

City of Poway

Capital Improvement Projects

Status Report – May 2017

If you have questions regarding this report,

please contact Steve Crosby, City Engineer at (858) 668-4603 or scrosby@poway.org.

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STATUS LIST OF FUNDED CIP PROJECTS

Substantially Complete:

1. Midland Road Improvements
2. Pomerado Road Emergency CMP Repair

Under Construction/Studies:

1. Poway Road Corridor Study
2. Corrugated Metal Pipe Condition Assessment
3. Annual Corrugated Metal Pipe Repair Replace 16/17
4. Blue Crystal Reservoir Rehabilitation
5. Welton Reservoir Rehabilitation
6. Atoka Emergency CMP Replacement
7. ADA Barrier Removal 16/17 Lake Poway Restrooms

Bid/Pre-Construction:

1. Lake Poway Boat Dock Replacement Project
2. PCPA Boiler and Cooling Tower Replacement
3. Carport-Mounted Photovoltaic System – PCPA
4. Ground-Mounted Photovoltaic System – Fire Station #3
5. Water Distribution System/Treatment Plant Rehab
6. PS1 Electrical Equipment Replacement
7. Alta Mira Reservoir Rehabilitation
8. Community Park/Starridge Park Playground Renovation
9. Durhullen Emergency CMP Replacement
10. 2016-2017 Street Overlay Project Phase 2
11. 2017-2018 Street Maintenance Project Zone 8
12. 2017-2018 Street Striping Project

Design:

1. Espola Road Safety Improvements
2. Blue Sky Amphitheater Improvements
3. Swim Center Renovation
4. Sewer Line Repair Replace Pomerado Road
5. Poway Dam Maintenance and Security Project
6. Pomerado (Sagecrest) Reservoir Rehabilitation
7. Buehler Reservoir Rehabilitation
8. Fiber Optic Connections Project
9. Martincoit Road Sewer Upsize
10. Traffic Signal Communication Improvements
11. 2017-2018 Street Overlay Project

Pre-Design:

1. Sewer Line Repair Replace 16/17
2. Annual Sewer Manhole Rehabilitation 16/17
3. Poway Road Pedestrian/Bicycle Project
4. Mickey Cafagna Community Center

STREETS AND HIGHWAYS

Midland Road Improvements – CIP # 12008

<u>Project Manager:</u>	Jeff Beers
<u>Total Appropriation:</u>	\$600,000
<u>Design Status:</u>	Complete
<u>Start of Construction:</u>	May 2016
<u>Construction Status:</u>	Complete

Project Description: This project includes the design and construction of sidewalk improvements to Midland Road from Hilleary Place to just north of Scots Way. The proposed work will include sidewalks, along with the necessary drainage and ADA improvements associated with the sidewalk construction. The 2015 Regional Transportation Improvement Program amendment added \$300,000 in Transnet funding for the addition of street lighting to the project scope. The project will also include the acquisition of necessary right-of-way. This work is identified in the Transportation Element of the City's General Plan, and will provide a safe route to Midland Elementary School.

Status: Construction of this project is complete.

Poway Road Corridor Study – CIP # 12009

<u>Project Manager:</u>	Joe Lim
<u>Total Appropriation:</u>	\$475,000
<u>Start of Project:</u>	September 2014
<u>Estimated Completion of Project:</u>	December 2017

Project Description: In September 2014, the City hired MIG Inc., a planning and transportation consulting firm, to assist the City in planning for Poway Road's future. The study will provide recommendations on land use, transportation, design/aesthetics, and economic development for Poway Road. The study will be based on an evaluation of existing land use and transportation conditions along Poway Road. The transportation and land use analysis will result in recommendations and an implementation strategy regarding the appropriate transportation improvements and mix of uses along the project corridor. These may include proposed changes to regulatory and policy documents such as the Poway Municipal Code (PMC) and the City's General Plan. The project has been expanded to include the preparation of a Program Environmental Impact Report.

Status: Based on input from a City Council workshop on November 3, 2015, the consultant finalized the draft preferred land use plan along with transportation and economic studies. A second community workshop was held on May 4, 2016, and a City Council workshop was held on May 17, 2016, where the City Council accepted the draft land use plan. The consultant has completed the final economic analysis and traffic modeling based on the final draft land use plan. **The consultant has prepared draft chapters of the Specific Plan and staff has been meeting with the Ad Hoc Committee to discuss the proposed new land use and development standards and guidelines. In March 2017, the City's consultant and City staff issued a Notice of Preparation and conducted a Scoping Meeting to solicit input regarding the Poway Road Corridor Study Environmental Impact Report. MIG is in the process of drafting sections of the EIR. The draft EIR is anticipated to be released for review in early summer 2017. A workshop with City Council was also held on April 4, 2017 to discuss some of the key development standards, including the proposed incentive based height and density regulations. A draft of the Complete Streets Report for the Corridor Study will be available for review May 22, 2017. A City Council/community workshop will be conducted in early August 2017 to present the draft Specific Plan vision and development standards that are being proposed. All available draft documents are posted on the City's website (<http://poway.org/812/Poway-Road-Corridor-Study>).**

Espola Road Safety Improvements – CIP # 12010

<u>Project Manager:</u>	Taryn Kjolsing
<u>Total Appropriation:</u>	\$2,400,000
<u>Design Status:</u>	95% complete
<u>Estimated Start of Construction:</u>	January 2018
<u>Estimated Completion of Construction:</u>	October 2018

Project Description: In 2013, the City finalized the Espola Road Improvement Project Environmental Impact Report (EIR) based on a project scope that included improving Espola Road between Twin Peaks Road and Titan Way to a three-lane roadway with curb, gutter and sidewalks, and signaling the intersection of Espola Road and Durhullen Street/Golden Sunset Road. The EIR was certified by the City Council in June of 2013; however, the City Council did not support the construction of the full project scope identified in the EIR. In October 2013, the City Council directed staff to pursue a pedestrian safety project consisting of a multipurpose trail on the west side of Espola Road from Mountain Road to Willow Ranch Road. The project also included the undergrounding of overhead utilities along a portion of the project (approximately 2,000 linear feet) using the City's available 20A funds. Project improvement plans are currently being prepared. The preliminary undergrounding design has been completed by SGD&E. At the Council workshop on Prioritization of General Funds in April of 2016, completion of undergrounding along the balance of the project was rated as a high priority. In June of 2016, Council approved a resolution of intention to establish the second undergrounding district along the remaining portion of the project, and in the Biennium Budget approved on June 21, 2016, Council appropriated \$2,600,000 from the general fund for the additional undergrounding.

Status: The project improvement plans are at 95 percent completion, required right-of-way plats are complete and appraisals of the necessary right-of-way are complete. **Staff has received signatures on five easements out of sixteen required.** Staff has met with all other property owners and anticipates more signatures soon. After receiving input from three affected residents, staff has modified the plans to address private property impacts. The resolutions of intent for both undergrounding districts have been approved by Council. **Council has also approved the first reading of the ordinance to establish both undergrounding districts. SDG&E has completed the design of both undergrounding districts and has forwarded their design to the telecom companies for design. Staff is working with SDG&E and the telecom companies to review agreements for the 20B portion of the undergrounding. Based upon underground design completion timeframes provided by the telecom companies, staff anticipates start of construction in January 2018. A City Council presentation on the status of the easements is planned for July 18.**

GOVERNMENT FACILITIES

Mickey Cafagna Community Center (Construction Documents) – CIP # 1502B

<u>Project Manager:</u>	Bob Manis
<u>Total Appropriation:</u>	\$1,800,000
<u>Issuance of RFP:</u>	June 2016
<u>Approval of Consultant Agreement:</u>	Fall 2017
<u>Completion of Construction Documents:</u>	Fall 2018

Project Description: This project will include the completion of the construction documents for a new Community Center building located in Community Park. **The first phase of the project included a schematic design of the floorplan and building elevations which are not being pursued due to the projected costs of building as designed. A reduced size building design will be developed and presented to City Council before resuming the RFP process.**

Status: After the schematic design was completed staff posted a request for proposal on June 1, 2016 for the preparation of the final architecture and engineering documents. Eight proposals were received but the process was put on hold while the City considered partnering with the YMCA for construction of the Community Center. **The City terminated those discussions and City staff is now working on the design of a reduced size community center. Staff will discuss the design and construction costs with the Ad-hoc committee and present it to the City Council at a workshop before resuming the RFP process for final design and construction document preparation.**

Ground Mounted Photovoltaic System Fire Station #3 – CIP # 1566A

<u>Project Manager:</u>	Christine Pawlik
<u>Total Appropriation:</u>	\$177,000
<u>Design Status:</u>	5% Complete
<u>Start of Construction:</u>	November 2017
<u>Estimated System Activation:</u>	March 2018

Project Description: This project will include the installation of ground mounted photovoltaic panels in the open space northwest of Fire Station #3. Environmental and reflectivity studies will be required and are included in the project scope. This project will be financed through a Power Purchase Agreement (PPA). Appropriated funding for the project will be from the capital improvement fund for fees to SDG&E including but not limited to removal and installation of a transformer, a generation output meter, system upgrades, application fees, and permitting. This project will decrease the energy costs on up to 50 City accounts by approximately 80% annually and reduce the City's greenhouse gas (GHG) emissions to support AS32 regulations.

Status: The PPA is currently under review. The underground utility locating and pre-design surveying is completed. The Biological study is scheduled to begin May 22, 2017.

Carport Mounted Photovoltaic System PCPA/PUSD Parking Lot – CIP # 1566B

<u>Project Manager:</u>	Christine Pawlik
<u>Total Appropriation:</u>	\$8,000
<u>Design Status:</u>	5% Complete
<u>Start of Construction:</u>	July 2017
<u>Estimated System Activation:</u>	January 2018

Project Description: This project will include the installation of carports with photovoltaic panels in the shared parking lot of the PCPA and PUSD. This project will be financed through a Power Purchase Agreement (PPA). Appropriated funding for the project will be from the capital facilities improvement fund for fees to SDG&E including but not limited to a generation output meter, system upgrades, and application fees. This project will decrease the energy costs at the PCPA by approximately 80% annually and reduce the City's greenhouse gas (GHG) emissions to support AB32 regulations.

Status: A verbal agreement has been reached on the PPA between the City and the contractor. The Notice to Proceed with design has been issued. The underground utility locating, pre-design survey and soils testing are complete. DSA approval is anticipated by June 29, and construction is scheduled to begin on July 5.

DRAINAGE

Corrugated Metal Pipe Condition Assessment – CIP # 1448

<u>Project Manager:</u>	Taryn Kjolsing
<u>Total Appropriation:</u>	\$120,000
<u>Estimated Start of Assessment:</u>	October 2016
<u>Estimated Completion of Assessment:</u>	February 2017

Project Description: This project involves developing a study of existing City-owned corrugated metal pipe (CMP) and prioritizing drainage capital improvement and maintenance projects based on its results. The intent of the study will be to document the quality and capacity of select CMP within the City's stormwater conveyance system in order to prevent the likelihood of damage to public and private property during and after rain events. The City has identified approximately 15,000 feet of CMP to be evaluated as part of this study.

Status: Staff has received the final version of the assessment study. Public Works staff is working with IT staff to incorporate the recommendations from the study into Cartegraph. Development Services staff will be meeting with Public Works to select the highest priority projects to be completed in the next dry season.

Annual Corrugated Metal Pipe Repair Replace – CIP # 1437

<u>Project Manager:</u>	Taryn Kjolsing
<u>Total Appropriation:</u>	\$300,000
<u>Design Status:</u>	Complete
<u>Start of Construction:</u>	December 2016
<u>Estimated Completion of Construction:</u>	May 2017

Project Description: This project repairs five damaged CMP storm drains all of which are located in neighborhoods generally northeast of the intersection of Poway Road and Pomerado Road. The repairs typically consist of point repairs of heavily damaged pipe sections followed by trenchless epoxy lining of the pipes. Most of the repairs are on pipes located within City drainage easements on private property.

Status: Four of the five pipe repairs are complete. During construction a blockage was discovered in one section of pipe that must be removed before that final section of pipe can be lined. The removal and lining is scheduled for the end of May.

Emergency Corrugated Metal Pipe Repair Replace – CIP # 1180E, 1180F, 1180J

<u>Project Manager:</u>	Taryn Kjolsing
<u>Total Appropriation:</u>	\$678,500
<u>Design Status:</u>	Complete
<u>Start of Construction:</u>	March 2017
<u>Estimated Completion of Construction:</u>	June 2017

Project Description: Several aging Corrugated Metal Pipe (CMP) storm drains exhibited distress during the February 2017 storms. This project addressed three CMP storm drains: under Pomerado Road north of Twin Peaks Road, in easements on private property below Atoka Place, and under and adjacent to Durhullen Drive. Staff is pursuing federal and state emergency reimbursement from FEMA and CALOES for a portion of the repair costs.

Status: Repair of the Pomerado Road CMP has been completed. The work at Atoka Place is substantially complete. Public Works has completed the portion of the Durhullen Drive repair under the public road, and Development Services staff is evaluating options for repairing the section on private property adjacent to the road.

PARKS AND OPEN SPACE

Swim Center Projects – CIP # 1632, 1633, 16002, 16003

<u>Project Manager:</u>	Jeff Beers
<u>Total Appropriation:</u>	\$2,110,000
<u>Design Status:</u>	5% Complete
<u>Estimated Start of Construction:</u>	October 2017
<u>Estimated Completion of Construction:</u>	February 2018

Project Description: The proposed Swim Center renovation currently consists of four projects: pool deck replacement including diving boards and plaster; the mechanical systems upgrade project; the shower rooms/office renovation; and the splash zone project. The first two projects were funded with the 2015-2017 budget, and the shower rooms/office renovation and the splash zone were funded as a result of the Council Workshop on Funding Options for General Fund Prioritized Projects in April 2016.

Status: The design kick-off meeting for the four Swim Center improvement projects was held in January 2017. The design consultant is working to complete design and permitting **to bid the project in August 2017** allowing for construction during Community Services scheduled swim center shut down beginning in October 2017.

Playground Renovation Community Park and Starridge Park – CIP # 1636, 1637

<u>Project Manager:</u>	Jeff Beers
<u>Total Appropriation:</u>	\$223,000
<u>Design Status:</u>	Complete
<u>Estimated Start of Construction:</u>	June 2017
<u>Estimated Completion of Construction:</u>	July 2017

Project Description: This project will replace the existing play surfacing at Community Park and will install new play equipment at Starridge Park.

Status: The plans and specifications for this project were prepared in-house. **The project was successfully bid and construction will begin on June 5.**

Lake Poway Boat Dock Replacement – CIP # 1634

<u>Project Manager:</u>	Jeff Beers
<u>Total Appropriation:</u>	\$401,500
<u>Design Status:</u>	Complete
<u>Estimated Start of Construction:</u>	July 2017
<u>Estimated Completion of Construction:</u>	August 2017

Project Description: This project will replace the existing wooden boat dock at Lake Poway with a new concrete dock. The current boat dock is deteriorating and requires frequent maintenance. The concrete dock will have a longer useful life and reduced annual maintenance costs. To limit the amount of downtime and loss of boat rental revenue, the new dock will be constructed in the lake adjacent to the existing dock. Once construction is complete, the old dock will be demolished and the new dock will be moved into place.

Status: The construction contract was awarded by Council on January 10, 2017. The project kick-off meeting was held in February 2017. **The contractor has completed shop drawings, and building permits have been issued. The contractor is currently fabricating the dock with installation scheduled to begin on July 5.**

WATER UTILITIES

Alta Mira Reservoir Rehabilitation – CIP # 1763

<u>Project Manager:</u>	Taryn Kjolsing
<u>Total Appropriation:</u>	\$500,000
<u>Design Status:</u>	Complete
<u>Estimated Start of Construction:</u>	September 2017
<u>Estimated Completion of Construction:</u>	January 2018

Project Description: This project will address corrosion issues and will rehab mechanical system issues due to the age of Alta Mira Reservoir, thus extending the useful life of the facility. This one-million-gallon reservoir was originally constructed in 1981 and has never undergone a full rehabilitation. The project will also include seismic evaluation.

Status: The plans and specifications are complete. Due to temporary water storage requirements for this reservoir, construction is scheduled to begin after completion of the Blue Crystal Reservoir rehabilitation.

Water Distribution System/Treatment Plant Rehab Project – CIP # 1764

<u>Project Manager:</u>	Taryn Kjolsing
<u>Total Appropriation:</u>	\$780,000
<u>Design Status:</u>	Complete
<u>Estimated Start of Construction:</u>	June 2017
<u>Estimated Completion of Construction:</u>	December 2017

Project Description: The results of the recently completed water treatment plant and the water distribution system assessment studies were used to prioritize necessary water system repair and maintenance into a ten-year list of projects. This year's project addresses needs at the water treatment plant, including chlorine scrubber replacement, electrical conduit replacement, concrete repair in the washwater recovery vault and basin, washwater tank upgrades, and washwater pump station upgrades.

Status: The Contract for construction was awarded by Council on May 2, 2017. Staff is currently reviewing submittals that the Contractor has provided. Construction is scheduled to begin in early June and be complete by December.

Blue Crystal Reservoir Rehabilitation – CIP # 1767

<u>Project Manager:</u>	Taryn Kjolsing
<u>Total Appropriation:</u>	\$450,000
<u>Design Status:</u>	Complete
<u>Estimated Start of Construction:</u>	January 2017
<u>Estimated Completion of Construction:</u>	August 2017

Project Description: Blue Crystal Reservoir was constructed in 1981 and consists of a 700,000-gallon steel tank. The condition assessment found this facility to be in fair-to-poor condition. Significant rehabilitation is required to extend the useful life of the reservoir. The reservoir rehabilitation scope includes: recoat tank interior, seismic evaluation and anchoring, add overflow pipe air gap, add flexible pipe couplings, add bollards around tank inlet/outlet piping, modify ladder rail at top of tank, repave and seal driveway pavement, replace telemetry equipment, and evaluate cathodic protection (CP) system for maintenance.

Status: Construction is ongoing at Blue Crystal Reservoir. The temporary tank has been delivered and installation is ongoing. The Contractor is scheduled to be complete with the work by August 2017.

Welton Reservoir Rehabilitation – CIP # 1768

<u>Project Manager:</u>	Taryn Kjolsing
<u>Total Appropriation:</u>	\$1,000,000
<u>Design Status:</u>	Complete
<u>Estimated Start of Construction:</u>	February 2017
<u>Estimated Completion of Construction:</u>	August 2017

Project Description: Welton Reservoir is a 2.0 million-gallon steel tank constructed in 1980. The condition assessment found this facility to be in fair-to-poor condition. Significant rehabilitation is required to extend the useful life of the reservoir. The rehabilitation scope includes: recoat tank exterior, recoat tank interior, seismic evaluation and anchoring, repair voids at tank footing perimeter, epoxy injection repair of ring footing cracks, add overflow pipe air gap, add flexible pipe couplings, add bollards around tank inlet/outlet piping, modify ladder rail at top of tank, replace electrical service entrance equipment, replace telemetry equipment, evaluate CP system for maintenance, and replace staff gauge.

Status: The construction contract was awarded by Council on December 6, 2016. **Construction is ongoing. After removing the coal tar from the floor of the tank and inspection spot blasting of the roof, holes and severe corrosion were discovered. Staff is working on issuing the Contractor change orders to replace a section of the floor and repair the holes in the roof. Because of this additional work, the completion date has been pushed out to early August 2017. This change in schedule does not affect the rehabilitation timelines of any other reservoirs.**

SEWER UTILITIES

Martincoit Road Sewer Upsize – CIP # 1833

<u>Project Manager:</u>	Taryn Kjolsing
<u>Total Appropriation:</u>	\$2,300,000
<u>Design Status:</u>	Beginning
<u>Estimated Start of Construction:</u>	February 2018
<u>Estimated Completion of Construction:</u>	July 2018

Project Description: This project replaces surcharging pipes along Martincoit Road, between Espola Road and Camino del Valle. The 8-, 10-, and 12-inch pipelines are more than 50 percent full under existing peak dry weather conditions. The pipelines are surcharged under existing peak wet weather conditions for both the 5-year and 25-year modeled storm events. Approximately 1,870 feet of 8-inch diameter pipe will be replaced with 12-inch diameter pipe and 2,970 feet of 10- and 12-inch pipeline will be replaced with 15-inch diameter pipe.

Status: The design of this project has begun with a kickoff meeting and site visit. The City's Consultant has stated that design will be complete in December 2017. Due to the existing sewer pipe's proximity to an existing creek, this project will require a biological assessment and regulatory agency permitting. The amount of time required for regulatory permitting is unknown at this time. Because of this, construction could begin as early as February 2018 or be pushed until the end of 2018.