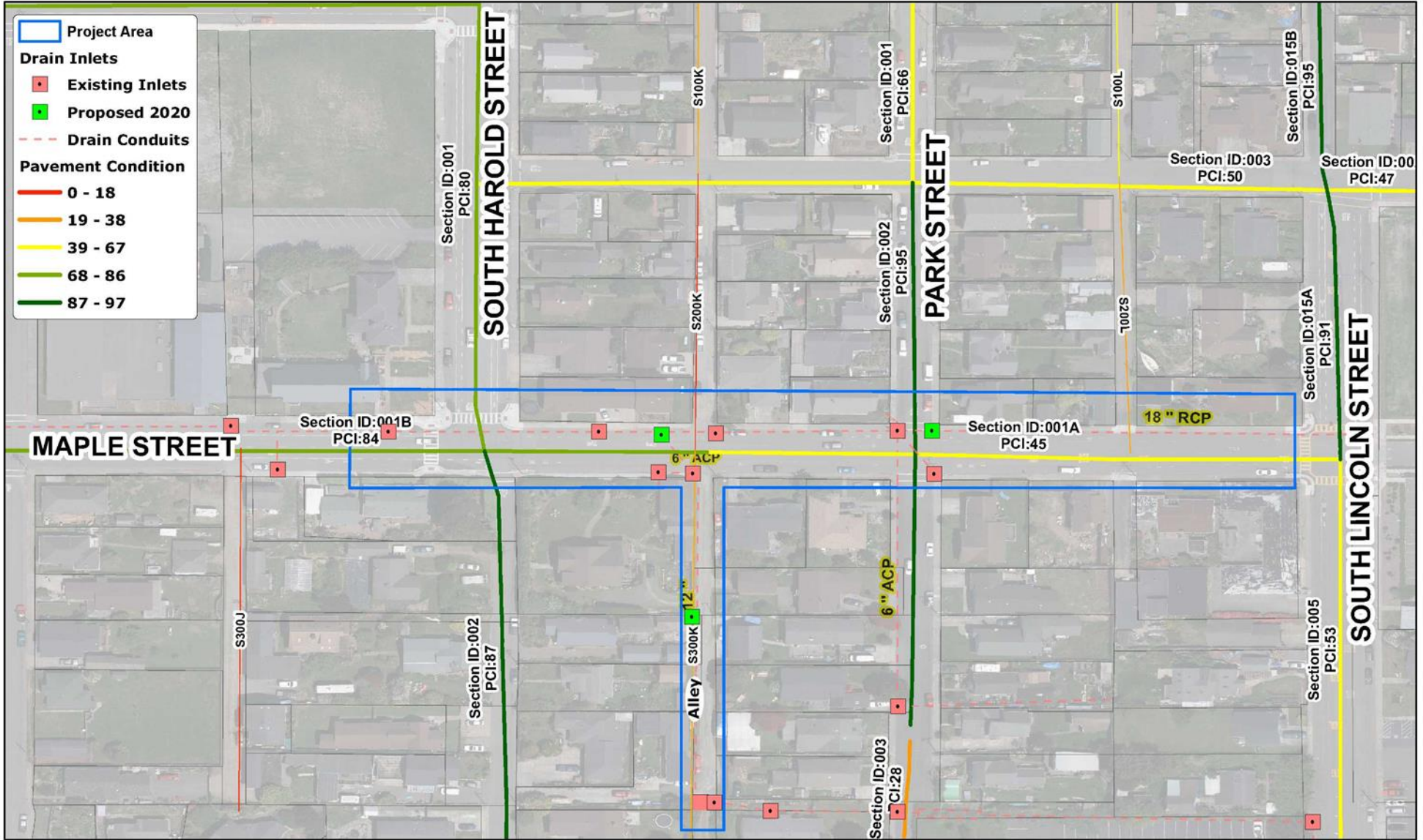
These storm drain issues are at the top of drainage basin C an oblong shaped sub-watershed which straddles Maple and Hazel Street(s) in an east west direction. The City's topography generally directs all storm-water flows in a westerly direction; this is cause for concern about protecting the pavement investment of the downhill conditions. Based on current City priorities and analysis of existing conditions, the Maple Street drainage rehabilitation project has risen to a high priority project.

Project Component 2) Alleys Selected for Rehabilitation

In 2011, the City contracted with KASL Consulting Engineers to prepare the Alley Master Plan (AMP) using grant funds from the Mendocino Council of Governments (MCOG). This plan inventoried and evaluated the conditions of City alleys and prioritized them for improvement opportunities using several different metrics including greatest need for surface conditioning, funding, safety, drainage, and consistency with other Master Plans. Based on a complete review of the 2011 AMP and current existing conditions staff is recommending the following alleys be considered for inclusion in this project. Based on budget constraints it is likely that not all alleys listed below will be rehabilitated with this project so staff is seeking Committee input toward prioritizing them accordingly.

1. Alley S300G; a Residential type 2 improvement, located between S Harrison St. and S. Whipple St. from Maple to Hazel.
2. Alley N102G; a Residential type 1 improvement, located between N Harrison St. and N. Whipple St. from Alder to Oak.
3. Alley S600E; a Commercial/Multifamily (MF) type improvement, located between S Franklin St. and the GP Haul Rd. from Walnut to Cypress.
4. Alley S100H; a Commercial type 2 improvement, located between S Whipple St. and S Corry St. and Oak and Madrone.

2020 Maple Street Drainage Rehabilitation Proposed Drain Inlet Locations

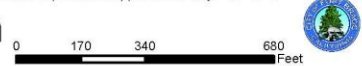




Feature and boundary locations depicted are approximate only. 08-08-19



2020 Alleys for Rehabilitation



Benefits

As proposed, the project will rehabilitate 1,110 linear feet of storm drain line and over 6,800 square yards of City Street and Alley asphalt pavement. The project includes the installation of three additional storm drain inlets, significant repairs to restore the curb and gutter along Main Street, the installation of several new standardized ADA curb ramps, concrete cross gutter transitions from alleys to streets, pavement improvements to Maple Street and the selected alleys. Over 50 parcels (residential and commercial) will directly benefit from this projects implementation. This segment of Maple Street is located adjacent to Redwood Elementary so the addition of the standardized intersection transitions and sidewalk improvements will also benefit pedestrian routes to school.

Schedule

Project design is scheduled for this fall/winter and construction will take place in summer of 2020. The project is currently in the planning and scope of work phase, which began with the preparation of an application for Local Partnership Program (LPP) funding last fall. All work will take place within the existing, developed public right of way so no new right of way or easements are expected. Environmental review and permitting requirements are expected to be minimal, since the work is maintenance and rehabilitation and is fully within an improved right of way. Once designed, the project will be released for bid in early 2020 with the intent of catching the most competitive bidding environment. The construction contract will likely be sixty (60) to ninety (90) working days and construction should be complete for final billing by September 2020.

Budget

The total estimated cost for implementing this project is \$1,800,000. The first \$100,000 of the project is anticipated to be funded with Local Partnership Program dollars. The remaining project funds in the amount of \$1,700,000 will be funded by the City's Street Sales Tax Fund. The currently adopted budget only incorporated Component 1 described above (Maple St. storm drain segment). Staff is recommending the increased scope of work to include Component 2, up to four additional alleys. If recommended for approval, staff will request a budget amendment to increase the CIP budget for this project from \$650,000 to \$1,800,000. A complete estimate of the project costs is shown in the figure below. Street Sales Tax money committed to this project has been verified as available for proposed budget amendment.

While the current fund 250 has adequate budget to support this full project (including Component 1 and 2), staff is currently in discussion with USDA regarding the potential to fund 55% of the storm drain trash capture project in the 2020 FY. This is a project which applied for Prop 1 funding through IRWM in March of 2019, but was unsuccessful in attaining funding. During that submittal process, City Council agreed to fund up to

50% of this project with “Special Street Sales Tax” money in the amount of \$350,000. If the trash capture project is successful in attaining USDA funding, this Maple St. and Alley project scope will need to be decreased accordingly to ensure adequate available funding for both projects.

Preliminary Cost Summary for Maple St Stormdrain and Alley Rehab project		
PROJECT DEVELOPMENT/SUPPORT		
Permits/environmental review	\$5,000	
Design (10%)	\$124,934	
Construction Management (15%)	\$187,401	
Total Development and Support		\$317,335
CONSTRUCTION		
Construction cost estimate	\$1,249,340	
Contingency (15%)	\$187,401	
Total construction with contingency		\$1,436,741
TOTAL PROJECT COST		<u>\$1,754,076</u>
BUDGET		
Local Partnership Program		\$100,000
Fund 250, Special Sales tax - Street Repair		\$1,700,000
TOTAL BUDGET		<u>\$1,800,000</u>

RECOMMENDATION:

Provide a recommendation to City Council regarding the RFP Scope of Work for 2020 Maple Street Storm Drain and Alley Rehabilitation Project.

ATTACHMENTS:

1. RFP Scope of Work for Engineering and Design Services for 2020 Maple St Storm Drain and Alley Rehabilitation Project
2. Pavement and Drainage Conditions Slideshow