

City Manager's Report

October 15, 2020

Council and Colleagues, Greetings.

These reports will be included in the City Council packet for regularly scheduled Council meetings, excluding Work Session meetings. The reports are intended to be informational, covering miscellaneous events and topics involving the City organization. In no particular order...

Community Development

Awards

In the previous Report, we were able to highlight a couple of very impressive awards received by the Water Resources Team. Now we are highlighting yet another remarkable award as received by a member of our Community Development Team. This is quite an accomplishment, and so very well deserved. Please see below quotes:

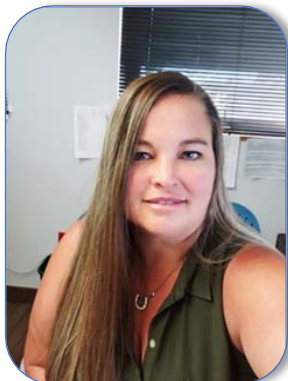
"Our Building Official Amy Palmer has just been awarded the prestigious award of **Building Official of the Year from the Arizona Building Officials Organization!**



Amy truly deserves this award. Observing Amy's efforts over the last 5 or so years, in becoming Building Official, earning her CPM from ASU, not only by being a leadership mentor to myself but a code official mentor to our entire program, Amy's career track is very impressive! The entire building inspection and plan review staff greatly value Amy's kind, professional, and compassionate guidance.

And knowing that she juggles a demanding City of Flagstaff day job with the even more challenging full-time job of mother to her two girls makes earning this award even more impressive. A round of applause! Congrats Amy!"

-- Rick Staniosis



"It was quite a surprise and I'm very humbled by what was said by those who nominated me. I truly love my job, where I work and my staff. I couldn't be what I am without excellent people on my team and I appreciate all they do for me and for the City. I believe Building Safety represents the City extremely well."

-- Amy Palmer

Capital Projects Update

And also coming from Community Development, please see the October Update from Capital Projects, which is appended to this Managers Report. The Capital Projects team has been very busy on a multitude of projects ... and lots to show for it. See the respective projects that are referenced in the attached report.

New Courthouse is starting to see life!

WE'RE MOVING IN!!!! The State elevator inspector just signed off. This means that the project should be receiving its Certificate of Occupancy shortly. The Court and Prosecutor's staff have been moving into the building the week of October 12th with start of Court business scheduled for October 19th.

There have been extensive training sessions this week on electrical, HVAC, plumbing, fire safety, landscaping, and audio/visual systems for City Facilities staff and building occupants. City Facilities staff will be clearing out the old Court and Prosecutor's offices October 19th - October 30th and building abatement is scheduled for the week of November 2nd with demolition to follow. More information of the move-in is provided in the attached Capital Projects Update.



Police Department

General Updates

- Flagstaff Police Department staff attended the FUSD Townhall presented by the Anti-Racism/Bias Commission, met with NAU Dean on Student Conduct, Court Security and Emergency Preparedness Meeting, High Country Humane meeting, and a 911 rerouting of mental health crisis calls meeting.
- FPD Patrol monitored a first amendment assembly protest on October 5th at City hall for teachers/citizens who wanted the schools to open and an anti-Columbus protest on October 11th. Council was copied on a letter from the City Manager to the PD personnel to recognize the excellent work in keeping things peaceful during this protest.
- Sgt. Hernandez did a driver's education presentation via ZOOM for Coconino High School.
- Communications Manager Katie Brandis attended a text to 911 meeting and the system is set to go live in December.
- There was a mandatory training for all officers on Understanding Stress & Trauma and How to Cope which included an evening session allowing partners and spouses of Officers an opportunity to attend.
- Special Services Manager Chad Smith attended a meeting with City and County IT to determine a path forward for changeover to City Information Technology being their support for E-mail, Phones, desktops, and help desk issues.
- Interim Chief Musselman was interviewed by an NAU student group requesting police reforms.

Staffing

The Flagstaff Police Department experienced full staffing from April through June of 2020. It was a milestone accomplishment. It was also very short lived.

Since June, there has been an increase in Department personnel deciding that police work is no longer for them, they are going to retire, or there are reasons for them to go and work for another agency (closer to family or due to cost of living). We have seen a bit of an exodus.

The Flagstaff Police Department is currently down 12 of 70 officer positions in patrol. This includes the seven positions of which the Department is accepting applications (two in the Academy, graduating in December; two in Field Training with completion by December; and one on leave). There are also four employees out due to COVID which brings this total to 16 out of 70. In addition, the Department has two more employees retiring in October/November, one more potential retirement in February, and three officers testing for other agencies.

When there is an increase in the number of vacancies this can lead to squads running at minimum staffing, the suspension of specialty assignments, and more difficulty in scheduling officer training. During this pandemic the amount of time it takes to book an individual can also take an officer out of patrol for a couple hours, which leaves an even lower number of officers to respond to calls for service. Workload can become overwhelming and fatigue sets in.

The Flagstaff Police Department have had 29 officer applications since June of 2020, with two hires, and a third who was hired and sent to the Police Academy in September. Unfortunately,

this candidate decided to pursue a different career while attending the Academy. There are currently three applicants in the background process and five scheduled for testing.

Recruitment of officers during a pandemic, and certainly in the middle of a national anti-police narrative, is quickly becoming a difficult task. Many who may have been interested in a career in law enforcement are now choosing a different path.

Given changes in criminal justice program focus, some universities may no longer be a viable resource. Human Resources and our Police Department personnel are working to find new areas to recruit, including the consideration of recruitment through other western state colleges outside of Arizona with programs that align with Flagstaff's policing philosophies, or the direct recruitment of officers from other states who may wish to relocate to a more desirable location such as Flagstaff. Most recently there has also been discussion of underfilling an officer position in order to hire additional police aides to better manage the workload. Although police aides are not certified police officers, they can respond to non - emergency calls and provide assistance to officers, which allows officers to respond to higher priority calls and balance the large volume of calls for service. Stay tuned on this emerging topic of high importance.

Fire Department

- When looking at the number of calls for service for the first half of the calendar year, the FFD has experienced an increase in calls over the past two years. In 2018 there were 6,854 calls for service, which grew to 7,206 in 2019, and 7,443 in 2020.
- FFD started tracking COVID 19 related calls on March 19th. Since then FFD has had 390 responses for these calls, with an average of 1.9 per 24-hour shift.
- After a very competitive process, two employees will be promoted to the rank of Captain and Engineer. Mike Felts will be promoted to the rank of Fire Captain and Katie Brown to the rank of Fire Engineer. Congratulations to these fine employees for their advancements. Stay tuned for additional information regarding the effective dates of the promotions and assignments.

Human Resources

- Alan Key has joined the City as the new HR Manager. Congratulations to Alan, and welcome to the team!
- HR has been working on implementation of new evaluation software. It will prove to be a much more meaningful, and easier to use, evaluation tool. It will also incorporate more goal-based criteria and leadership-based competencies. Stay tuned.

Public Works

- In accordance with Council directive, the Jay Lively Activity Center has reopened on Monday, October 12th.
- The Joel Montalvo Park building lease RFP closed on September 29th with one (1) submittal.

- Repairs are complete on the FUTS that was compromised by two adjacent private developments causing a slipping hazard on the low-water crossing. Parks created a U-channel grate system with a cut and pour back of the concrete trail. The repair looks amazing (see picture).



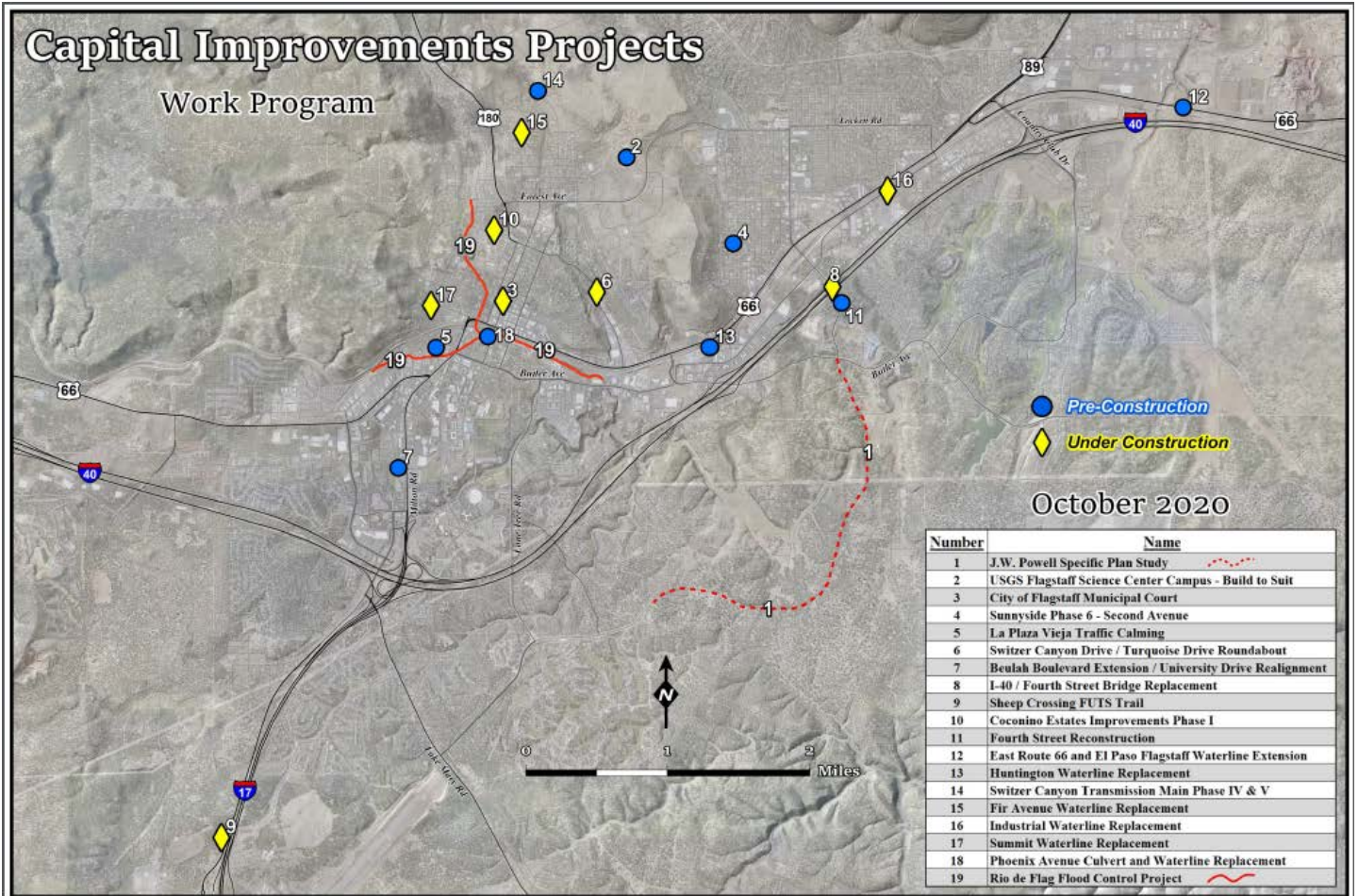
- On October 24th and 25th, 2020, Parks, Sustainability, Solid Waste, and NAU are all participating in a drop-off event for compostable green waste: pine needles, leaves, and grass clippings. There will be a few locations within City limits over that weekend with the sites managed by staff.
- City Hall, following the guidelines as established under the Re-Entry Phase 3 Guidelines, has been functioning quite well with the issuance of face masks to citizens needing access for business in the facility. Customer Service and Community Development are averaging five to ten customers a day each. Big props to the Facilities crew and the employees for helping to ensure compliance.
- As noted elsewhere in this report, but indeed worthy of multiple comments, the Municipal Court has started moving on October 12th. The courtroom is expected to be operational on Monday, October 19th. The “old” City Courts and Prosecutors Building will be closing next week for occupancy and Facilities staff will use the next two weeks, prior to asbestos abatement, for clearing the building of items left behind. Only minor salvage is expected with furniture and fixtures.
- Through analysis with the Parks’ arborists, staff are seeing upward of 80% mortality of new trees planted last year because of the severe drought conditions. Additionally, many of those trees also have frost-cracking. It’s been a tough year on the new plantings. Staff will continue to explore the best resources for nursery and tree types appropriate for the changing climate.
- Street sweeping operations are seeing an increase in pine needles and fall leaves (perhaps related to drought conditions as noted above). Work continues in areas throughout the community and is taking repeated passes in some areas to clean properly and collect the fall foliage.
- Fleet preparations are in process of reviewing status of snow operations equipment as well as Fleet Services parts inventory supporting our winter activities. Council will soon be hearing an update regarding this year’s snow operations. And ... a timely reminder to all to please check your tires, lights, and wipers before the snow flies.

Risk Management

- Since July 1st to date we have had seven recordable injuries. This compares to a seven-year average of 14 per year. This is our best year to date for injury reductions, and we are all grateful for this.
- The total number of liability, property, and auto claims is running on par with previous years.

Finally, the attached Capital Projects Update for October is provided for your information. The map below will give you a location reference of the respective projects. Enjoy!

That's all for now Council. Onward and upward ...





COMMUNITY DEVELOPMENT DIVISION

ENGINEERING SECTION

Monthly Capital Projects Report

October 2020

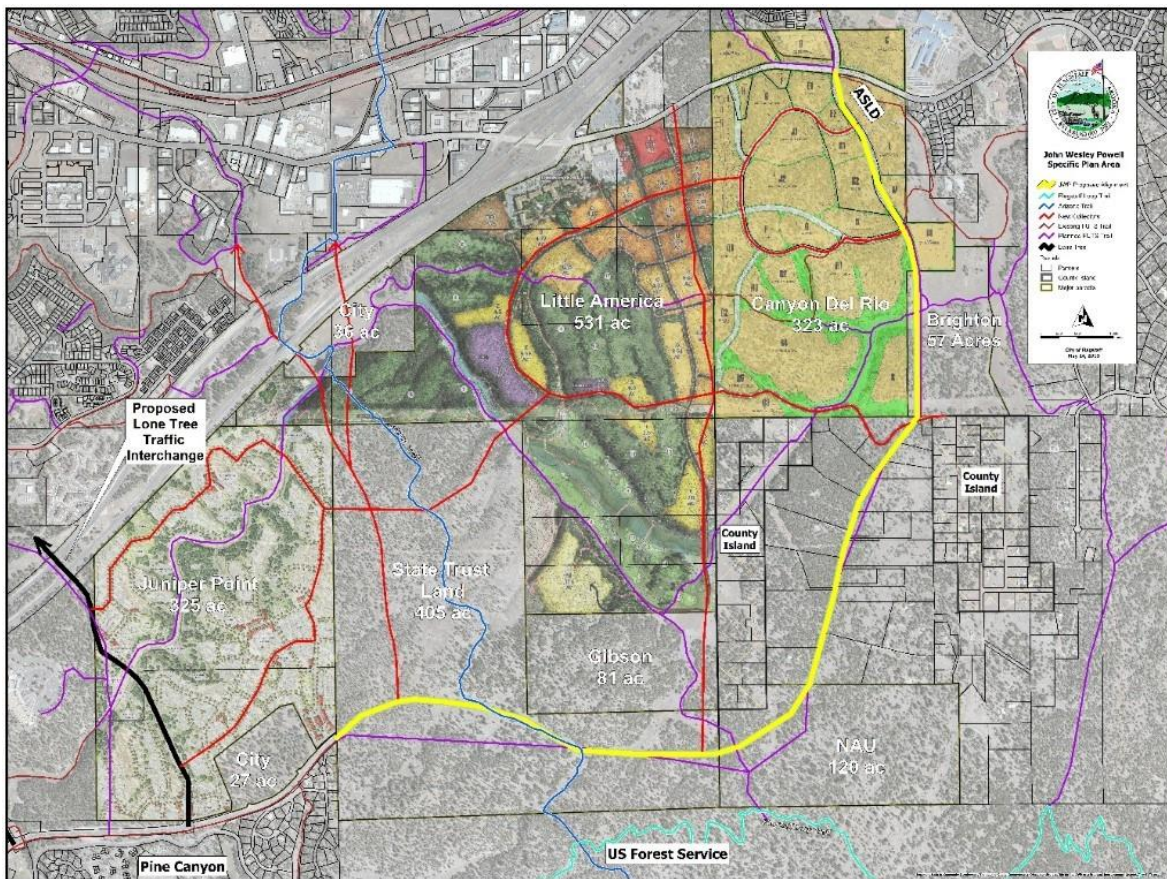
J.W. Powell Specific Plan Study (PLANNING PHASE)

FUND: GENERAL GOVERNMENT & TRANSPORTATION TAX

Description – The purpose of the John Wesley Powell Specific Plan Study (Study) is to develop a specific plan to guide the future private development of public infrastructure, utilities and facilities. Phase 1 of the project is the conceptual design of the future public infrastructure (roads), public utilities and facilities location analysis. The conceptual design is required to meet the full City infrastructure standards including street improvements, potable water, sanitary sewer mains, storm drain systems, street lighting and associated appurtenances. Phase 1 of the Study includes a sanitary sewer system master plan for the area. A water system master plan was previously developed for the area. Phase 2 of the Study is development of the planning elements necessary to gain City Council approval of a Specific Plan.

Project Update:

- Peak Engineering and City Staff are reviewing data to be shared at the 27 October Council meeting.
- Change Order 3 is being reviewed to add public involvement component of corridor-affected parcel owners during Phase 1, prior to transitioning to Phase 2 (spring 2021) which will have additional public involvement.



Proposed alignment of new J.W. Powell Boulevard and Fourth Street; denoted by yellow line

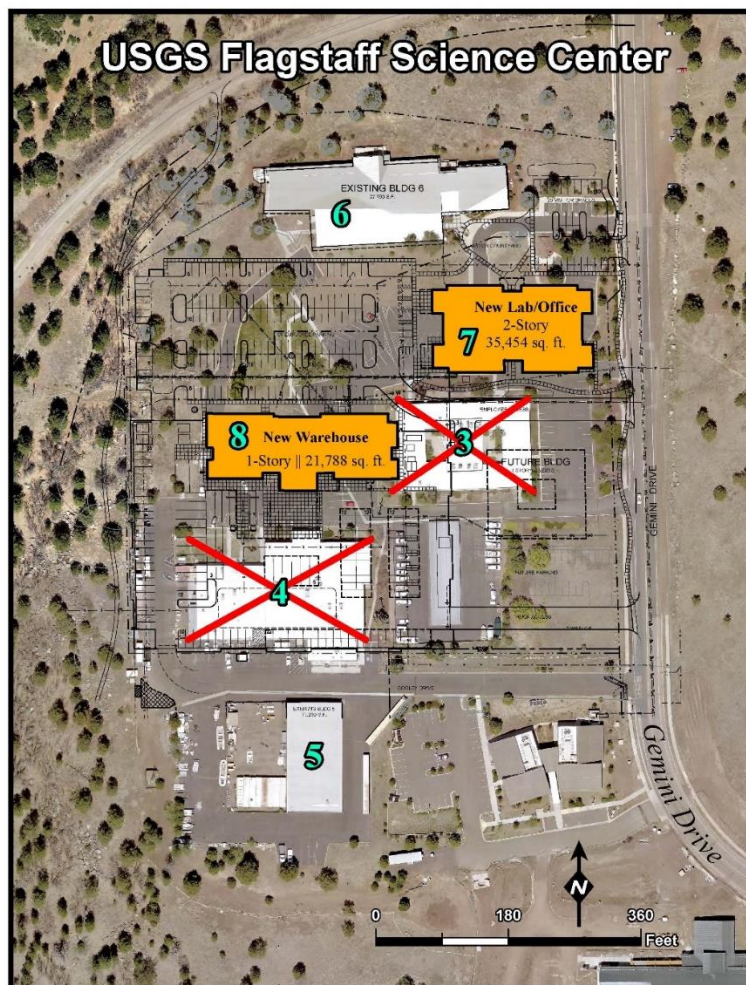
USGS Flagstaff Science Center Campus - Build to Suit (DESIGN PHASE)

FUND: GENERAL GOVERNMENT

Description – This project will bring new improvements to the USGS Flagstaff Science Center Campus, located just south of Buffalo Park. There will be two existing buildings demolished (buildings 3 and 4), and two new buildings constructed (buildings 7 and 8). One of the new buildings will be a new lab and office facility while the second building will be a new warehouse. These two new buildings will require a minimum certification from the U.S. Green Building Council’s Leadership in Energy and Environmental Design (USGBC) of “Green Building Rating System” of “LEEDTM Silver for New Construction (NC).”

Project Update:

- City Staff is working to draft Request for Statement Of Qualifications (RSOQs) to procure a design-build contractor.
- Lease agreement approved by Council on 15 September.



*USGS Flagstaff Science Center Campus.
Buildings to be constructed are shown in orange.
Buildings 3 and 4 (shown with red X) will be demolished.*

City of Flagstaff Municipal Court (CONSTRUCTION PHASE)

FUND: GENERAL GOVERNMENT

Description – The City of Flagstaff Municipal Court Project is a 40,000 SF facility that will provide full user services to the City Court, the City Prosecutor’s Office, and the public. It is located two blocks north of the existing Court facility, at 101 W. Cherry. Amenities include: four court rooms, one hearing room, administrative staff offices for the Court and Prosecution, in-custody detention and processing, and customer service facilities

Project Update:

- **WE’RE MOVING IN!**
- The Court and Prosecutor’s staff are moving into the building the week of October 12 with start of Court business scheduled for October 19.
- Construction is nearing full completion with final Certificate of Occupancy inspections and punch list items occurring the week of October 12.
- There have been extensive training sessions this week on electrical, HVAC, plumbing, fire safety, landscaping, and audio/visual systems for city Facilities staff and building occupants.
- The elevator final inspection and sign off is anticipated for October 14.
- City Facilities staff will be clearing out the old Court and Prosecutor’s offices October 19 - October 30 and building abatement is scheduled for the week of November 2 with demolition to follow.



Court Facility looking at the main entrance – northeast corner

Dedication plaque – it took a great team of staff, hard work from the contractor and consultants, and the support of City leadership to make this building a success.



Lobby looking north to the main entrance. Millwork is mounted to route traffic in and out through the security area.



Division 3 Court Room on the second floor

New Court Room ready for action! Note the large monitor screen on the wall to the left of the bench to assist with presentations of evidence.





Furniture being installed in the Court Customer Service staff area

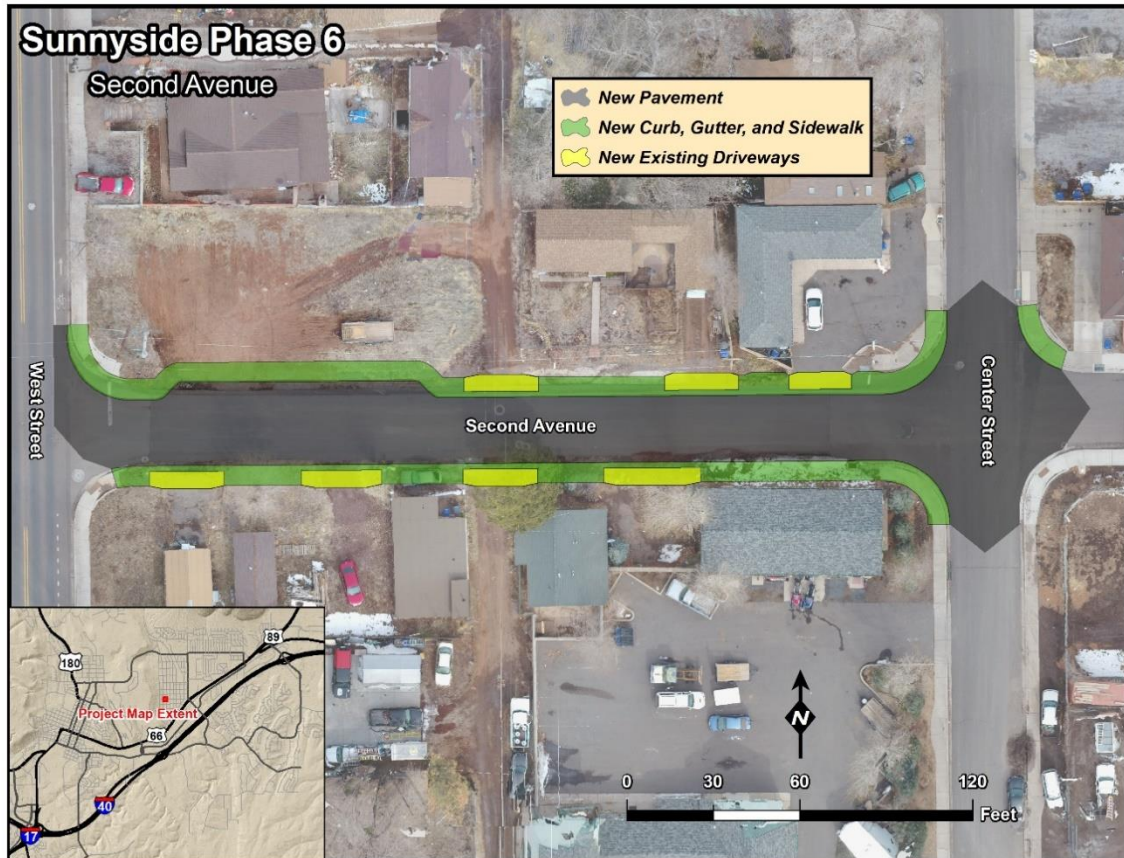
Sunnyside Phase 6 – Second Avenue (DESIGN PHASE)

FUND: HIGHWAY USER REVENUE FUND (HURF)

Description – This project improves stormwater drainage, rebuilds the asphalt roadway surface, and constructs sidewalks and driveways along one block of Second Avenue, between West and Center Streets, in Sunnyside.

Project Update:

- The final plans by Peak Engineering have been signed by appropriate city staff.
- This project does not currently have funding for construction.
-



Extent map of the Sunnyside Phase 6 – Second Avenue Project

La Plaza Vieja Traffic Calming (DESIGN PHASE)

FUND: TRANSPORTATION TAX (SAFETY) & HOUSING [CDBG] ALLOCATION

Description – The project is assisting the neighborhood by improving pedestrian safety of crosswalks, sidewalks, bike lanes and storm drainage at the Kingman Street and Florence Street/Malpais Lane intersections with Clay Avenue.

Project Update:

- Capital Improvements is assisting Comprehensive Planning.
- Consultant is working on the 90% plans and specifications.



Conceptual Plan of Proposed Improvements

Switzer Canyon Drive/Turquoise Drive Roundabout (CONSTRUCTION PHASE)

FUND: TRANSPORTATION TAX (SAFETY) & HIGHWAY SAFETY IMPROVEMENTS PROGRAM (HSIP)

Description – This is an intersection safety improvements project through the construction of a roundabout at the intersection of Switzer Canyon Drive / Turquoise Drive / Canyon Terrace Drive. The project is being managed and delivered by ADOT.

Project Update:

- ADOT and McDonald Brothers, the Contractor, performed the pavement corrections and various punch list items during the week of July 13 through July 16, 2020.
- A few items remain on the punch list. Date for completion of these items is to be determined.
- City staff and ADOT will be meeting with McDonald Brothers to discuss final disposition of construction related claims for additional contract time in early December.



Corrected pavement looking north

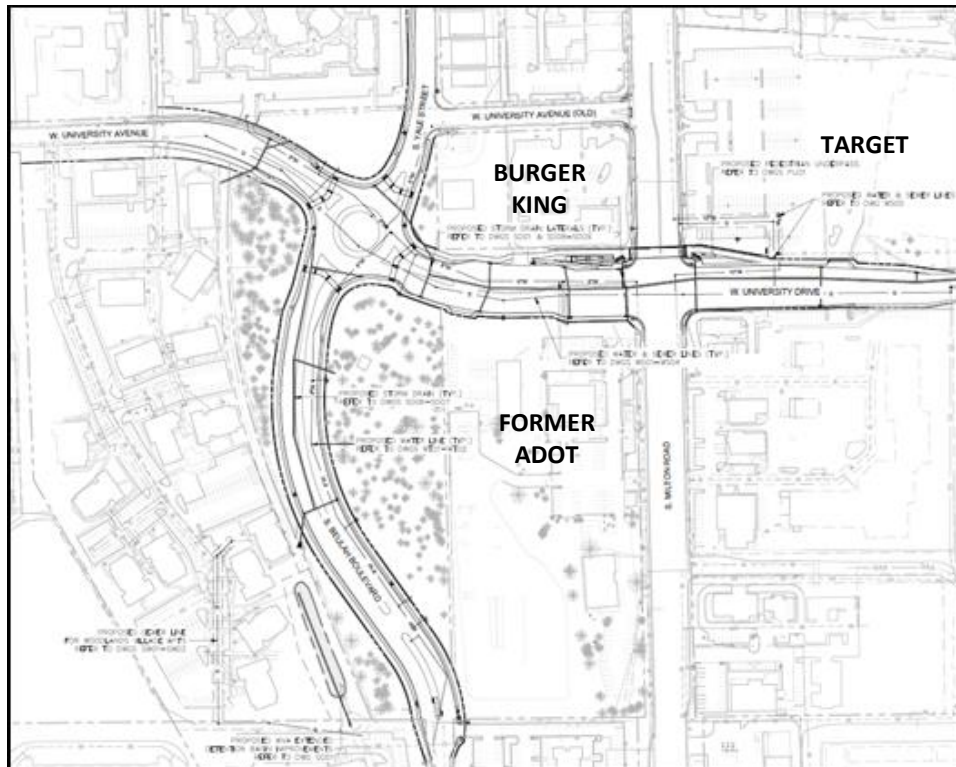
Beulah Boulevard Extension/University Drive Realignment (DESIGN PHASE)

FUND: TRANSPORTATION TAX (STREETS)

Description – This project extends the northern terminus of Beulah Boulevard to connect with University Drive. Furthermore, University Avenue (west of Milton) will be realigned to match up with University Drive (east of Milton). A new roundabout will be constructed where Beulah Boulevard and University Drive will intersect.

Project Update:

- Lovén Contracting is expecting to begin demolition work beginning Monday, 19 October. This project will demolish the three former ADOT structures and four former Fresquez structures.
- City staff is working with the Police and Fire Departments to offer critically important training in the buildings to be demolished.
- City staff is reviewing the escrow instructions for the City and Vintage Partners to fund the final design.



Extent map of new Beulah and University Realignment – taken from 30% plans

I-40/Fourth Street Bridge Replacement (CONSTRUCTION PHASE)

FUND: TRANSPORTATION TAX (STREET & OVERPASS)

Description - A partnership with ADOT, the I-40/Fourth St. Bridges Project will replace the existing two travel lane bridges across the interstate with new bridges accommodating four travel lanes, a center median/turn lane, bike lanes, FUTS trail and pedestrian/bike path. A bridge slide will be utilized to reduce closures of Fourth St. from 3-4 months to approximately 17 days. The project is being administered by ADOT and the total City financial commitment is \$8,854.644.

Project Update:

- Striping of Fourth Street is complete.
- Lane shifts will continue on I-40.
- Bridge painting is underway.
- Punchlist work will continue into late October for final project completion.
- A project celebration event has been scheduled for October 19th at 11:00AM (on site).



Fourth St. Bridge – Construction continues

Sheep Crossing FUTS Trail (CONSTRUCTION PHASE)

FUND: TRANSPORTATION TAX (FUTS)

Description – The Sheep Crossing FUTS Trail connects the Ponderosa FUTS Trail on the east end, just south of the Ponderosa Trails Subdivision, and the Sinclair Wash FUTS Trail on the west end. The western portion of the trail is in Fort Tuthill County Park and intersects the County’s Soldiers Trail. Furthermore, this 0.74-mile trail is a connecting portion of the greater 44-mile Flagstaff Loop Trail. This trail utilizes two concrete box culverts for passage under Highway 89A and Interstate 17.

Project Update :

- FUTS safety fencing has begun west of the West Portal (see picture below).
- New guardrail installation continues along southbound Beulah/89A.
- FUTS trail aggregate is being placed on the western portion of the trail.
- Preparation underway for 10-barrel scupper at the East Portal.



Beginning of the FUTS safety fencing installation on the west side of tunnel

Coconino Estates Improvements Phase I (CONSTRUCTION PHASE)

FUND: ROAD REPAIR & STREET SAFETY

Description - This is a utility and roadway improvements project located in the Coconino Estates neighborhood on Beal Road from Rockridge Fort Valley, Navajo Drive from Navajo Road to Murray, Whipple Road from Navajo Drive to McMillan, and Navajo Road from Navajo Drive to Fort Valley. Improvements on the streets generally consist of replacing existing infrastructure with new, including water and sewer mains, water and sewer services, fire hydrants, storm drains, street lights, the entire asphalt road way, and defective select edge improvements (curb & gutter, sidewalk, etc.), except for Whipple Road which will only receive a new water main. There will also be new infrastructure added consisting of underground electric lines for streetlighting and sidewalk on both sides of the street where it does not currently exist on Beal Road, Navajo Drive south of Beal, and on Navajo Road.

Project Update :

Navajo Road (Construction Zone #1)

- Completed utility installations including new water and sewer mains, water and sewer services, and underground electric conduit.
- Curb and gutter, sidewalk, and driveway installation continues.
- Roadway demolition and subgrade preparation continues.
- Paving is scheduled for October 13 from HWY 180 to the west side of the Hopi intersection.

Navajo Drive (Construction Zone #2)

- Sewer service and manhole installation continues.

Traffic Impacts

- Navajo Road, Navajo Drive, and the Navajo/Hopi Intersection are closed to through traffic.
- Detours are posted around the closures.
- During the Navajo Road and Hopi Drive Intersection closure, Mountain Line Bus route #5 will detour down Beal Road and Aztec Street to get from Fort Valley Road to Thorpe Road instead of its typical route down Navajo Road and Hopi Drive.
- Mountain Line's stops 7 and 25 on route #5 will be closed during the Navajo Road and Hopi Drive intersection closure, riders have been informed to use stops 2 and 26 instead.

Spruce Trees at 510 W. Beal Road

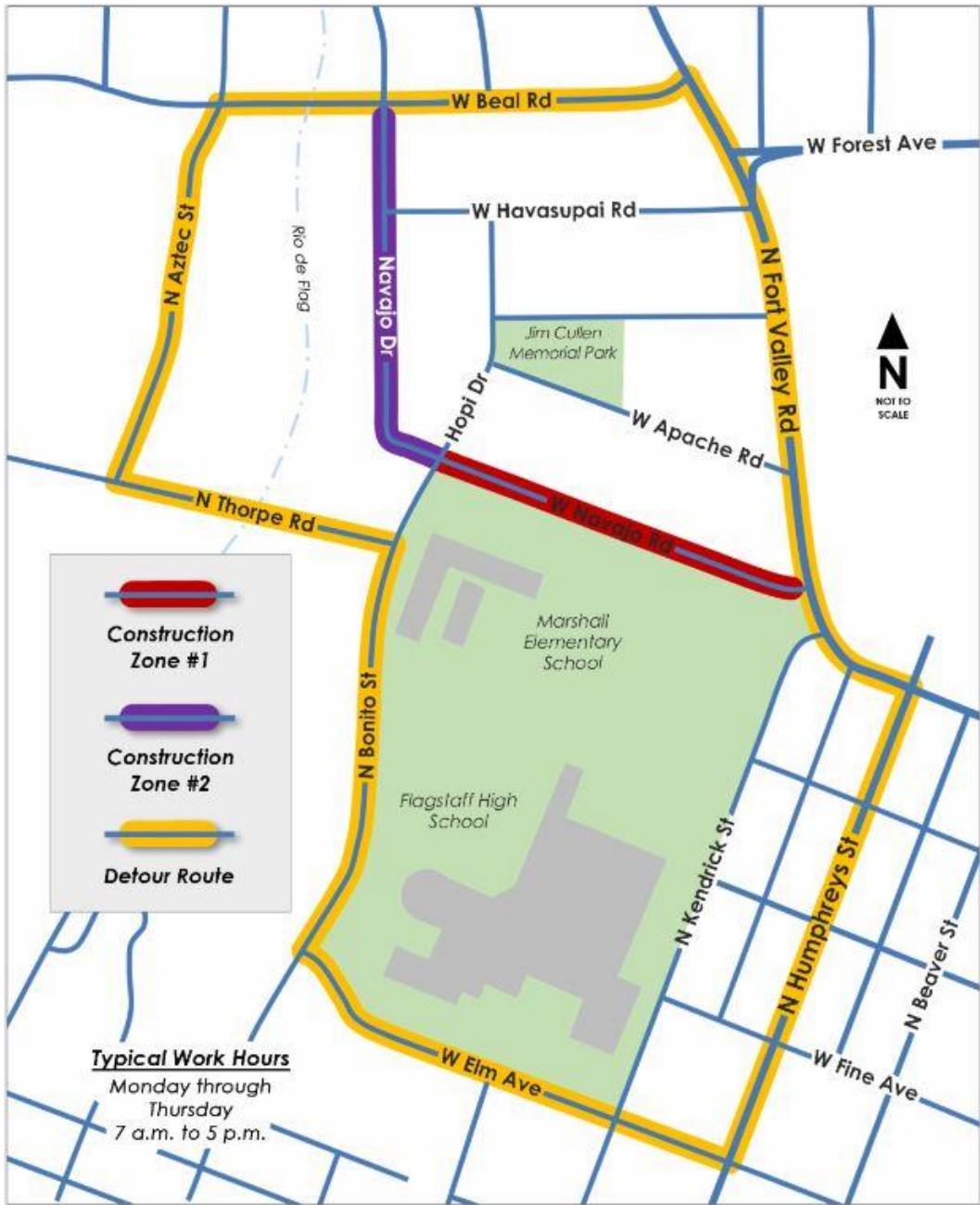
- Staff will be working with the contractor and an arborist in early November to ascertain ability to save one of the mature spruce trees on the north side of Beal Road adjacent to US180 (Ft. Valley Road).

Phase I North

- Consideration of approval of Amendment One to the Construction Manager At Risk Construction Services Agreement will be presented to Council at their November 17th meeting.



New curb/gutter, sidewalk, and driveways, with roadway demolition and subgrade prep, looking east on Navajo Road



Current road closures and detours

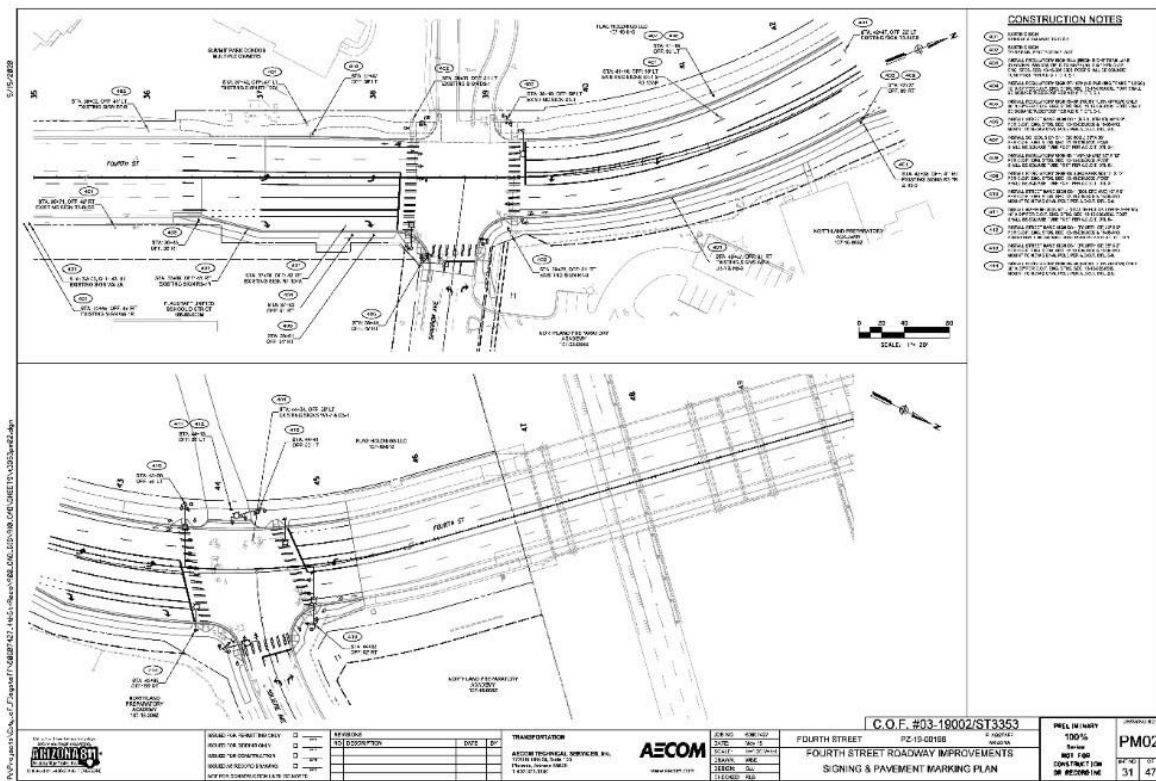
Fourth Street Reconstruction (DESIGN PHASE)

FUND: TRANSPORTATION TAX (RENEWED TAX)

Description – The project is on Fourth Street from the Soliere Avenue intersection, southerly to just past the Sparrow Avenue intersection. The work will construct a new pavement section with two northbound and two southbound lanes and a center turn lane, northbound dedicated right turn lanes from Fourth Street onto Sparrow Ave. and onto Soliere Avenue, new streetlights, new traffic signals at Soliere Avenue, new fire hydrants, new 12” water main and new 8” water main, curb and gutter and new sidewalk. The reconstruction work will connect with the bridge replacement project.

Project Update:

- Final plans have been approved.
- Project will be advertised in Fall 2020 with construction start in early 2021.
- Council consideration of contract award is anticipated at the December 15th Council Meeting.



Fourth Street Reconstruction Overview Plan

East Route 66 and El Paso Flagstaff Waterline Extension (DESIGN PHASE)

FUND: AGING INFRASTRUCTURE

Description – A utility improvements project that extends the 12” ductile iron waterline approximately 2,450 linear feet from the intersection of Test Dr. and Rt. 66 to the intersection of El Paso Flagstaff Rd. The waterline extension continues up El Paso Flagstaff Rd towards the Wildcat Treatment plant with approximately 1,600 linear feet of 8” ductile iron waterline. The project also calls for a repave of El Paso Flagstaff Rd. for the extents of the waterline extension.

Project Update:

- Capital Staff is working with the Real Estate Manager to secure easements for the new waterline.
- A Professional Services contract was approved with SWI on 4/22.
- Civil Plans are under review and should be completed by early October.
- Plans are being coordinated with the proposed Industrial Park to the east, a private development, to provide them water access and to mitigate future pavement cuts into the new road.
- Tentative construction schedule is to construct the waterline extension along Rt. 66 and El Paso Flagstaff Road during winter of 2020/2021 followed by paving of El Paso Flagstaff Road in the Spring of 2021.



*Intersection of Rt. 66 and El Paso Flagstaff Road
looking north towards the Wildcat plant where the waterline will extend to*

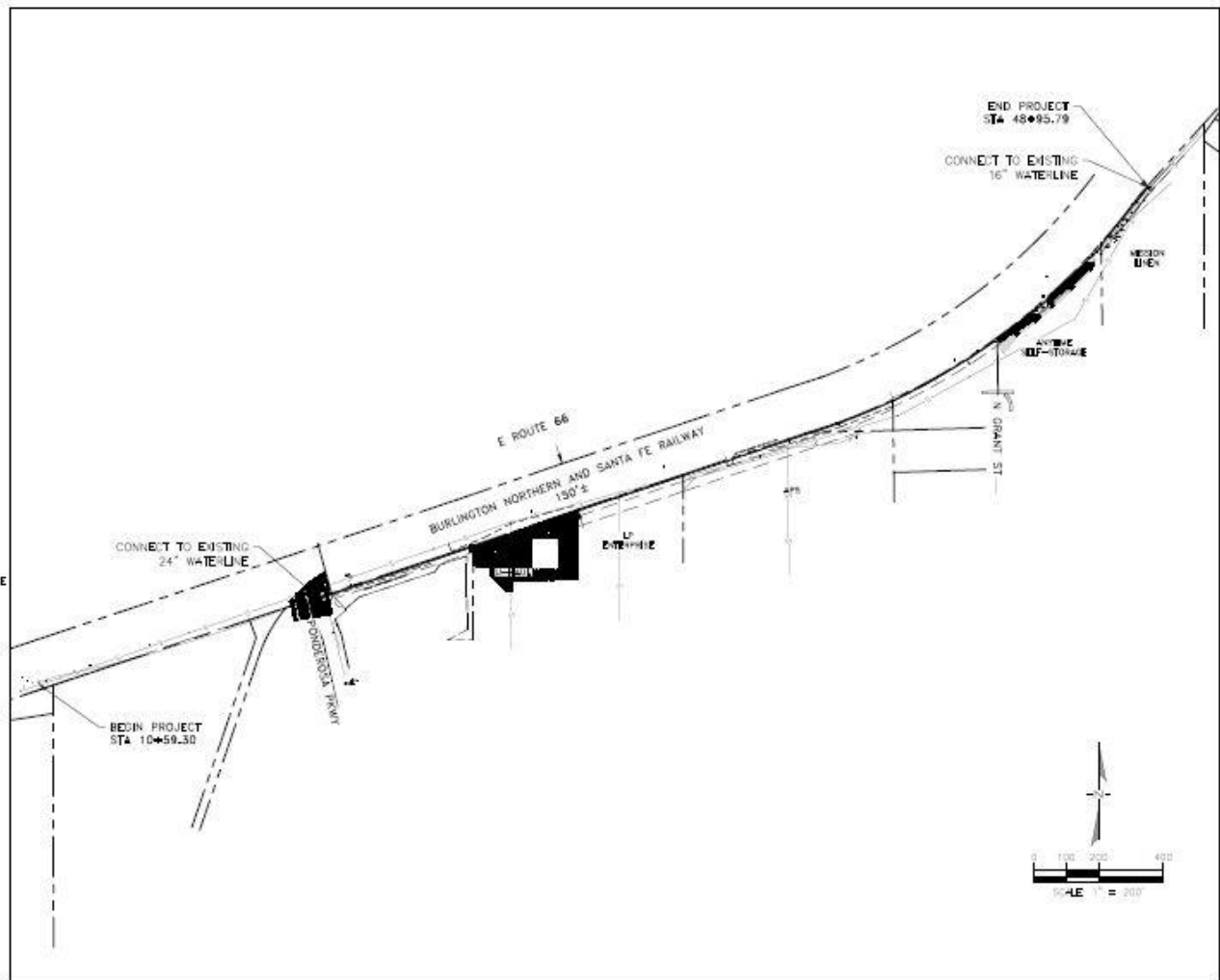
Huntington Waterline Replacement (DESIGN PHASE)

FUND: AGING INFRASTRUCTURE

Description - The Project consists of installing 3,000 LF of new 16" DIP, and associated roadway improvements. Included in the project will be new water services, fire hydrants and Air Release Valves. The existing waterline in this area is over 60 years old. This project is part of the City's ongoing aging water infrastructure replacement program.

Project Update:

- Plans have received approval to construct from ADEQ
- Plans are being routed for final approval with the City
- The bid package is being compiled for advertising
- Current working schedule has a proposed start of construction in late February of 2021



Vicinity Map of improvements

Switzer Canyon Transmission Main Phase IV & V (Design Phase)

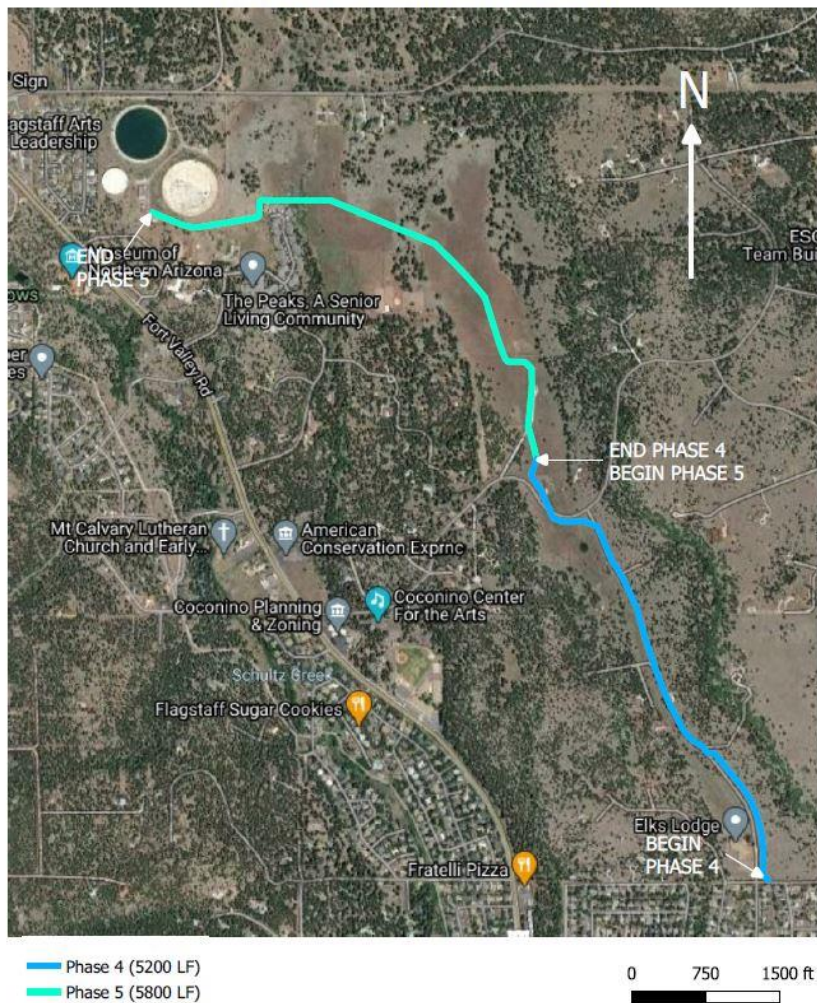
FUND: AGING INFRASTRUCTURE

Description – The Project consist of installing two new transmission mains, 24” and 16”, that will complete the distribution system, zone A and B, from the Downtown area to the City Reservoirs near Cheshire. The length of Phase IV and V is approximately 11,000 feet. The project is within City limits and the urban distribution service area within the County. Included in the project will be the two water mains with appurtenances, new bundled water meter/service locations and fire hydrants.

Project Update:

- Phase IV is at a 60% design phase with the consultant.
- Property acquisition is underway with legal descriptions, environmental clearances and site assessments.
- Phase V is in the planning phase to define the final alignment.
- Construction of Phase IV is anticipated for 2021
- Construction of Phase V is anticipated for 2022

FIGURE 1 - SWITZER CANYON WATER LINE
PHASE IV & V CURRENT ALIGNMENT



Fir Avenue Waterline Replacement (CONSTRUCTION PHASE)

FUND: AGING INFRASTRUCTURE

Description - The Project consists of installing 3,000 feet of new 8" DIP, 100 feet of new 6" DIP and associated roadway improvements. Included in the project will be new water services, fire hydrants and Air Release Valves. The project is in the Mount Elden Park Subdivision, north of Flagstaff Medical Center. The project is approximately three blocks of Fir Avenue and one block of Mesa Avenue.

Project Update:

- Asphalt pavement was placed in the trench patches for 1/3 of the project limits.
- New water service lines were connected to existing meters for the entire project.
- Project restoration measures have started for the project limits.
- Notices of water shutdowns have been distributed **per the City's approved protocol.**
- New infrastructure will reduce failures of the existing water system resulting in flooding of private properties downstream of Fir Avenue and Mesa Drive.
- New infrastructure will also reduce the costly operation and maintenance of the existing water system by minimizing breaks and material failures.



Project restoration in the natural area between Mesa and Fir

Industrial Waterline Replacement (CONSTRUCTION PHASE)

FUND: AGING INFRASTRUCTURE

Description - A utility improvements project on E. Industrial Drive from approximately Steves Boulevard to N. Caden Court. The improvements consist of replacing approximately 2,050 feet of 16" ductile iron waterline pipe, associated paving for the waterline trench, removal and replacement of curb, gutter and valley gutter. The existing waterline in this area is over 60 years old. This project is part of the City's ongoing aging water infrastructure replacement program.

Project Update:

- The waterline system was pressure tested with passing results this week.
- The waterline system will be chlorinated for disinfection end of week and then paving will commence early next week, 10/12.
- Traffic control is in place with a south lane shift on Industrial Dr. from Caden Court to Walgreens St.



Crews installing last legs of new waterline before the tie ins at the intersection., Industrial Dr., looking East

Summit Waterline Replacement (CONSTRUCTION PHASE)

FUND: AGING INFRASTRUCTURE

Description - Approximately 3,300 ft of new waterline, water services, fire hydrants, and pavement reconstruction. The City intends to replace the water infrastructure and pavement on: S. Walnut Street from Santa Fe Avenue to Coconino Avenue; S. Sycamore Street from Santa Fe Avenue to Grand Canyon Avenue; S. Spring Street from Montvale Avenue to Grand Canyon Avenue; W. Summit Avenue from Santa Fe Avenue to end; and W. Santa Fe Avenue from Walnut Street to Thorpe Road. Waterline only will be installed on W. Montvale Avenue from Santa Fe Avenue, to end. The existing waterlines in this area range from 58 to more than 90 years old. This project is part of the City's ongoing aging water infrastructure replacement program.

Project Update:

- Water tie-ins on Walnut St., Sycamore St. and Summit Ave. completed.
- Pavement removal underway on Walnut St. and Sycamore St.
- Waterline work has begun on Santa Fe Ave.
- Select replacement of sidewalk panels and curb and gutter.
- Construction yard is set up on Coconino Avenue and sharing the overall space with the Humphreys Street ADOT project.



Summit Water Project-Pavement removal on Walnut Street

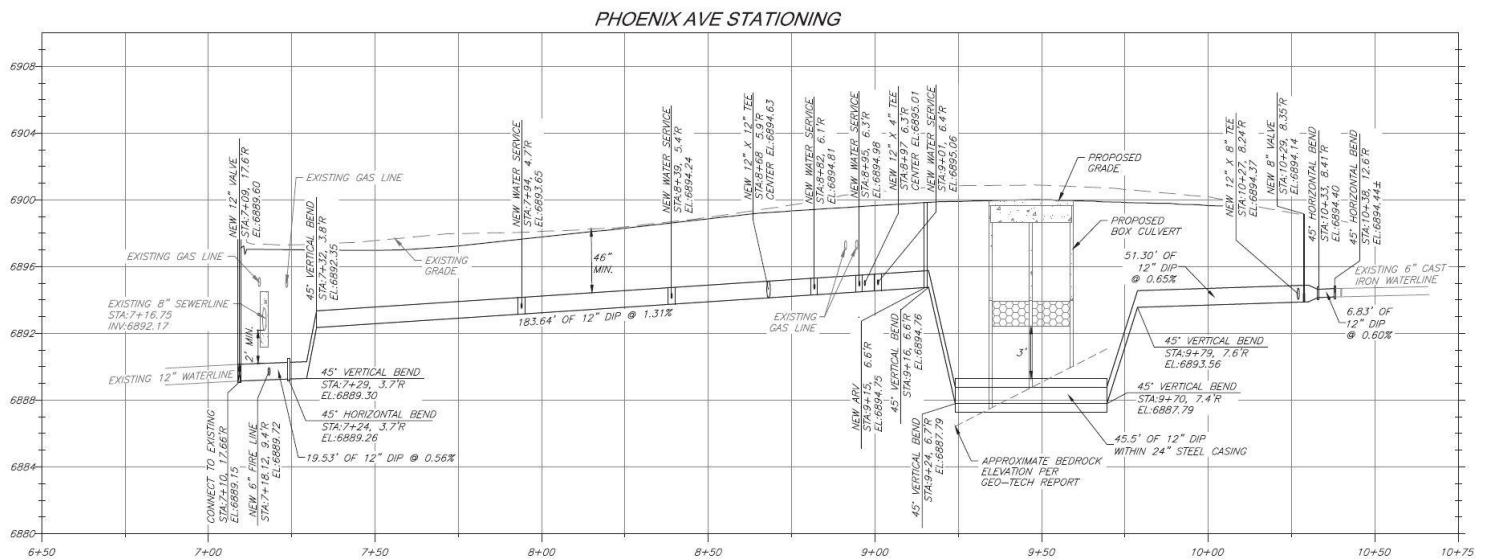
Phoenix Avenue Culvert and Waterline Replacement (DESIGN PHASE)

FUND: STORMWATER & AGING INFRASTRUCTURE

Description - The project will replace the Rio de Flag box culvert (which runs beneath Phoenix Avenue and the Zani building) with the appropriate conveyance structure and will update a 12" water main in Phoenix Avenue from Mikes Pike to Beaver Street. Phoenix Avenue will be reprofiled, roadway surface drainage issues will be addressed, edge improvements will be made as needed and the roadway will be repaved. The existing waterline in this area is over 114 years old. This project is part of the City's ongoing aging water infrastructure replacement program.

Project Update

- First review of the Civil Plans has been completed and sent back to the design engineer for revisions.
- A meeting was held in late September with city staff and the consulting Structural Engineer to discuss plans for rehabilitating the beam under Zani.
- A meeting was held in Late September with city staff and the design engineer to discuss strategy on construction logistics to mitigate impacts to businesses in the area.
- The 90% plans have been submitted for city review.
- The working schedule has bid solicitation in mid to late December 2020.
- Construction would be targeted to begin in early Spring of 2021.



Cross section of Phoenix Ave. showing new 12" DIP waterline and box culvert

Rio de Flag Flood Control Project (DESIGN PHASE)

FUND: STORMWATER & AGING INFRASTRUCTURE

Description - Design consists of channel improvements along both the Rio de Flag and Clay Avenue Wash channels, and the construction of an underground concrete confluence structure. The channelization of Clay Avenue Wash channel will begin at an upstream inlet structure transitioning into an open rectangular concrete channel and then transitioning into an underground reinforced concrete box channel ending at the confluence on Clay Avenue Wash and Rio de Flag, approximately 5,000 feet. The channelization of the Rio de Flag channel will begin at an upstream inlet structure transitioning into an underground reinforced concrete box channel with an open earthen channel above (composite channel) and then transitioning into the underground confluence structure. From the confluence structure, the Rio de Flag channel will be rerouted out of the Southside, along the BNSF railroad tracks, then transitioning into an open trapezoidal channel with riprap placed on invert and side slopes. Work includes widening and deepening by large scale excavation, grading, and compacted fill; disposal of excess excavated material; installing over 1 mile of underground reinforced concrete box channel, riprap slope protection, critical underground concrete confluence hydraulic structure, drainage culverts, many utility relocations, landscaping & mitigation planting, asphalt concrete paving, access ramps, safety railing and appurtenant work. Construction methods will include hard rock excavation during grading and utility excavation, groundwater dewatering, shoring, environmental cleanup & disposal and cut slope & trench stabilization.

Project Update :

100% plans status -Phase I & Phase II

- The City and consultant submitted for water and wastewater permits to construct through ADEQ. Review Fees for water is \$900 and wastewater is \$25,000.
- Working to complete photo simulations for the Flood Wall, Composite Channel, Open Channel (Clay Wash) and Open Channel (Lower Reach). Consultant has delivered the Flood Wall and Composite Channel and we are very pleased with the results and feel strongly that this effort will help the community better understand what the proposed improvements will look like when completed.

Property acquisition status -Phase I

- The City's consultant (Shephard Wesnitzer, Inc.) continues to work on the exhibits for property encumbrances. All the Phase I exhibits for the Lower have been completed. The Phase I exhibits for the Clay Avenue reach are nearly complete.

BNSF Issues

- City staff has made inquiries to BNSF's Property Consultant for utilities that need relocation for the project.
- Technical Team Meeting including US Army Corps of Engineers, BNSF Railway and city staff was held on October 6th.
 - COL Julie Balten indicated a deadline to be under construction by September 2021 and directed that we proceed with the Tunneling Option (In-Line Bridge was the other option requiring track windows from BNSF).
 - BNSF indicated required mitigation measures associated with property acquisition and construction to include; Tunneling operations to provide track monitoring (1/4" maximum settlement) and resurfacing equipment; One leg on Wye in operation at all times; Relocation of a spur; Adequate compensation for land; Replacement of property for lessees; Replacement of other BNSF improvements that are impacted; Construction of a new siding track (somewhere in the city limits); Land and permits for siding and future 3rd Mainline Track; Relocation of all utility

crossings and; Funded action plan by city for improvements to prevent grade crossing accidents and trespassers.

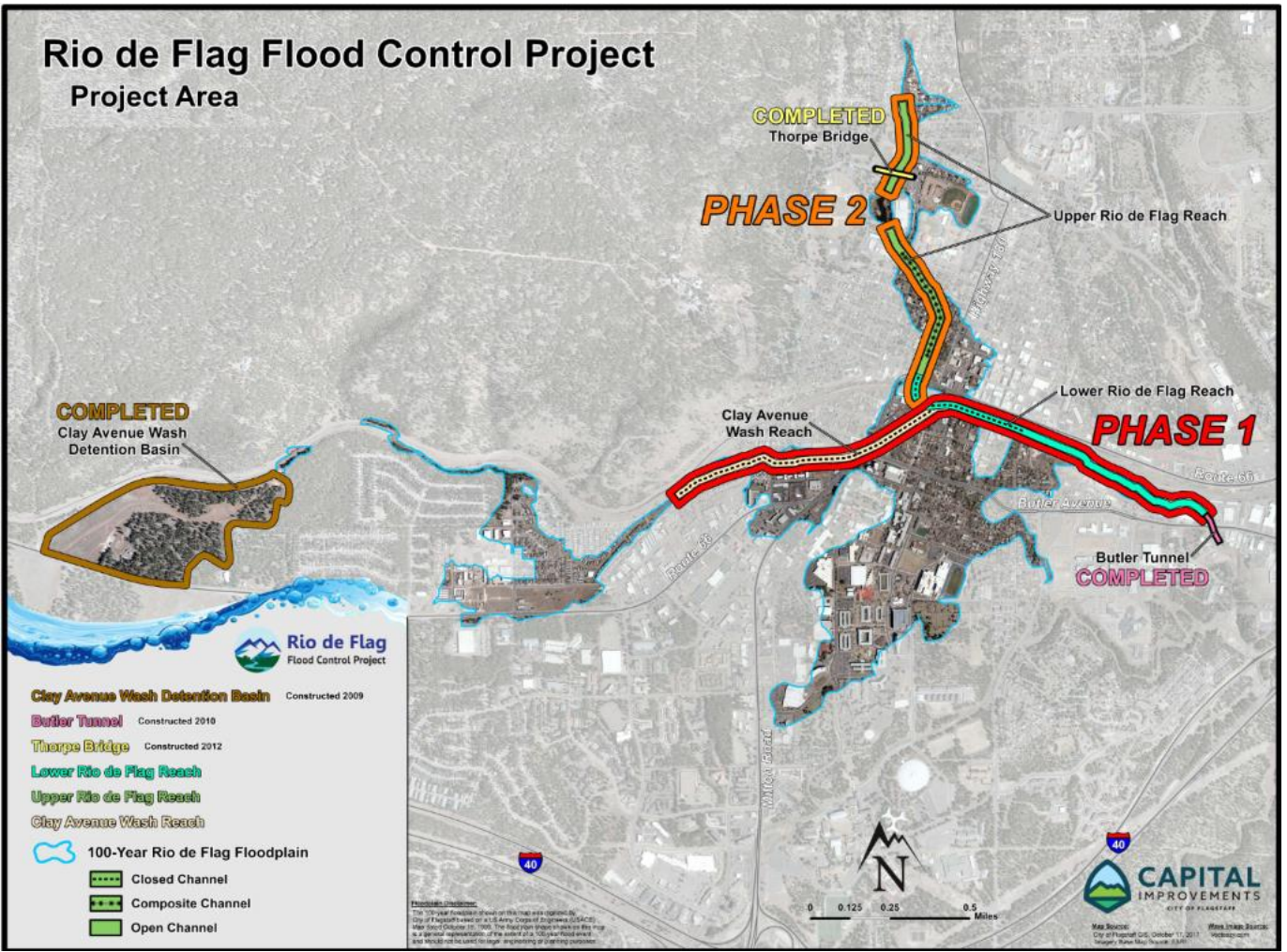
Internal & external meetings

- Staff held the weekly meetings for daily issues related to the project.
- Weekly coordination meetings with SWI are ongoing.
- Provided a Council Update on September 15th.
- Staff will be preparing for our next Council Update on October 27th.
- On October 1st, held a neighborhood meeting with residents impacted by the Flood Wall. The meeting was well attended, and residents were able to meet with our surveyors to see exactly how tall the Flood Wall will be behind their backyard fences. The meeting was well attended, we provided copies of the Flood Wall photo simulations to all in attendance and were able to directly answer many questions.



Aspen Avenue in vicinity of City Hall & Library

Rio de Flag Flood Control Project Project Area



- Rio de Flag Flood Control Project**
- Clay Avenue Wash Detention Basin** Constructed 2009
 - Butler Tunnel** Constructed 2010
 - Thorpe Bridge** Constructed 2012
 - Lower Rio de Flag Reach**
 - Upper Rio de Flag Reach**
 - Clay Avenue Wash Reach**
 - 100-Year Rio de Flag Floodplain**
 - Closed Channel**
 - Composite Channel**
 - Open Channel**