



**ENGINEERING DIVISION**  
Capital Improvements Section

**Monthly Capital Projects Report**  
**October 2021**

Honorable Mayor & Council,

Our reporting continues to include only projects that have experienced substantial progress.

The attached map is a comprehensive view of all active projects in our community, either in planning, design, or construction.

## **Active Transportation Master Plan**

On September 13, 2021, the City released the draft Active Transportation Master Plan (ATMP) for a 60-day public comment period. The ATMP will serve as a guide to enhancing walking and biking in Flagstaff. The draft document includes detailed information regarding pedestrian and bicycle accommodation and establishes a series of goals, policies, and strategies to support walking and biking.

- A community survey is available online through the Flagstaff Community Forum until November 19, 2021 to gather public comment. [Follow this link](#) to access the survey.
- A series of five community open houses are planned during the 60-day public review period to inform the public, discuss the contents of the plan and provide opportunity for community questions and feedback. Two open houses have been conducted via Zoom to date:  
Wednesday, September 29, 2021 | 6:00 - 7:00 p.m.  
Thursday, October 7, 2021 | 6:30 - 7:30 p.m.  
Recordings of the first two community open houses have been posted on the [FUTS Facebook](#) page. Three more open houses are upcoming, including one in-person meeting and two virtual:  
Saturday, October 16, 2021 | 10:00 a.m. - 12:00 noon @ Bushmaster Park  
Tuesday, October 19, 2021 | 12:00 noon - 1:00 p.m. [online via Zoom](#)  
Wednesday, October 27, 2021 | 5:30 - 6:30 p.m. [online via Zoom](#)
- Rick Barrett and Martin Ince of the Engineering Division were [interviewed by Peter Bruce on KAFF radio](#) on Tuesday, October 5, 2021.
- Staff continues to refine the 20-year program of pedestrian and bicycle projects that will be funded with the pedestrian/bicycle portion of the transportation sales tax and Mountain Line's first/last mile grant. An interactive map of planned sidewalks, bikeway, FUTS trails, enhanced crossings, and grade-separated crossings is available at [this link](#).
- The ATMP will be accompanied by a minor amendment to the Regional Plan to incorporate infrastructure maps from the ATMP and some of its general language. A draft of the minor Regional Plan amendment [can be viewed here](#).
- The 60-day public review period ends on November 19, 2021. At that time staff will compile public comment and make any changes to the plan as necessary. The final process for review and approval is scheduled for late-2021/early-2022. Final Council approval is anticipated in March of 2022.
- The [draft ATMP can be downloaded here](#). For more information, [go to the ATMP webpage](#).

## **City of Flagstaff**



## **DRAFT** **Active Transportation** **Master Plan**

## Woody Way

A citizen petition was submitted to Council for discussion on September 23, 2021 to make Woody Way a one-way street westbound, while still allowing for emergency vehicular access. Staff gave a presentation to Council explaining background of the Woody Way Gate and touched on some of the data that has been, and will be, collected. Since this issue has already been in the hands of the Transportation Commission, Council decided to not allow the FAIR item to move forward and to let the Commission make a recommendation to Council on a decision for the connector roadway.

### **Project Update:**

- The item was discussed at the Transportation Commission meeting on October 6, 2021. Staff recommended three options, while also mentioning a few other options that citizens have brought up. The three recommended options include:
  1. Leave Woody Way open
  2. Close Woody Way
  3. Make Woody Way a one-way roadway (EB or WB)
- A few other options that citizens have brought up include:
  1. Prohibit parking on both sides of Woody Way
  2. Prohibiting parking on Highland Mesa and Ax Handle
  3. Install traffic calming
  4. Making Ax Handle/University a one-way loop using diverters
- There were 19 public comments on this topic. Transportation Commission unanimously recommended that Council keep Woody Way open to two-way traffic movement and to all modes of travel, but asked that Staff come up with mitigation options for some of the concerns voiced by the Boulder Pointe neighborhood. Once staff has come up with some mitigation options, a new Council date will be scheduled and invites will, once again, be sent to both neighborhood HOA's.



Woody Way, looking west from Boulder Pointe to Presidio

## Woodland Drive Speed Concern

Citizens have concerns with speeding and parking. Concept drawings for traffic calming were put together and presented at Transportation Commission in December of 2020. Temporary traffic calming measures including candlestick traffic circles at Maricopa and Trail of the Woods and a radar feedback sign on the east end have been installed. 10/7/2021 Update: New data was collected to determine if the temp traffic calming measure have worked and the 85<sup>th</sup> percentile speed has decreased by 4 mph. The new information was presented to the Transportation Commission during the October 6<sup>th</sup> meeting and three options were given.

- Keep the design as it is in the field (2 traffic circles with a radar feedback sign) and move forward with finding funding for making the features permanent
- Make little tweaks to the temporary setup. An example is adding bump outs to the eastern calming feature in the eastbound direction. This would not need to be studied again before we move forward with finding funding for making the features permanent, but we would like to make the tweaks before the first snow to test plowing operations this winter.
- Try a whole new option. Examples include the center island medians, choker, etc. The new setup would need to be implemented before the first snow and then traffic counts would need to be taken again in the Spring.

Transportation Commission decided to have Staff make some tweaks to the design of the traffic circle at Woodland Dr. and Maricopa after hearing from the neighborhood.



## **Boulder Pointe – University Avenue Traffic Calming**

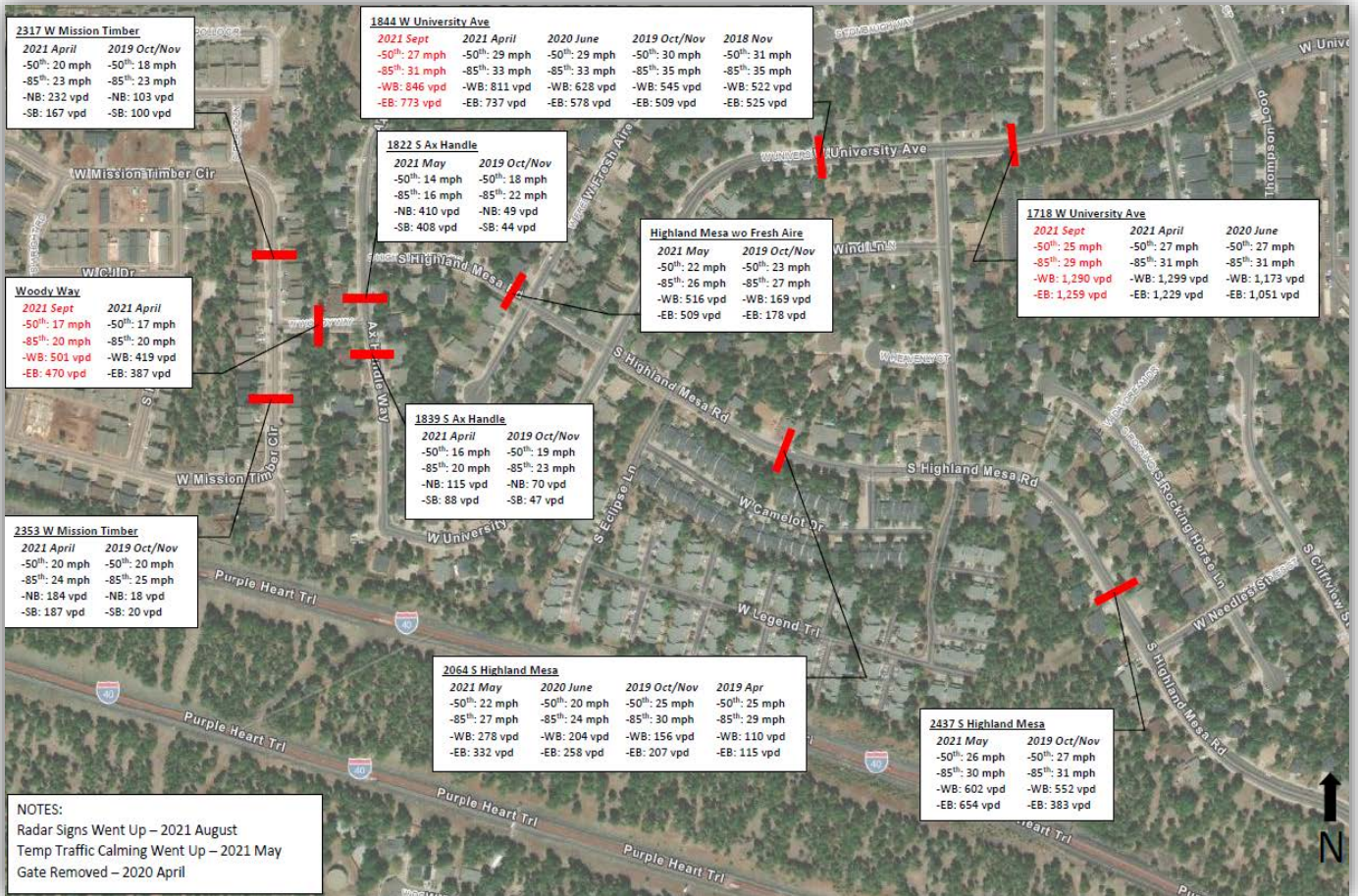
Through the removal of the Woody Way gate that once separated the neighborhoods of Presidio and Boulder Pointe, Staff discovered that speeds on University are high enough to warrant traffic calming measures. We have presented to Transportation Commission concepts for traffic calming and invited the public and HOA's for input. The outcome was to install temporary center island medians and a bump out using candlesticks, along with a radar feedback sign at each end of the straightaway on University. Public Works installed the temp traffic control along University in June 2021.

10/7/2021 Update: Traffic counts have been collected to see if the temp traffic calming measure have worked and the 85<sup>th</sup> percentile speed has decreased by 2 mph in both locations on University. The new information was presented to the Transportation Commission during the October 6<sup>th</sup> meeting and three options were suggested:

- Keep the design as it is in the field (2 center island medians and a bump out with radar feedback signs) and move forward with finding funding for making the features permanent
- Make little tweaks to the temporary setup. Examples include adding bump outs to the western calming feature, adding bike ramps, etc. This would not need to be studied again before we move forward with finding funding for making the features permanent, but we would like to make the tweaks before the first snow to test plowing operations this winter.
- Try a whole new option. Examples include traffic circles, chokers, etc. The new setup would need to be implemented before the first snow and then traffic counts would need to be taken again in the Spring.

There were five public participants that spoke to this topic. Transportation Commission asked Staff to make tweaks to the design to allow for bicycles to maneuver through the eastern calming feature, without putting them on the sidewalk for the proposed 150-ft. An idea was to acquire some ROW from the church property to the south of Tombaugh and extend the intersection south. Staff will come back to TC in December to talk about property research, layout ideas, and proposed cost.





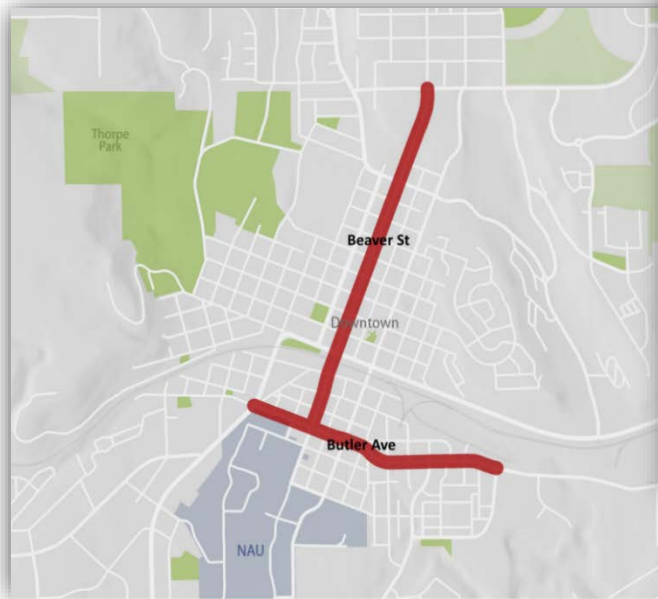
## **Protected Bike Lane Pilot Projects (Butler Avenue & Beaver Street)** (DESIGN & CONSTRUCTION PHASE)

FUND: TRANSPORTATION TAX (BICYCLE AND PEDESTRIAN PROJECTS)

**Description** – At Council’s July 6, 2021 meeting, staff was directed to pursue two pilot projects intended to enhance the safety and overall experience of the community’s cyclists in our downtown area. Depicted in the map below, Council directed staff to move forward with the concrete & candlestick treatment (see image below) on both pilot projects with a target completion by December 30, 2021. The Butler Ave pilot project’s scope consists of the approved treatment and some additional striping between Milton Rd. and Sawmill Rd., approximately 0.9 miles. The Beaver St. pilot project’s scope consists of the approved treatment, some lane obliteration and restriping, where applicable between Forest Ave. and Butler Ave., approximately 1.2 miles.

### **Project Update:**

- A Task Order for the Phase I – Butler Avenue work has been issued to Eagle Mountain Construction (EMC) in the amount of \$538,650.
- Phase II – Beaver Street plan set was sent to the contractor Wednesday, September 15<sup>th</sup> and a change order was approved to incorporate Phase II into Phase I.
- We have approved a curb design on September 15<sup>th</sup> and EMC will work with their vendor to get them started with fabrication.
- Traffic tube counts were taken week of October 4<sup>th</sup> on Butler and camera was placed on Butler October 6<sup>th</sup> to capture bike counts, then October 7<sup>th</sup> on Beaver
- EMC and its subcontractor will be obliteration of existing striping for Phase II – Beaver Street on October 14<sup>th</sup> and Phase I - Butler Avenue on October 18<sup>th</sup>.
- Pavement markings for Phase II will begin on October 15<sup>th</sup> and Phase I on October 19<sup>th</sup>.
- Curb barriers have been ordered and delivery is expected to begin the week of October 25<sup>th</sup>.
- Both Phases are expected to be complete by the end of December 2021 depending on availability of materials and subcontractors as well as favorable weather conditions.



## **Museum Fire Flood Mitigation/Division D** (DESIGN & CONSTRUCTION PHASE)

FUND: STORMWATER

**Description:** The Engineering Division is providing support to Water Services' Stormwater Section and to Coconino County's Flood Control District for emergency operations and flooding associated with the 2021 Monsoon Season.

### **Project Update:**

- Emergency Channel Widening Project at end of Paradise Road.
  - Construction began on 13 September and should be completed by mid-October.
- Providing Project Management services for the Spruce Wash Improvements (Cedar – Dortha).
- Assisting with property acquisition for Spruce Wash Channel Maintenance.
- Flood Director Assignments.
- Providing Stormwater Section Support including overflow flood mitigation, debris/sediment clean-up and development of a flood gate detail for use on properties that have perimeter sandbags to allow driveway access when flooding is not occurring.
- Performed public property damage assessment.
- Working to identify property acquisition needs along E. Appalachian Drive, E. Skyline Drive, E. Hemberg Drive, E. Matterhorn Drive and N. St. Moritz Way.



*Pre-Construction Image of Channel Widening Project at North End of Paradise Road.*



*Image Taken on 6 October During Walkthrough Meeting of Channel Widening Project.*



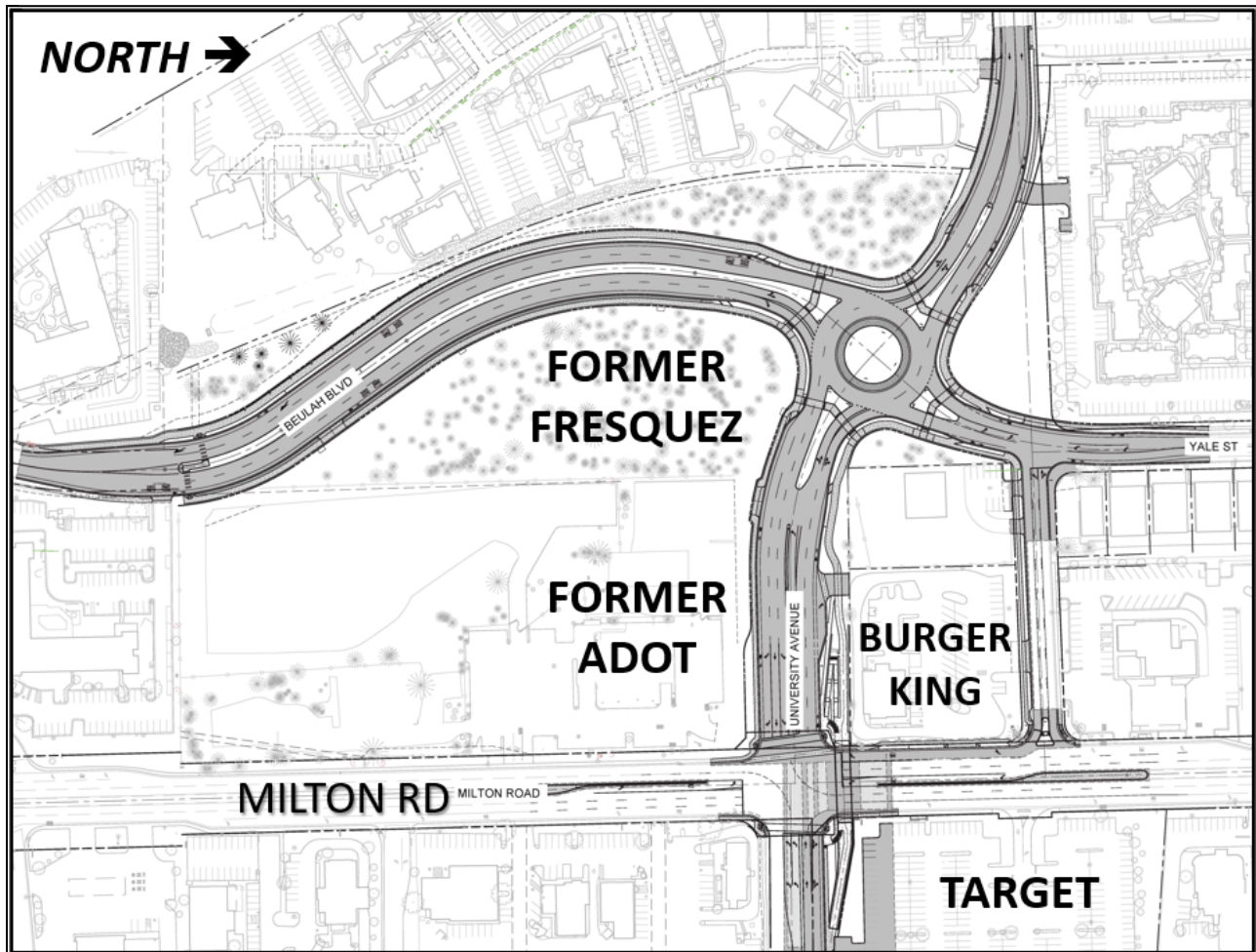
**Beulah Boulevard Extension/University Drive Realignment** (DESIGN PHASE)

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:**

- Shephard-Wesnitzer, Inc. (SWI) is the design engineer.
- Eagle Mountain Construction (EMC) is the CMAR contractor for design phase services.
- City Staff presented the Bike and Pedestrian Redesign work at the October 5th City Council Meeting.
- The Design Team now working on moving design plans toward 90% level, which is the next review stage with project stakeholders.



*Extent map of new Beulah and University Roadway Project – taken from 60% plans.*

## 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:**

- Construction costs have increased 70% in the past five years making the project, as originally scoped, unfeasible under the current Council-approved lease agreement.
- City Staff met with GSA Staff in mid-September to review the cost estimates and discussed potential options.
- City Staff is finalizing a memo to update the team and City leadership on where the project stands and options moving forward.



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

## **Coconino Estates Improvements Phase II** (CONSTRUCTION PHASE)

FUND: ROAD REPAIR & STREET SAFETY & AGING WATER AND SEWER INFRASTRUCTURE REPLACEMENT PROGRAMS

**Description** - This is a utility and roadway improvements project located on several streets in the Coconino Estates neighborhood as seen in the map below. Improvements on the streets generally consist of replacing all existing utility and roadway infrastructure. The utility improvements include replacing the existing water and sewer mains, water and sewer services, fire hydrants, and manholes. The roadway improvements include replacing the existing asphalt roadway, replacing rolled curb with vertical curb, constructing driveway ramps at driveway entrances, and replacing select sidewalk only where it currently exists on Crescent Drive. Sidewalk will NOT be installed where it does not currently exist. For additional information visit the Project website at [www.coconinoestates.com](http://www.coconinoestates.com)

**Contractor** - Standard Construction Company

### **Project Update:**

#### **Crescent Drive (Construction Zone #1)**

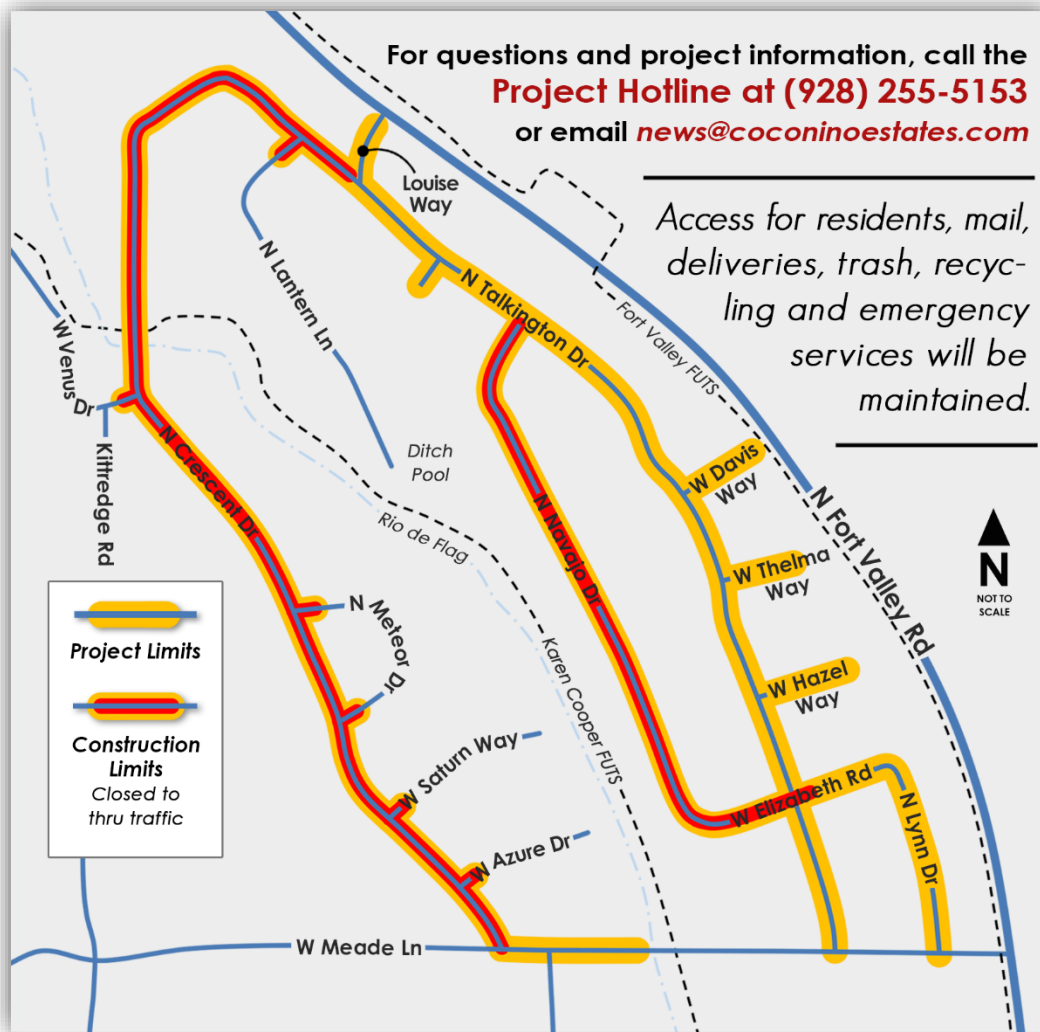
- Crescent sewer installations south of the Rio de Flag were completed the week of 9/13/2021.
- New sewer main installations connecting the Crescent and Rio de Flag sewer mains, in order to abandon the existing sewer main between Crescent and Lantern, were completed the week of 9/27/2021.
- Sewer main installations will continue on Crescent north of the Rio de Flag to the Talkington corner.
- Crescent will be closed to through traffic from Meade to the Talkington/Louise intersection, with detours posted around the closure for non-residential traffic.

#### **Navajo Drive (Construction Zone #1)**

- Sewer installations will begin on Navajo and Elizabeth west of Talkington the week of 10/11/2021.
- Navajo will be closed to through traffic from the Elizabeth/Talkington intersection to Talkington.



*Crescent Dr. and Rio de Flag, looking north at the new sewer main installations connecting Crescent and Rio de Flag sewer mains.*



Coconino Estates Improvements Phase II Project Map

## **West Flag Improvements - David & Hutcheson** (CONSTRUCTION PHASE)

FUND: ROAD REPAIR & STREET SAFETY

**Description** - This is a utility and roadway improvements project located on David Drive and Hutcheson Drive as seen in the map below. The Project originally included Canyon Terrace and was bid as one project in the spring of 2020 but was pulled at the end of the bidding process given the economic and funding source uncertainties due to the COVID 19 Pandemic. It was decided to split the Project into two separate projects consisting of 1. David/Hutcheson and 2. Canyon Terrace. Improvements on the streets generally consist of replacing all existing utility and roadway infrastructure. The utility improvements include replacing the existing water and sewer mains (except for on David Drive), water and sewer services, fire hydrants, and manholes. The roadway improvements include replacing the existing asphalt roadway, replacing rolled curb with vertical curb on David Drive, and replacing select edge improvements (sidewalk, curb, and gutter). For additional information visit the Project website at [www.Flagstaff.az.gov/westflagimprovements](http://www.Flagstaff.az.gov/westflagimprovements).

**Contractor** - Mountain High Excavating

### **Project Update:**

- Water main and water/sewer service installations are complete on David, testing and connections remain.
- Concrete curb, driveway, and sidewalk installations continue on David working north from William.
- Storm drain improvements continue on David.
- Sewer main installations on Hutcheson are complete.
- Water main and the Unisource gas main relocation were completed on Hutcheson the week of 9/13/2021.
- Water services, gas services, and sewer service installations will continue on Hutcheson.
- David and Hutcheson will be closed to thru traffic from William to Fine, with detours posted around the closure.



*David Dr., looking north at storm drain installations*



## **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 to 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, streetlights, the entire asphalt roadway, 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. For additional information visit the Project website at [www.coconinoestates.com](http://www.coconinoestates.com).

**Contractor** - Eagle Mountain Construction

### **Project Update:**

A new way of communicating project information has just been started with the recent installation of a new project sign and banner prototype that include a QR code for the public to scan and view more information on the Project website.

### **Navajo Road (Construction Zone #1)**

- Majority of improvements are complete.
- Final signage remains.
- Navajo is open to all traffic; however, temporary shoulder closures may occur as the remaining items of work occur.

### **Navajo Drive south of Beal (Construction Zone #2)**

- Majority of improvements are complete.
- Final signage, landscape restorations, and various Punchlist Items remain.
- Navajo from Hopi to Whipple is closed to thru traffic, with detours posted around the closure.

### **Beal Road (Construction Zone #3)**

- Utility improvements are complete on Beal from the Rio de Flag to Fort Valley.
- Beal was paved from the Rio de Flag to Fort Valley the week of 9/6/2021.
- Utility adjustment were completed on Beal from the Rio de Flag to Fort Valley the week of 9/13/2021.
- Final concrete sidewalk and driveway installations continue on Beal from Navajo to Fort Valley.
- Landscape installations continue on Beal from the Rio de Flag to Fort Valley.
- Water installations from Aztec to the Rio de Flag were completed the week of 9/27/2021
- Construction activities on Beal, west of the Rio de Flag, will pause for the winter and will shift focus onto Navajo Drive north of Beal.
- Beal is closed to thru traffic from Aztec to Fort Valley, with detours posted around the closure.

### **Navajo Drive north of Beal (Construction Zone #3)**

- Crews will begin saw cutting the roadway from Beal to Whipple in advance of sewer installation.
- Navajo from Hopi to Whipple is closed to thru traffic, with detours posted around the closure.

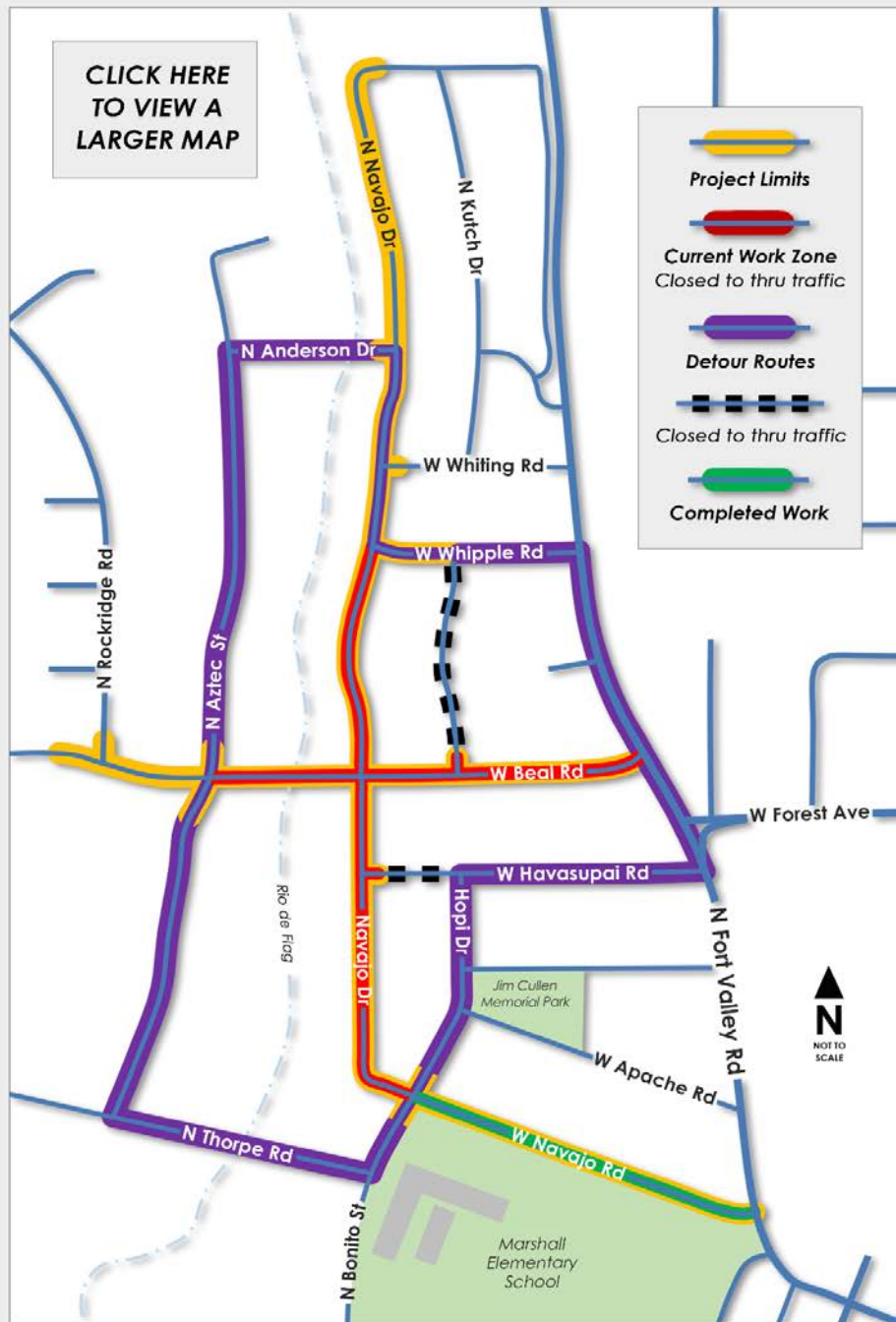


*Beal Rd. west of McMillian Rd., looking east at final concrete and landscape restoration operations.*



*Beal Rd. west of Rio de Flag, looking west at water main and service installations.*

CLICK HERE  
TO VIEW A  
LARGER MAP



For general questions  
and project  
information, call the  
**Project Hotline at**  
**(928) 255-5153**  
or email  
[news@coconinoestates.com](mailto:news@coconinoestates.com)



Residential access for mail, deliveries, trash,  
recycling, and emergency services will be  
maintained. No Mountain Line bus routes  
are affected during this time.

Current road closures and detours.

## **Fourth Street Reconstruction** (CONSTRUCTION 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 12" water main and new 8" water main, curb and gutter and new sidewalk. The reconstruction work will connect with the recently completed bridge replacement project.

### **Project Update:**

- Issues with software and hardware components of the traffic signals were preventing signal operation optimization. Streets crews rectified the situation and signals are now working in normal operational modes.
- We are waiting on the arrival and installation of streetlights and street signs. Supply chain issues continue to slow completion of the project.
- Traffic control was removed on Friday, Sept. 10<sup>th</sup>, however the project is not fully complete and some impacts to traffic are expected over the next few weeks.
- Final striping, pavement markings, were installed on Sept 28-30<sup>th</sup>.
- Punchlist items are generally complete, except for survey, signals, and streetlights.
- Street names signs scheduled for installation during first week of October.
- **All items should be complete, and project finalized by mid-October.**



*Fourth Street Reconstruction –Initial Striping installed*

## **Flagstaff Downtown Mile Project** (PLANNING AND DESIGN PHASE)

FUND: TRANSPORTATION, STORMWATER, AGING INFRASTRUCTURE, BNSF RAILWAY, METROPLAN, GRANTS

**Description** - The Downtown Mile Project consists of a group of City and local agency projects located in Downtown Flagstaff and surrounding the BNSF Railway corridor. They include:

- The Rio de Flag Flood Control Project
- The Rio de Flag Pedestrian Tunnel
- The Lone Tree Overpass
- The Florence to Walnut Pedestrian Underpass
- The Mountain Line Downtown Connection Center (DCC)
- The Milton Bridge Reconstruction



The City has partnered with ADOT, BNSF Railway, Mountain Line, Amtrak, and the Army Corps of Engineers for the overall Downtown Mile Project in order to coordinate existing funding, plan construction efficiencies surrounding the BNSF corridor, investigate multimodal connectivity, and to seek grant funding for unfunded

BNSF mitigation measures to deliver these projects for the Flagstaff community. The City applied for a USDOT RAISE Planning Grant in July 2021 to fund these planning activities and the award notice is anticipated for November 2021. We are seeking \$1,980,000 in RAISE federal dollars and our matching funds will be \$1,080,000 from the City and MetroPlan, and \$100,000 from BNSF for a total budget of \$3,160,000 which will supplement existing local project funding.

The current updates for the projects included in the Downtown Mile are as follows:

### **Rio de Flag Flood Control Project** (Design Phase)

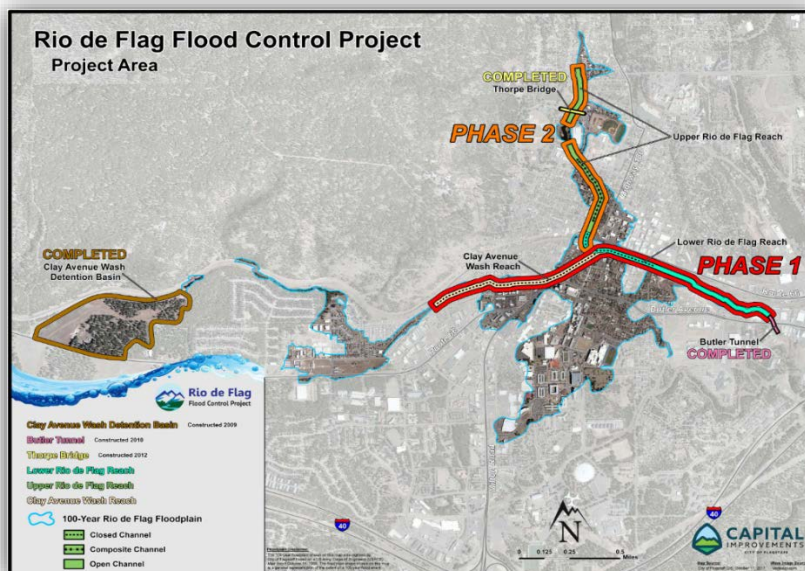
FUND: STORMWATER & AGING INFRASTRUCTURE

**Description** - Design consists of channel improvements along both the Rio de Flag and Clay Avenue Wash channels through central Flagstaff and includes a combination of underground concrete box culverts, open channel, and composite channel. The composite channel section has both an underground culvert to carry large volumes of water and a smaller open channel on top, which will provide an aesthetic element of flowing surface water during rainfall events. Total project length is approximately 15,000 feet.

The purpose of the Rio de Flag Flood Control Project is to remove the hazards associated with the hundred-year storm event, which include property damage, life safety concerns, and community economic impacts. From research conducted by the Army Corps, it was determined that a significant flood would damage approximately 1,500 structures valued at over \$916M and cause \$93M in economic damages, for a total impact of over \$1 Billion dollars.

#### **Project Update:**

- Work continued this month on refinement of the design plans and development of the real estate documents.
- Rio de Flag and Mountain Line DCC coordination meetings were held on September 8 and 15. Discussion items included ParkFlag lot parking and site plan coordination with the Rio de Flag design plans.
- On October 5, the City and Army Corps Rio de Flag team held an all-day meeting to review the status, schedule, and action items for the real estate acquisition.
- On October 6, an executive meeting was held between the City, Army Corps, BNSF, and Senator Kelly's office to discuss the project status and expediting the Construction and Maintenance Agreement between the City and BNSF for the Lower Reach portion of the project. Action items included reporting out on the RAISE grant award in November and the Milton Bridge concept design review meeting, which will be held October 13. The group set a tentative date for our next meeting in November/December 2021.



## **Rio de Flag Pedestrian Tunnel** (Design Phase)

FUND: STORMWATER & AGING INFRASTRUCTURE

**Description** - The Rio de Flag Pedestrian Tunnel will be constructed along with the flood control channel improvements under the BNSF corridor. The undercrossing will also be constructed under the ADOT Route 66 corridor. This will be a FUTS facility which will link north downtown and City Hall with the Southside neighborhood and the future Mountain Line DCC. Project progress will be reported in the Rio de Flag Flood Control Project item above.

## **Lone Tree Overpass Project** (DESIGN PHASE)

FUND: TRANSPORTATION

**Description** - The Lone Tree Overpass Project will provide a grade-separated crossing over the future Rio de Flag drainage and the BNSF Railway corridor from Butler Avenue to Route 66. Funding for this project is provided through voter approved bonds as designated in the 2018 Proposition 420. The project will also include improvements from Butler south to Sawmill Road, which will be funded by Proposition 419. The project will be delivered via the Design-Build process and the team includes Ames as the contractor and WSP as the prime design consultant.

### **Project Update:**

- On September 9, the project team met with BNSF Railway to discuss the relocation on the rail corridor for the bridge construction. We have established a preferred alternative which is now under review with BNSF Engineering and Operations staff.
- On September 30, the first public meeting was held for the project. This was a virtual meeting and approximately 35 individuals joined in the discussion. Comments included questions on roadway access for the industrial neighborhood, intersection design, bike and pedestrian facilities, and road speeds.
- Property acquisition is proceeding with appraisals, relocations, and offers to property owners. On October 5, Council approved relocation activities for property acquisition.
- The review of the Traffic Impact Analysis (TIA) is still underway with ADOT with comments anticipated by the week of October 11.
- On October 5, the project Draft Design Report was submitted to City staff for review and comment.



### **Florence to Walnut Pedestrian Tunnel** (Design Phase)

FUND: TRANSPORTATION

**Description - Design** consists of a FUTS undercrossing of the BNSF corridor that will link Walnut Street and Florence Street in the La Plaza Vieja neighborhood. This project is in the approved La Plaza Vieja Neighborhood Specific Plan and is designed and funded. Upon investigation of the final rail relocation, the design will most likely need to be modified.

### **Milton Bridge Reconstruction** (Planning Phase)

FUND: STORMWATER, AGING INFRASTRUCTURE, AND TRANSPORTATION

**Description** - The City is currently investigating reconstruction of the existing Milton Bridge structure to accommodate a third mainline track for BNSF and to provide a standard bridge clearance. The current clearance is 13'9" and the standard height is 16'6". The realignment and reconstruction will allow the City to construct the structures for both the Florence to Walnut pedestrian undercrossing and the Rio de Flag flood way and pedestrian tunnel while minimizing operational impacts and construction risk to the BNSF mainline. A minimum of two active tracks are required to be maintained for BNSF operations.

#### **Project Update:**

- roadway. Phase I of the bridge reconstruction concept study is under review with the City and partner agencies. Phase I investigated basic feasibility of reconstructing the BNSF rail and ADOT Milton
- On October 13, the City, BNSF, ADOT, Amtrak, and Mountain Line will meet to review the findings of the Phase I study and give notice to proceed for Phase II of the study, which will provide refined design to 30%, cost estimating, construction phasing, and utility relocation.

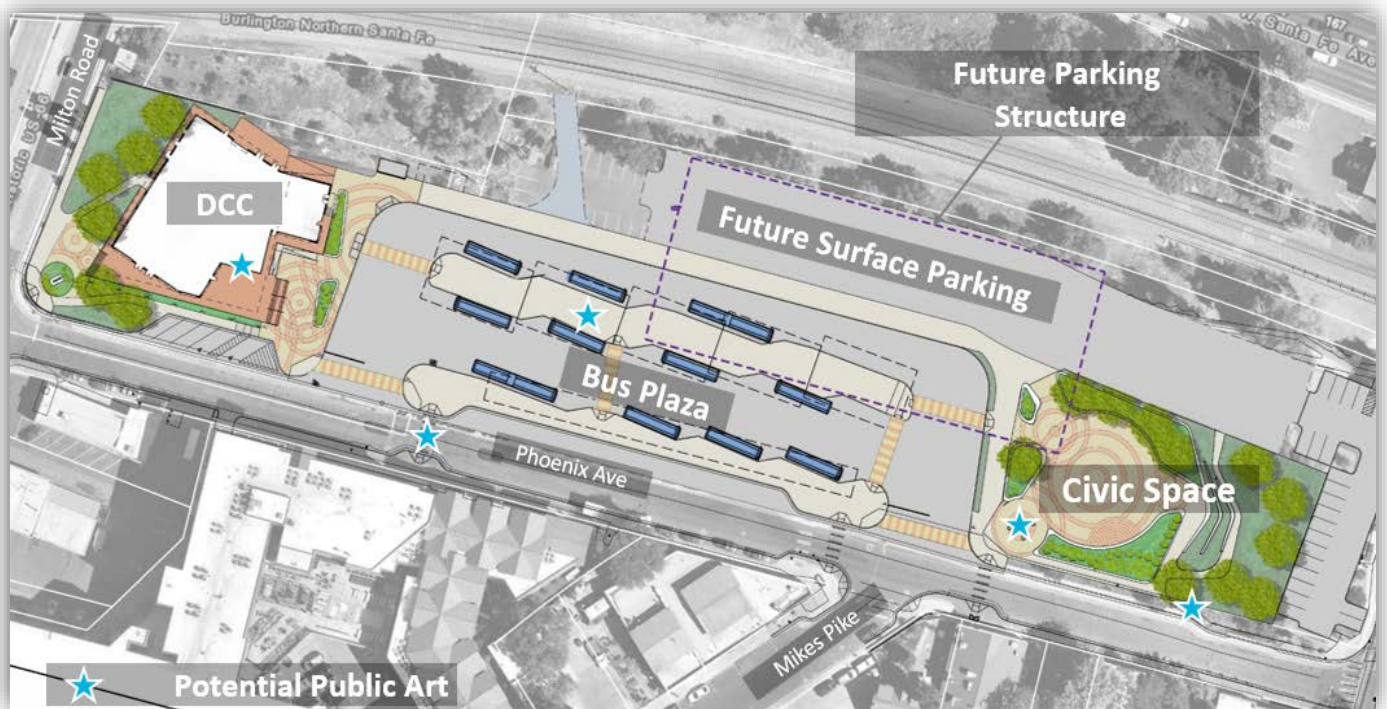
## **Mountain Line Downtown Connection Center** (Design Phase)

FUND: GRANT

**Description** - The Downtown Connection Center is included in the Downtown Mile project report due to the City's partnership with Mountain Line for developing the site and the opportunity to plan the facility with multimodal connections with the rest of the Downtown Mile projects. There are also current discussions for future co-location of the Amtrak Station.

### **Project Update:**

- Rio de Flag and Mountain Line DCC coordination meetings were held on September 8 and 15. Discussion items included surface lot parking and site plan coordination with the Rio de Flag design plans.
- Mountain Line and Amtrak representatives will attend the October 13 meeting to review the findings of the Milton Bridge Phase I study.



## **Old Municipal Court Demolition and Temporary Parking Lot** (Construction Phase)

FUND: COURT USER FEES AND BOND FUNDS

**Description** - The old Municipal Court Facility and Prosecutor's buildings located at 15 N. Beaver Street are slated for demolition and the parcel will be improved to provide temporary public parking. These parcels will be considered for future development, with input from the Downtown Visioning Plan that is underway.

### **Project Update:**

- The City has relocated the CenturyLink/Lumen utility line from the exterior of the Court Building so demolition can occur.
- The site will be prepped the week of October 11 and demolition will proceed the week of October 18.
- After demolition, concrete sidewalk will be installed and the site will be graded for asphalt paving, which is anticipated the week of November 8.
- ParkFlag will manage the future parking stalls on the new lot for public parking.



*Old Municipal Court Building*

## **Library Entrance** (DESIGN PHASE)

FUND: BBB - BEAUTIFICATION

**Description** – Project to bring Library Entrance into ADA compliance with new handicap ramp and new overall vision for the entrance. Public art will be incorporated into project and an artist is being brought onto the design team. Project includes upgrades to landscaping, handicap-accessible parking, parking lot, and hardscape.

### **Project Update :**

- The project team, working with the artist, fabricator, and Risk Management, has addressed the safety concerns brought up at City Council.
- The project team will continue work on project phasing details and maintaining access to the Library throughout construction.
- The project is approaching 90% design completion.
- Project is incorporating IT Fiber conduits to support the Broadband Master Plan and future connections.
- Construction plans should be submitted for review in October.



*Library Entrance Project-Rendering of selected concept plan*

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

FUND: AGING INFRASTRUCTURE

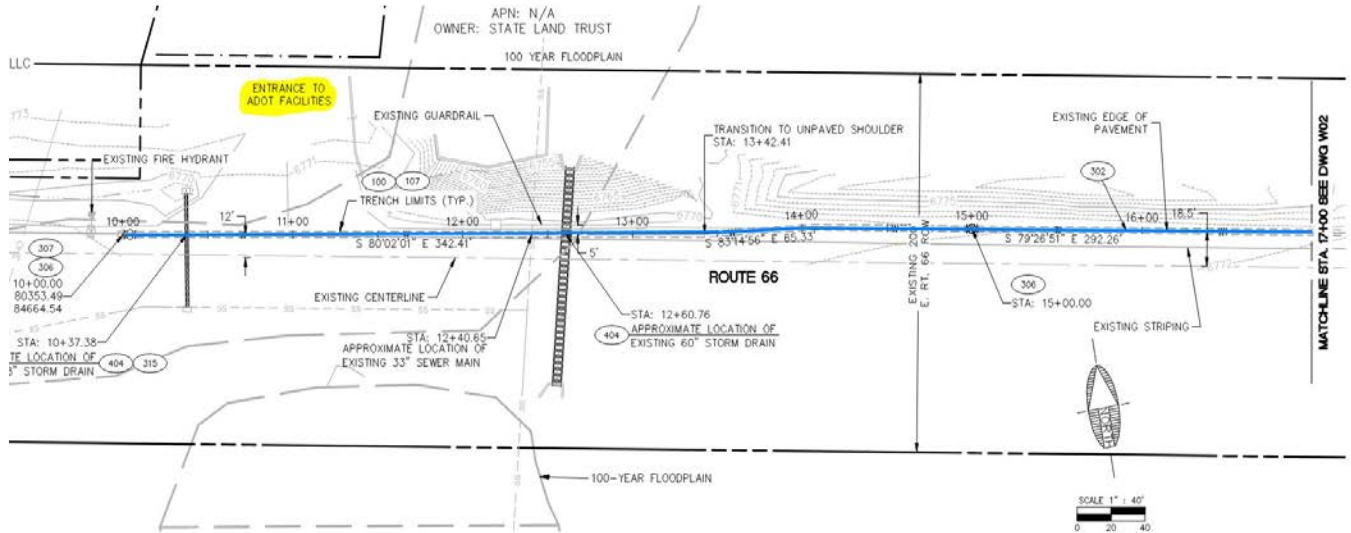
**Description** – A utility improvements project that extends the 12” ductile iron waterline approximately 2,450 linear feet from approximately the intersection of Test Dr. and Rt. 66 to the intersection of El Paso Flagstaff Rd. The waterline extension continues north, up El Paso Flagstaff Road towards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

**Contractor** – Scholz Contracting, LLC

### **Project Update:**

- The construction contract was awarded at the October 5<sup>th</sup> Council meeting, and Scholz Contracting has been notified of the award.
- The project has been added to the working calendar for an October 5, 2021 award of a contract to construct.
- The contractor with the apparent low bid is Scholz Contracting out of Mesa AZ.
- Due to material shortages and supply delays, the project is expected to start in Spring of 2022 with expected completion in Summer of 2022.

*Current civil plan set in review, blue line represents the starting point of the waterline extension that begins just west of the ADOT facilities driveway and Rt 66 intersection.*



## **Huntington Waterline Replacement** (CONSTRUCTION PHASE)

FUND: AGING INFRASTRUCTURE

**Description** - The Project consists of installing 3,000 LF of new 16" ductile iron waterline, 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.

**Contractor** - Sellers and Sons, Inc.

### **Project Update:**

- Project work has started, the awarded contractor, Sellers and Sons, has mobilized equipment and materials to the site. Potholing investigative work and clearing of the site has begun.
- The contractor has installed 1,250 LF of 16" DIP water line.
- Coordination continues with property owners for removal of materials and to begin allowing access for project work.
- For the week of October 4<sup>th</sup>, night work has been approved for the project work that takes place in Ponderosa Parkway.
- Completion of the project is anticipated by spring 2022.



*Installation of the 16" waterline*

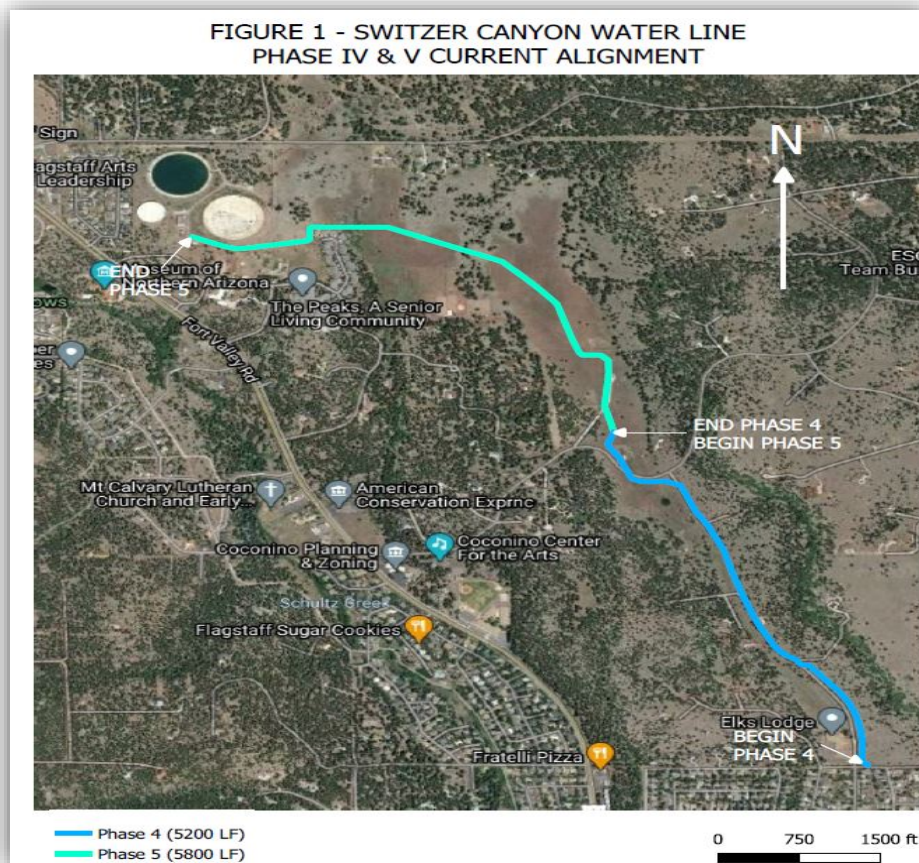
## Switzer Canyon Transmission Main Phase IV & V (DESIGN PHASE)

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:**

- Property acquisition is in progress with preliminary legal descriptions, environmental clearances, and site assessments. The next step is to research the appraisal process for acquisition.
- Phase IV is in the 95% design stage for improvements.
- Phase V is in the planning phase to define the final alignment.
- Construction of Phase IV is anticipated for spring of 2022
- Construction of Phase V is anticipated for 2023
- Comments on the 95% level plans for Phase IV were transmitted to Turner Engineering for their action. Final construction plans for Phase IV are expected fall 2021.
- Staff continues to research and coordinate the out of City water services and how it will be applied to the Switzer Canyon Transmission Main Project Phase IV and V.
- Property acquisition is in the beginning stages, starting with preliminary documents related to the appraisal process.



## **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 :**

- The project reached substantial completion on August 31<sup>st</sup>.
- Project continues to work on remaining punch-list items and hopes to reach final acceptance shortly.
- **Project is expected to be finalized in October.**



*Summit Waterline Project-New striping on Santa Fe Ave installed by Streets*

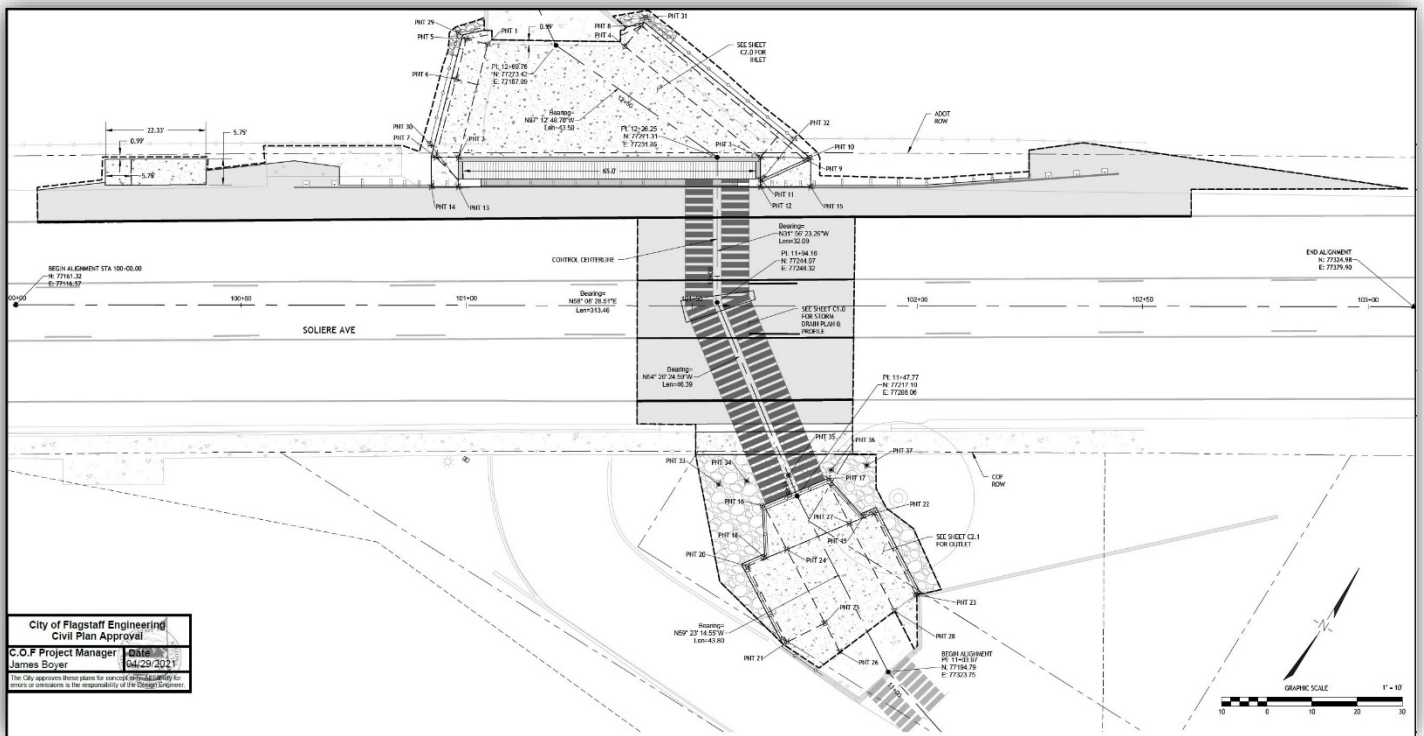
# Steves Boulevard Wash at Soliere (DESIGN PHASE)

FUND: STORMWATER

**Description** – This is a stormwater improvements project to eliminate the low water crossing from Steves Boulevard Wash at Soliere Avenue.

### Project Update :

- One JOC bid was received and was significantly over budget. The project will be readvertised for hard bids in October with the intention to start construction in late winter of 2022.
- ADOT has endorsed the design for the portion of the improvements that are within their right-of-way.
- NAIPTA has been coordinated with to relocate the existing bus stop in conflict with the new guardrail on the north side of Soliere Ave.
- The Summit Apartments that border the project limits and are just downstream have been notified of the project and the intent of the improvements.



*Final Approved Construction Plans*

## **Route 66 ADOT Bridge Replacement Project** (CONSTRUCTION PHASE)

FUND: ARIZONA DEPARTMENT OF TRANSPORTATION

**Description** – Project consists of removing the existing concrete bridge that crosses the Rio de Flag channel and replacing with a precast box girder bridge with precast abutments. Included with the project are roadway approach slabs on either side of the new bridge, channel improvements with bank protection and revegetation mitigation measures. The purpose is to provide a new Route 66 bridge crossing at the Rio de Flag to serve Route 66/Milton.

### **Project Update:**

- The ADOT contractor, FNF Construction, is contracted to complete the work by October 2021.
- Contractor has completed the concrete surface improvements within the bridge and Rt. 66 limits.
- The overexcavation beneath the new bridge is on hold until specifics related to the wall stabilization process is worked out. Coordination continues with a subcontractor to address the wall stabilization.
- ADOT continues to update City staff on construction matters and will release information to the public through media releases.
- The restoration of the City Hall lawn, including turf placement and irrigation repairs will be completed in the spring of 2022.
- The project work for cleanup and removal of obstructions continue.
- The contractor has cleared all lane closures, no restrictions are in place. When work continues, implementation of lane closures for EB or WB Route 66 will continue until work on the bridge is completed. ADOT will be monitoring the traffic and will make alterations as needed.



*Bridge structure with new paint*

## **Phoenix Avenue Bridge and Waterline Replacement** (Construction 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, and functions as the Phoenix Ave bridge) with the appropriate conveyance structure and will upsize the current waterline to a 12" waterline in Phoenix Avenue from Mikes Pike to Beaver Street. Phoenix Avenue will be reprofiled and lowered to achieve a standard street section, 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:**

- Both North and Southside sidewalks are anticipated to be open within the first week of November with the goal to move the Zani business back into their building by November 15<sup>th</sup>.
- Bridge footings, walls and deck are anticipated to be complete by October 29<sup>th</sup>.
- Rebar placement for the new bridge will begin on October 8<sup>th</sup> with an anticipated first concrete pour on October 11<sup>th</sup>.
- Our Geotechnical Engineer made a site visit on October 5<sup>th</sup> for a visual inspection of the bedrock and has approved it for bearing capacity for the new bridge footings.
- Demolition of the old bridge structure and excavation to bedrock for the new bridge footings was completed on October 4<sup>th</sup>
- UniSource's existing gas main in Phoenix Avenue was found to be too shallow and in conflict with the new waterline on September 29<sup>th</sup>. A significant relocation of that main has begun and will take approximately three weeks.
- Demolition of the Phoenix Avenue Bridge started on September 15<sup>th</sup> after the approval of the temporary shoring for the Zani Beam
- Temporary shoring for the Zani Beam was constructed, inspected, and approved on September 14<sup>th</sup>
- Geotech coring to assess subgrade conditions for the new footings occurred on August 5<sup>th</sup> and 6<sup>th</sup>
- The gas line was removed from the bridge on August 4<sup>th</sup>
- Traffic control closing Phoenix Avenue was setup August 2<sup>nd</sup>
- Franchise utility relocates started August 2<sup>nd</sup>
- A Notice to Proceed was issued for August 2<sup>nd</sup>, project duration is estimated at 4 months and should be substantially complete by end of November 2021.
- City Council approved the award of contract to Jud Co. LLC on June 15.



*Phoenix Avenue Bridge, looking south at completed demolition and start of soil excavation to bedrock*



*Inspection of temporary shoring for the Zani Beam*



*Phoenix Avenue Bridge, looking west at demolition of the existing bridge structure*

## **Wildcat Hill Wastewater Treatment Plant (WHWTP) Digester Complex** (DESIGN PHASE)

FUND: WATER SERVICES-SEWER

**Description** – Project includes the design and construction of two 60-ft concrete anaerobic digesters with a digester control building and gas handling system. The digester control building would include new boilers, heat exchangers, digested sludge pumps, and other appurtenances to support the increased capacity of the new digester facilities. The Wildcat Hill WTP treats residual solids from both the Rio De Flag and Wildcat facilities. These new digesters will increase solids treatment train capacity to accommodate the solids produced from the treatment at both facilities.

### **Project Update:**

- Design contract negotiations are anticipated to occur in December with the goal to bring the design contract for award to Council in January of 2022.
- The Statement of Qualifications (SOQs) for design have been reviewed and Purchasing has scheduled a meeting with the SOQ review team to discuss results on October 21<sup>st</sup>. Interviews for the Design Consultants are anticipated for November.
- Delivery method will be Design-Bid-Build.
- Design is targeted for 2022 and construction is anticipated for 2023-2024.



*Existing Wildcat Plant, red circles represent proposed location of the two new digesters*

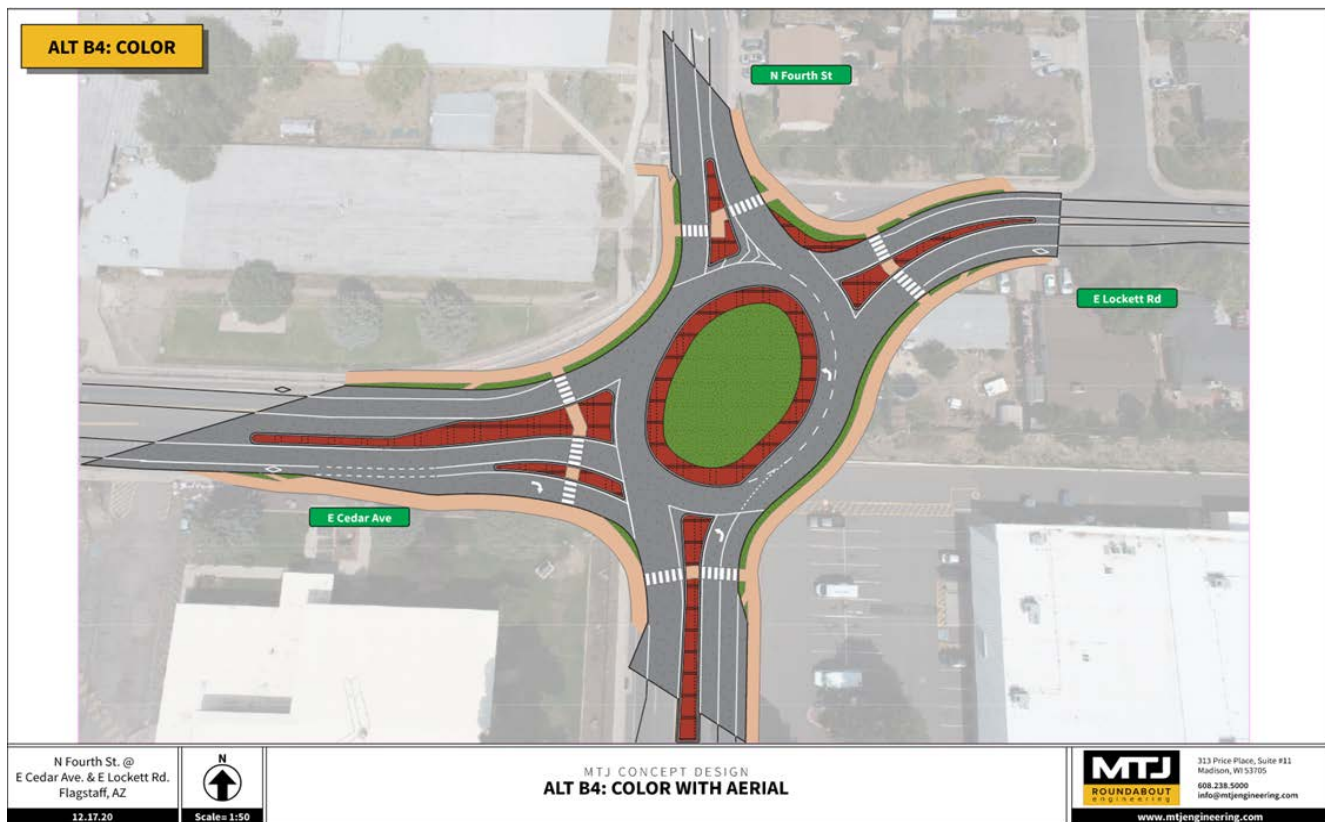
## **Lockett/Fourth Roundabout** (DESIGN PHASE)

FUND: HSIP GRANT

**Description** – Project consists of the design and construction of a new roundabout at the Lockett-Cedar-Fourth Street intersection. Project is funded by an HSIP Grant, with supplementary funding from City of Flagstaff. Project design and construction to be administered by ADOT. The new roundabout will improve safety and operations for vehicles, pedestrians and bicyclists in this busy intersection. Project design and construction to be administered by ADOT.

### **Project Update:**

- The project team has completed reviewing a pre-60% plan submittal.
- Environmental clearance has been received, allowing geotechnical work to proceed and the project to continue towards 60% design.
- Project team is in discussions regarding allowable closures and maintenance of traffic options.
- The project is expected to reach 60% design, an important milestone, in October.



*Selected Design Alternative- Lockett-Cedar-Fourth Intersection*