

## **NOTICE AND AGENDA**

SUSTAINABILITY COMMISSION

THURSDAY  
DATE

HYBRID MEETING  
STAFF CONFERENCE ROOM  
AND MICROSOFT TEAMS  
211 WEST ASPEN AVENUE  
4:30 P.M.

**Vision:** The City of Flagstaff is a culture and community that thrives in response to the Climate Crisis.

**Mission:** To advise Sustainability Division Staff on matters related to climate and sustainability, support community projects through Neighborhood Sustainability Grants, and provide feedback to the City Council on sustainability issues.

Members of the public may join the meeting online, via Microsoft Teams.

- Click on this link to join the meeting, at 4:30 pm on 5/25/23:
- [Join Microsoft Teams Meeting](#)
- To comment on a discussion item, please use the Teams Chat function: simply type in 'public comment' to indicate to the Chair that you would like to comment. The Chair will then recognize you when it is time for public comment, and staff will unmute your microphone if needed.
- Public comments may be sent in advance of the meeting to Nicole Antonopoulos at [Nicole.Antonopoulos@flagstaffaz.gov](mailto:Nicole.Antonopoulos@flagstaffaz.gov). Public comments should be limited to three minutes of reading time.

1. **Call to Order**

2. **ROLL CALL**

*NOTE: One or more Commissioner may be in attendance through other technological means.*

Chair Kevin White  
Commissioner Priscilla Boateng  
Commissioner Kristen Konkell  
Commissioner Molly McCormick

Commissioner Mary Ellen Metzger  
Commissioner Dorcas Naa Aku Skika Quarshie  
Commissioner Amy Wolkowinsky

3. **Land Acknowledgment**

The Sustainability Commission humbly acknowledges the ancestral homelands of this area's Indigenous nations and original stewards. These lands, still inhabited by Native descendants, border mountains sacred to Indigenous peoples. We honor them, their legacies, their traditions, and their continued contributions. We celebrate their past, present, and future generations who will forever know this place as home.

4. **Public Comment**

At this time, any member of the public may address the Commission on any subject within their jurisdiction that is not scheduled before the Commission on that day. Due to Open Meeting Laws, the Commission cannot discuss or act on items presented during this portion of the agenda. To address the Commission on an item that is on the agenda, please use the Teams Chat function: simply type in "public comment" to indicate to the Chair that you would like to comment. The Chair will then recognize you when it is time for public comment, and staff will unmute your microphone if needed.

5. **Approval of Minutes (5 minutes)**

6. **Business**

- a. Sustainability Division Updates (5 minutes)  
Jenny Niemann, Climate Action Section Director  
Requested Action: Informational
- b. Butler & Fourth Avenue Transportation Project Presentation + Q&A (up to 60 minutes)  
Jeremy DeGeyter, Engineering Project Manager  
Requested Action: Informational
- c. Downtown Project Presentation (30 minutes)  
Dave McIntire, City of Flagstaff Community Investment Director  
Requested Action: Informational
- d. Neighborhood Sustainability Grant: Updates and Next Steps (10 minutes)  
Tia Hatton, Staff Liaison, and Chair Kevin White  
Requested Action: Informational
- e. Vice Chair Elections (8 minutes)  
Chair Kevin White  
Requested Action: Vote
- f. Adopt-An-Avenue (If time)  
Chair Kevin White and Tia Hatton, Staff Liaison  
Requested Action: Vote

7. **To and From (5 minutes) - All**

Drop-Off Day (October 28th) and Fix-It Clinic (November 4)

8. **Future Agenda Item Requests** (If no time - please email to [tia.hatton@flagstaff.az.gov](mailto:tia.hatton@flagstaff.az.gov))

9. **Adjournment**

CERTIFICATE OF POSTING OF NOTICE

The undersigned hereby certifies that a copy of the foregoing notice was duly posted at Flagstaff City Hall on \_\_\_\_\_, at \_\_\_\_\_ a.m./p.m. This notice has been posted on the City's website and can be downloaded at [www.flagstaff.az.gov](http://www.flagstaff.az.gov).

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 2023.

\_\_\_\_\_  
Tia Hatton, Sustainability Coordinator



**Sustainability (New)**

**5.**

**From:** Tia Hatton, Sustainability Coordinator II

**DATE:** 09/28/2023

**SUBJECT:** **Approval of Minutes (5 minutes)**

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**STAFF RECOMMENDED ACTION:**

**Executive Summary:**

**Connection to PBB Priorities/Objectives, Carbon Neutrality Plan & Regional Plan:**

**Priority Based Budget Key Community Priorities and Objectives**

\*\*\*Reference Priorities and Objective documents at: S:\- City of Flagstaff\COUNCIL - AGENDAQUICK & PRESENTATIONS\*\*\*

**Carbon Neutrality Plan**

\*\*\*Reference Priorities and Objective documents at: S:\- City of Flagstaff\COUNCIL - AGENDAQUICK & PRESENTATIONS\*\*\*

Please contact Nicole Antonopoulos or Jenny Niemann for questions and assistance.

**Regional Plan**

\*\*\*Reference Regional Plan Desk Guide at: S:\- City of Flagstaff\COUNCIL - AGENDAQUICK & PRESENTATIONS\*\*

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**Attachments**

August 24, 2023 Minutes

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## Minutes

SUSTAINABILITY COMMISSION

THURSDAY  
August 24, 2023

HYBRID  
MEETING STAFF  
CONFERENCE ROOM AND  
MICROSOFT TEAMS 211  
WEST ASPEN AVENUE  
4:30 P.M.

**Vision:** The City of Flagstaff is a culture and community that thrives in response to the Climate Crisis.

**Mission:** To advise Sustainability Division Staff on matters related to climate and sustainability, support community projects through Neighborhood Sustainability Grants, and provide feedback to the City Council on sustainability issues.

Members of the public may join the meeting online, via Microsoft Teams.

### 1. **Call to Order**

Chair White called the meeting of the Sustainability Commission held August 24th, 2023, to order at 4:39 pm.

### 2. **ROLL CALL**

*NOTE: One or more Commissioners may be in attendance through other technological means.*

- |                                                                    |                                                                                   |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Chair Kevin White              | <input checked="" type="checkbox"/> Commissioner Mary Ellen Metzger               |
| <input checked="" type="checkbox"/> Commissioner Priscilla Boateng | <input checked="" type="checkbox"/> Commissioner Dorcas Naa Aku<br>Shika Quarshie |
| <input checked="" type="checkbox"/> Commissioner Kristen Konkel    | <input checked="" type="checkbox"/> Commissioner Amy Wolkowinsky                  |
| <input checked="" type="checkbox"/> Commissioner Molly McCormick   |                                                                                   |

Others Present: Briana Aurilio (Minutes), Tia Hatton (Staff), Nicole Antonopoulos (Staff), Austin Aslan (City Council Member), Mark Nabel (Presenter).

### 3. **Land Acknowledgment**

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### 4. **Public Comment**

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No public comment.

**5. Approval of July Minutes (5 minutes)**

**Moved by Commissioner McCormick, seconded by Commissioner Metzger to approve the July 27<sup>th</sup>, 2023 minutes.**

Vote: 6-0 Unanimously Passed

Please note that Commissioner Konkol was not present for this vote.

**6. Business**

- a. Welcome & Introductions (10 minutes) All  
Recommended Action: Informational

Commissioners and staff introduced one another.

- b. Post-Fire Revegetation Efforts Presentation and Q&A (40 minutes)  
Mark Nabel, Silviculturist - USFS Coconino National Forest  
Recommended Action: Informational and Discussion

Mark Nabel gave a presentation about post-fire revegetation efforts.

Commissioner Konkol asked what kind of education or outreach is provided for people who wish to replant on private property. Mr. Nabel replied that there is a private forestry group/the State that does a lot of the outreach and that there is communication with volunteers on what they can do on their private land.

Nicole Antonopoulos asked what methodology the Forest Service uses regarding replanting and climate change and whether it would be possible for everyone to use the same models to sink up information with other work being done. Mr. Nabel answered that he does not have to subscribe to the same climate change model but that it is important for everyone to be on the same page.

Commissioner Metzger asked what the purpose of orange stripes painted on trees and if we are taking good steps towards creating a more healthy forest. Mr. Nabel answered that money from the federal government is opening the door slowly for creating a healthier forest and that thinning trees helps create more vigorous individuals that are more resistant to bark beetles and fires. Mr. Nabel answered that orange stripes mean that the tree is going to

stay and blue means the tree will be cut. He also reported flagging marks boundaries.

Chair White asked in terms of volunteer work how much preparation and work goes into training volunteers. Mr. Nabel answered that there is a group called Friends of Northern Arizona Forests (FoNAF) for people to get more involved with volunteering and that it can take up to a day to get good work out of a volunteer. There are also other partner organizations that have additional background, have a crew leader, and can effectively run a group.

Chair White asked in terms of other resources that the community could potentially contribute materials such as compost. Mr. Nabel answered that they use mulch from their own planting projects however there is potential to partner with residents.

Chair White asked Mr. Nabel if he could speak at all to the problems posed by topsoil loss, if there were any techniques or plans involved in areas where there was a loss of topsoil due to flooding, and if there are any preemptive plans to reduce the potential for topsoil loss before fires happen in different areas of forest. Mr. Nabel answered that the best approach for limiting topsoil loss is planned burns and keeping roots in place, and that they are an effective tool to keep other fires from burning as hot as they do. After the fire is when mulching comes in as well as contouring fallen trees to help stabilize the soil.

Chair White asked if it were possible for the Sustainability Commission to coordinate with the Forest Service in terms of organizing a mulch or compost initiative. Mr. Nabel answered that they do have a volunteer coordinator and that he can share their contact info.

Chair White asked if it were possible to open more pathways for volunteering in light of a difficult to access locations. Mr. Nabel answered that it could be possible for a group of hardy people to execute a long hike but they lean towards contractors for those kinds of tasks. Mr. Nabel comments that there could be future opportunities.

Chair White asked Mr. Nabel if he had any estimated timeline as to the rate at which reforestation will reduce flooding in Flagstaff. Mr. Nabel responded that it is not the reforestation that will reduce flooding but shrubs and grasses reestablishing themselves that will create most of that stabilization and could take fifty years post fire.

Commissioner McCormick asked Mr. Nabel to expand on the controversy of replanting and what he is trying to accomplish by

replanting. Mr. Nabel answered that some of the controversies include tree shelters blowing off seedlings creating litter and people stating that these open grasslands created by fire should be left alone however Mr. Nabel stated that with the amount of thinning being planned there will only be more grassland being created. Mr. Nabel continued answering that there is some benefit of sticking trees back into the ground whether it be benefiting wildlife or the aesthetic value of the forest.

Presentation slides available at the end of this document.

- c. Neighborhood Sustainability Grants: Overview of Staff/Division Updates, Review Timeline, & Q&A (30 minutes)

Tia Hatton and Chair White

Requested Action: Informational and Vote on Additional Updates

Ms. Hatton shared information on the updated guidelines and application materials on the Neighborhood Sustainability Grant. Key updates included eliminating the rule to exclude awardees from receiving other grant awards, eliminating the 501c3 status as 501c4 as allowed to apply, and updates to the category objectives. Ms. Hatton and the Sustainability Commission discussed the updates, further improvements to the scoring rubric, and alterations to the application and guidelines for applicants for the Neighborhood Sustainability Grant. Ms. Hatton will make those modifications and send them out the the Commission.

**Moved by Commissioner Konkel, seconded by Commissioner Walkowinsky to use the Neighborhood Sustainability Grant application and rubric as modified.**

Vote: 7-0 Unanimously Passed

- d. Vice Chair Election (10 minutes)

Chair Kevin White

Requested Action: Vote

Tabled to next month.

- e. Adopt-An-Avenue: Commission Avenue, Alternatives, & Schedule Clean-Up (10 minutes) Chair Kevin White and Nicole Antonopoulos  
Requested Action: Discussion and Possible Vote (?)

Chair White discussed how different organizations and groups can adopt different streets and that the Sustainability Commission has adopted Aspen Avenue. Chair White reported it's been about a year since the Commission last did a clean up.

Chair White suggested the Sustainability Commission do a trash clean up on Aspen Avenue. Chair White also mentioned the newer clean up program which include the Adopt-A-Stream or the Adopt-A-Flagstaff Urban Trail (FUTS) programs.

Chair White asked the Commission if they wanted to continue adopting the avenue or adopt a stream or a FUTS instead and asked for this topic to be a future agenda item. Chair White recommended we schedule it in the coming months before weather turns.

Commissioner Wolkowinsky asked if there is a fee involved or is this just volunteer based. Ms. Antonopoulos answered that it is volunteer based and the Sustainability Office provides all materials.

- f. Sustainability Division Updates (10 minutes) Tia Hatton  
Recommended Action: Informational

Tia Hatton posted the summary of the Sustainability Division Updates for the Sustainability Commission to view with the Agenda.

Chair White encouraged the Commission to view this document.

**6. To and From (5 minutes) - All**

Ms. Hatton shared that Flagstaff Foodlink will be having a Seed Saving Workshop on September 9th and a Harvest Festival & Indigenous Farmers Market on September 23rd.

Ms. Antonopoulos shared updates on the Floodproofing Grant and requested for the Commission to spread the word about the grant. Ms. Hatton will send out information about both of these items following the meeting.

**7. Future Agenda Item Requests**

Chair White requested to have a discussion with either Emergency Services or Emergency Planning about climate change related emergency preparedness and Flagstaff over the next couple years specifically. Ms. Antonopoulos commented that Emergency Management is run by the county but there has been an Emergency Management program started by the city but will not operate at the same level.

Commissioner McCormick requested what would the perceived risks be and what is Flagstaff doing about those perceived risks.

Ms. Antonopoulos suggested creating a list of questions to provide for future conversations.

**8. Adjournment**

The meeting of the Sustainability Commission on August 24th, 2023, adjourned at 6:37 pm by Chair White.

<b>CERTIFICATE OF POSTING OF NOTICE</b>		
The undersigned hereby certifies that a copy of the foregoing notice was duly posted at Flagstaff City Hall on been posted on the City's website and can be downloaded at <a href="http://www.flagstaff.az.gov">www.flagstaff.az.gov</a> .	_____	at _____ a.m./p.m. This notice has
Dated this day of _____, 2023.		
_____ Tia Hatton, Sustainability Coordinator		

# Coconino National Forest Post-Fire Revegetation Efforts

Mark Nabel

Silviculturist, Flagstaff Ranger District

[mark.nabel@usda.gov](mailto:mark.nabel@usda.gov) (928)214-2456



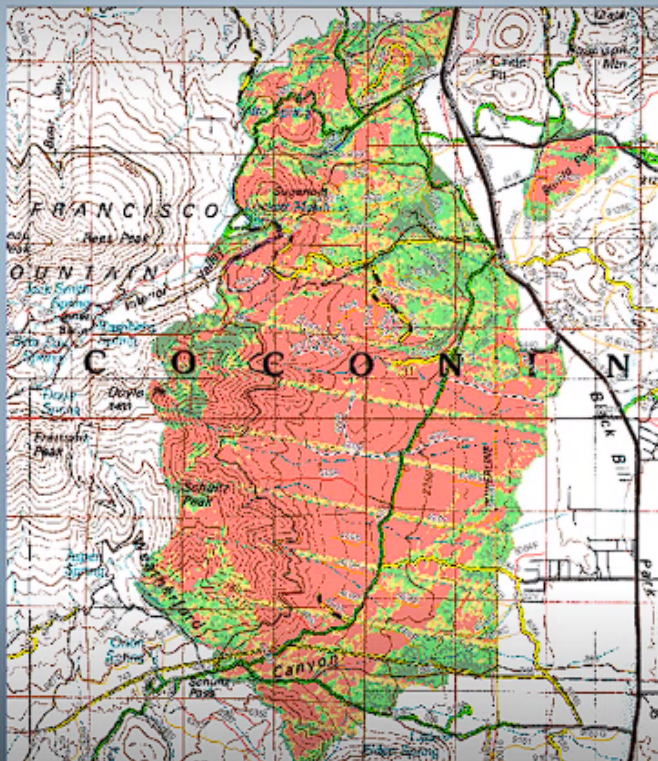
## What I'll talk about

- How do we decide where post-fire vegetation efforts are needed?
- Types of actions considered
- Reforestation needs assessment
- Formal project planning (NEPA process)
- Past reforestation efforts
- Future reforestation efforts
- Factors to consider when tree planting

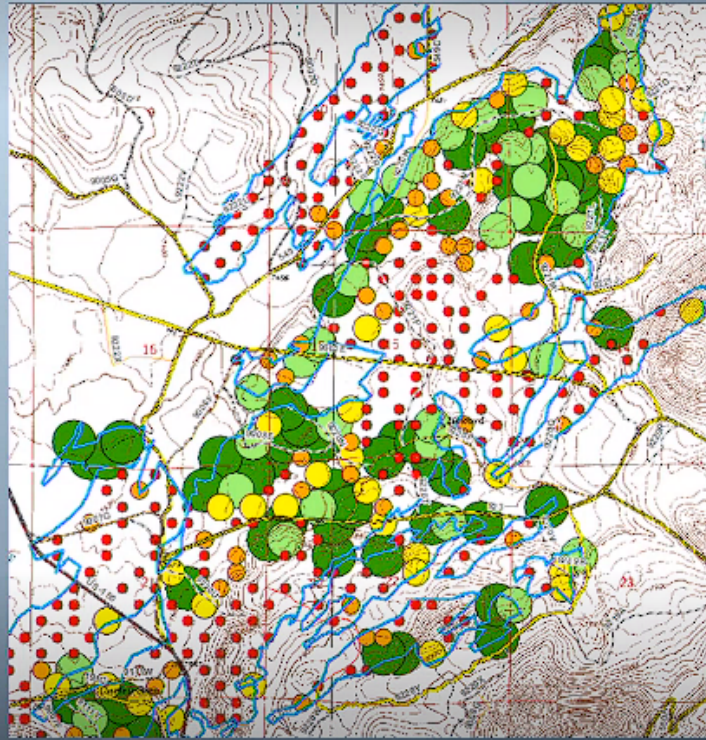
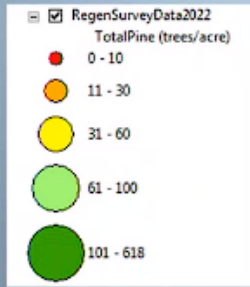
# How do we decide where post-fire vegetation mgmt. action is needed?

- Burned Area Emergency Response (BAER)
  - Designed primarily to address emergency stabilization issues (infrastructure/environment)
  - Options include heli-mulching, aerial seeding
- Reforestation Needs Assessment
  - Designed to determine where reforestation needs exist and how to address them
  - Determinations vary by land suitability, management objectives, whether part of “timber base”
  - Options include natural regeneration, planting, natural recovery

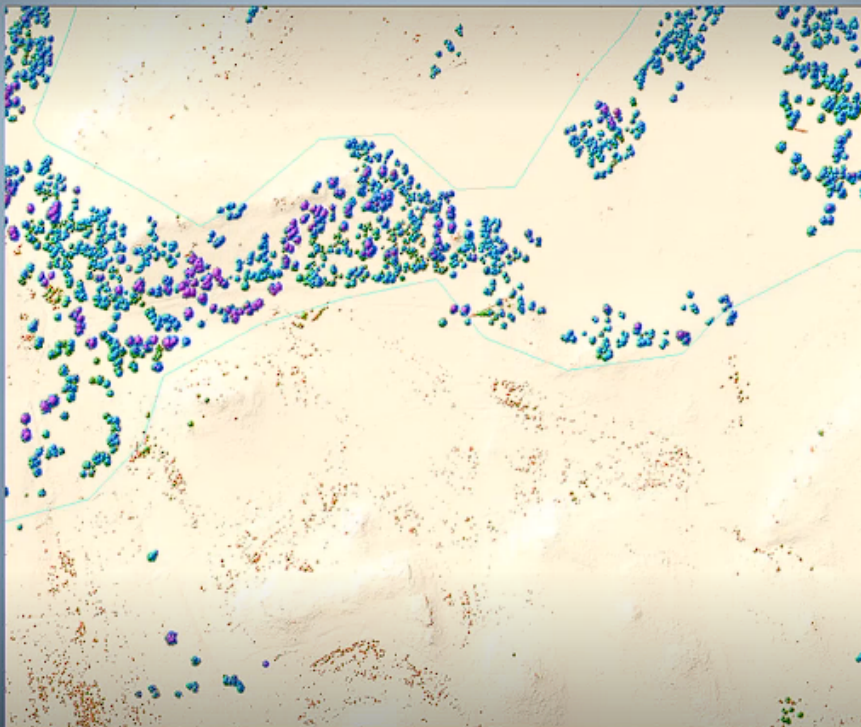
## Reforestation Needs Assessment (RAVG)



# Reforestation Needs Assessment (Surveys)



# Reforestation Needs Assessment (Lidar)



# Reforestation Planning (NEPA process)

## Decision Memo

### Schultz Fire Reforestation and Site Preparation Project

USDA Forest Service  
 Southwestern Region, R-3  
 Flagstaff Ranger District  
 Coconino National Forest  
 Coconino County, AZ

Signed 2011 - Authorized up to 4,500 acres of planting across Schultz Fire

## Decision Memo

### Flagstaff Ranger District Reforestation Project

USDA Forest Service  
 Flagstaff Ranger District  
 Coconino National Forest  
 Coconino County, Arizona

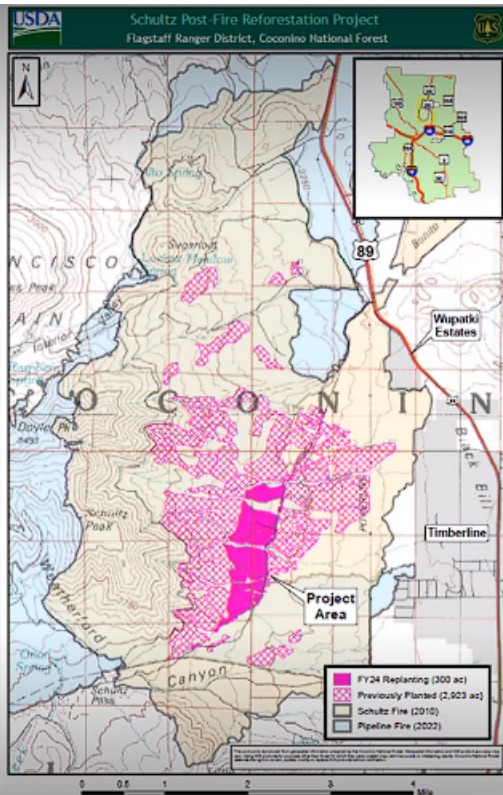
Signed 2018 - Authorized up to 13,000 acres of planting across 10 fires + 2 small clearcuts

Table 1. Proposed locations for reforestation across the Flagstaff Ranger District, including size and year of occurrence.

Project Area Name	Acres	Fire Year	Comments
HOCHDERFFER	6686	1996	
RADIO	382	1977	
TAYLOR	513	2009	
HORSESHOE	3545	1996	
BELLE	337	1967	
PIPE	298	2000	
WHITEHORSE	293	1951	
PUMPKIN	401	2000	
CLEARCUTS	81	0	From two previous clearcuts, not from fires
TRICK	63	1993	
RED	61	2009	Resource Benefit Fire

# Post-Fire Reforestation Implementation (Schultz Fire)

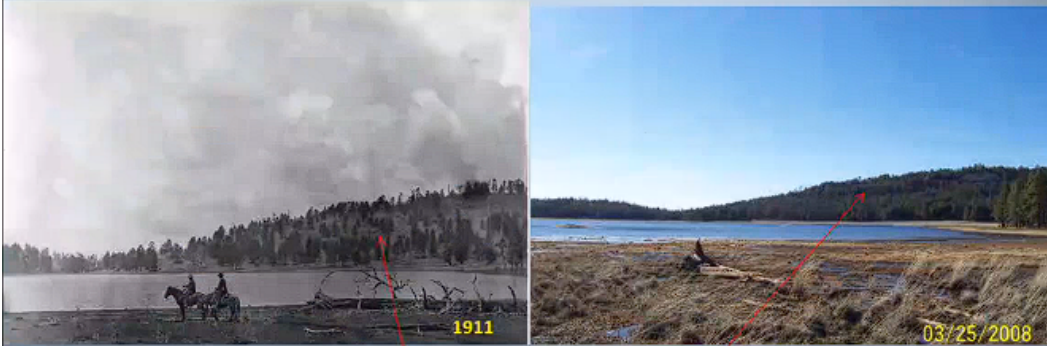
2012-2019:  
2,923 acres





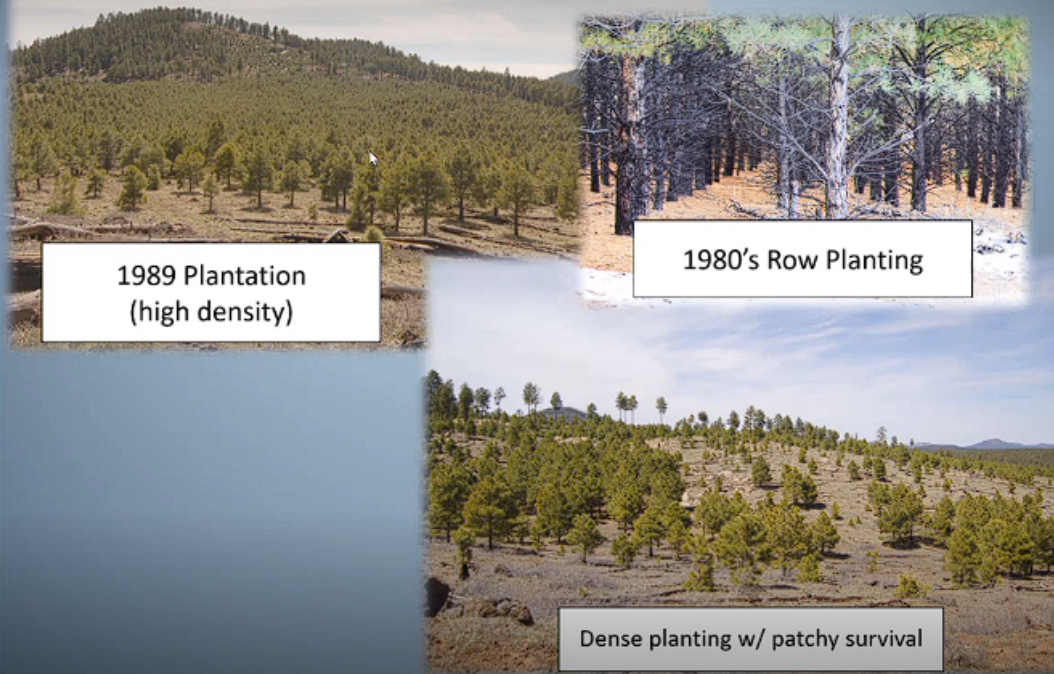
# Historical Context and Reference Condition: Side by Side

Williams Ranger District  
Coleman Lake



Compare and contrast  
historical density

## Traditional Planting



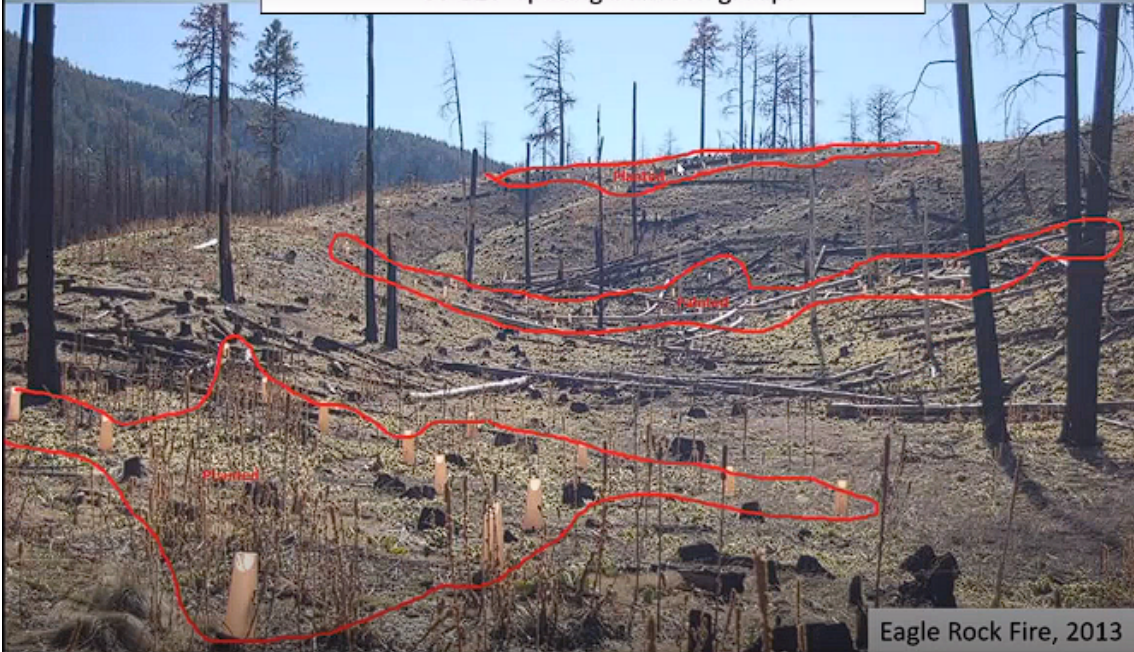
1989 Plantation  
(high density)

1980's Row Planting

Dense planting w/ patchy survival

### Large Groups

- 100 TPA (75-125 TPA)
- Large groups (75-125 trees)
- 5-20' tree spacing within groups
- 80-120' spacing between groups



## Questions?

- Mark Nabel
- Silviculturist, Flagstaff Ranger District
- [mark.nabel@usda.gov](mailto:mark.nabel@usda.gov) (928)214-2456





**Sustainability (New)**

**6. a.**

**From:** Tia Hatton, Sustainability Coordinator II  
**DATE:** 09/28/2023  
**SUBJECT:** Sustainability Division Updates (5 minutes)  
Jenny Niemann, Climate Action Section Director  
Requested Action: Informational

---

**STAFF RECOMMENDED ACTION:**

**Executive Summary:**

**Connection to PBB Priorities/Objectives, Carbon Neutrality Plan & Regional Plan:**

**Priority Based Budget Key Community Priorities and Objectives**

\*\*\*Reference Priorities and Objective documents at: S:\- City of Flagstaff\COUNCIL - AGENDAQUICK & PRESENTATIONS\*\*\*

**Carbon Neutrality Plan**

\*\*\*Reference Priorities and Objective documents at: S:\- City of Flagstaff\COUNCIL - AGENDAQUICK & PRESENTATIONS\*\*\*

Please contact Nicole Antonopoulos or Jenny Niemann for questions and assistance.

**Regional Plan**

\*\*\*Reference Regional Plan Desk Guide at: S:\- City of Flagstaff\COUNCIL - AGENDAQUICK & PRESENTATIONS\*\*

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**Sustainability (New)**

**6. b.**

**From:** Tia Hatton, Sustainability Coordinator II

**DATE:** 09/28/2023

**SUBJECT:** Butler & Fourth Avenue Transportation Project Presentation + Q&A (up to 60 minutes)  
Jeremy DeGeyter, Engineering Project Manager  
Requested Action: Informational

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**STAFF RECOMMENDED ACTION:**

**Executive Summary:**

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**Attachments**

Draft Presentation 4th St. + Butler

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# ST3047: Butler-Fourth Improvements Project

Sustainability Commission

Project Update

September 28, 2023



**BURGESS & NIPLÉ**



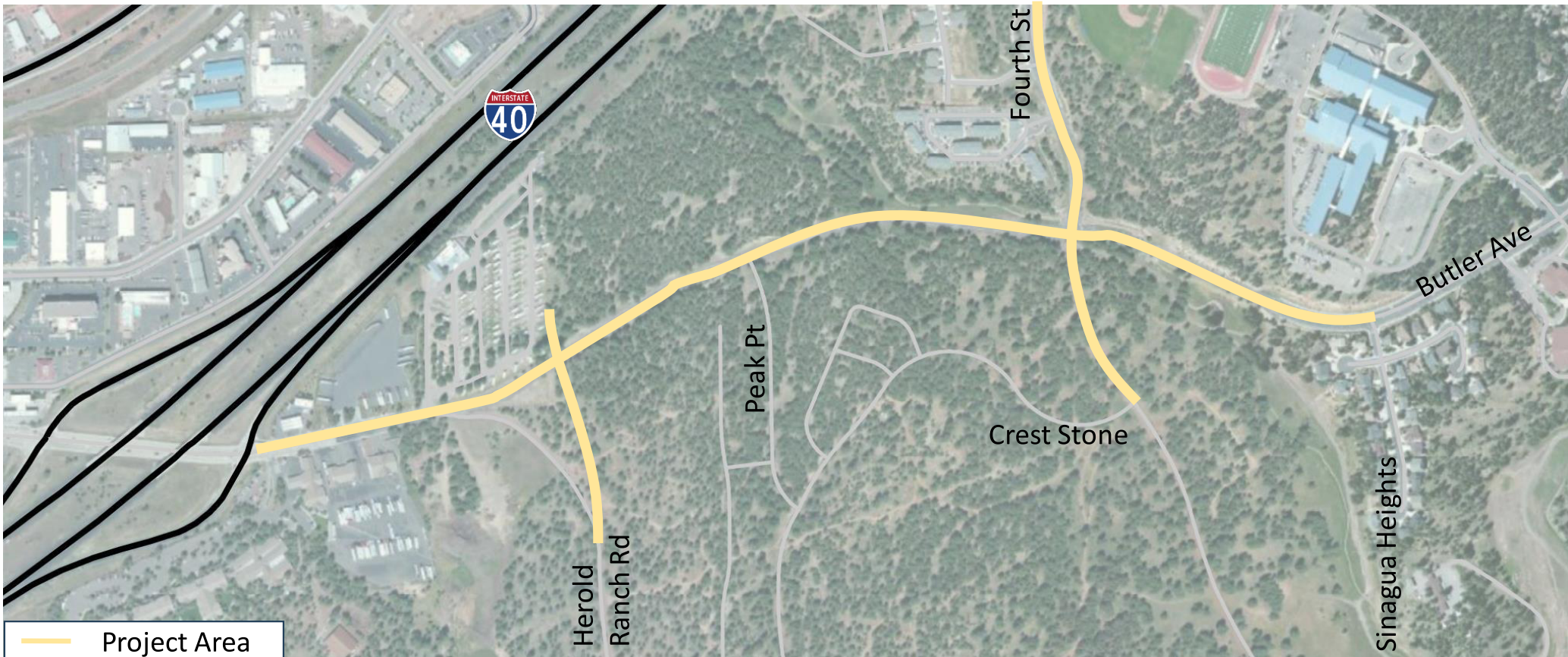
# Contents

- Introduction
  - Project Background
  - Project Goals
  - Timeline
- Corridor Improvements
- Alternatives Overview
- Alternatives Matrix Scoring
- Next Steps



**BURGESS & NIPLÉ**

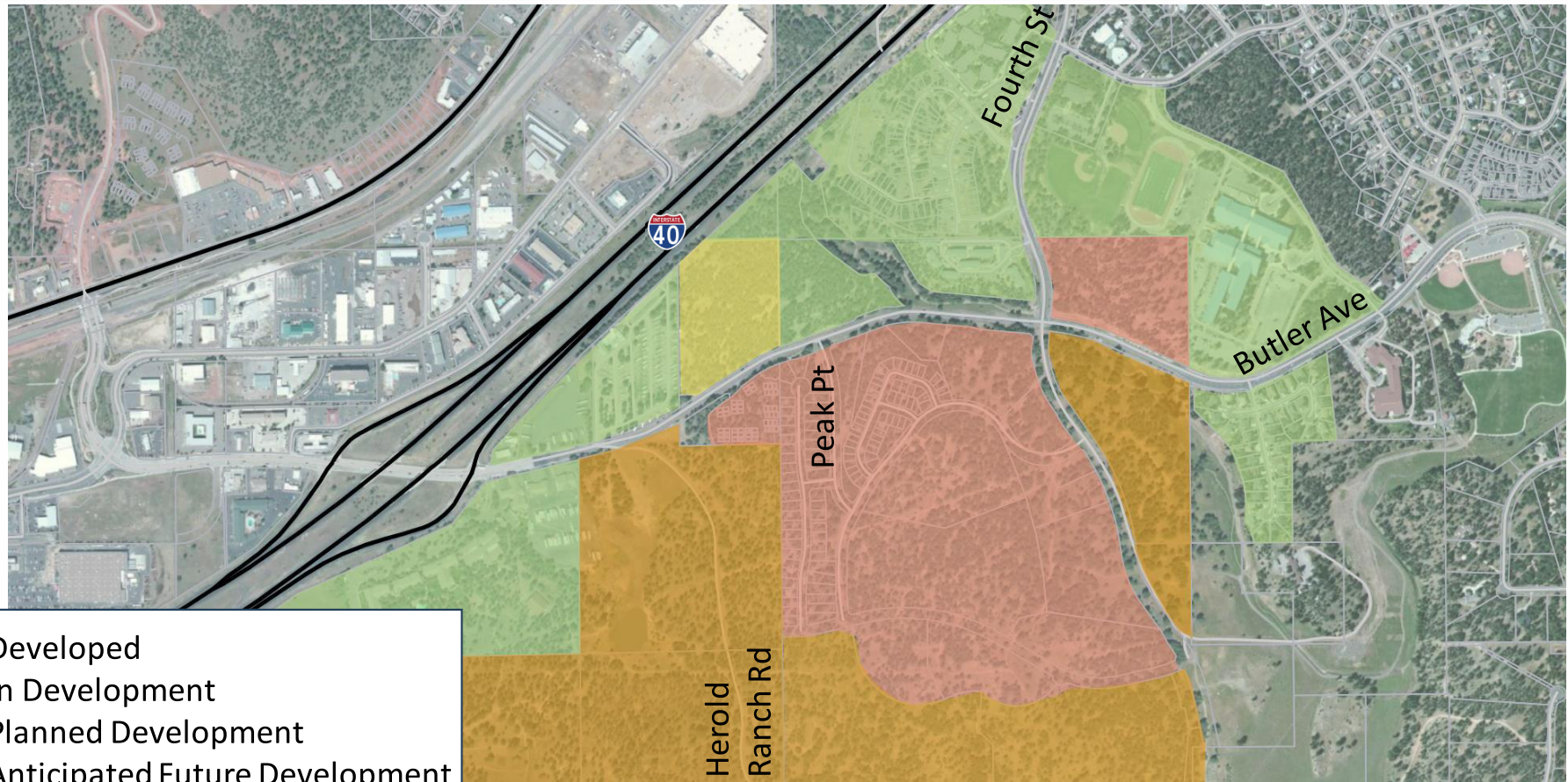
# Project Limits



# Project Background

- Widen existing two-lane section to four-lane section with median
  - Butler Ave from I-40 to Sinagua Heights Dr
  - Fourth St from Sparrow Ave to Whetstone Dr (Canyon Del Rio)
- Funded by Propositions 403 & 419 and Developer Contributions
- Butler Ave & Herold Ranch Rd intersection to become a roundabout
  - Access Control-Truck U-Turns
- Alternatives evaluated at Butler Ave/Fourth St intersection
- Scoping/Outreach Phase

# Project Background

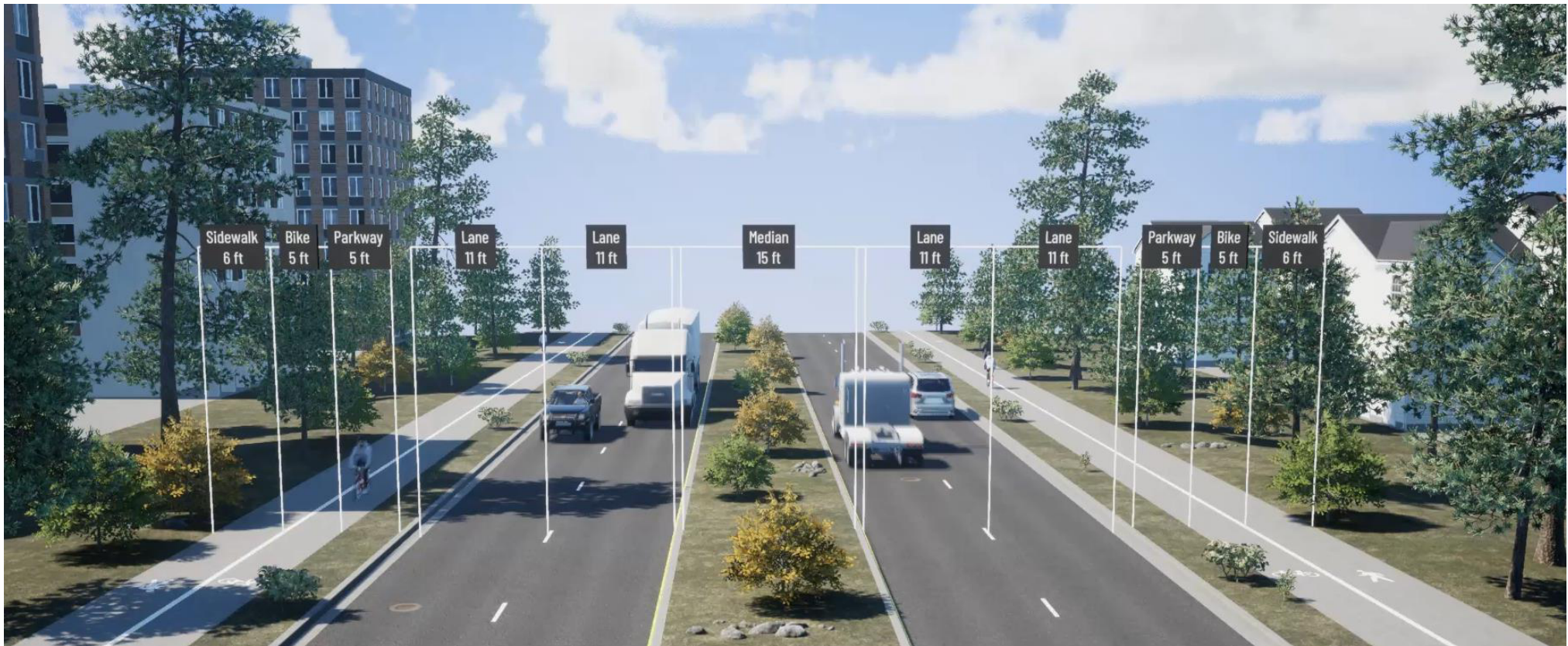


- Developed
- In Development
- Planned Development
- Anticipated Future Development

# Project Goals

- Improved facilities for all modes and users of the corridor
- Regional Plan
  - Increase roadway capacity to follow approved development and zoning
- Carbon Neutrality Plan
- Active Transportation Master Plan
- Flagstaff in Motion 2023, A Community Transit Plan
- Achieve highest level of safety for all users
  - Vision Zero Alignment

# Corridor Typical Section



# Bicycle and Pedestrian Treatments

- Off street bike lane and sidewalk
  - Directional Bike Lane
  - Protected intersection crossings

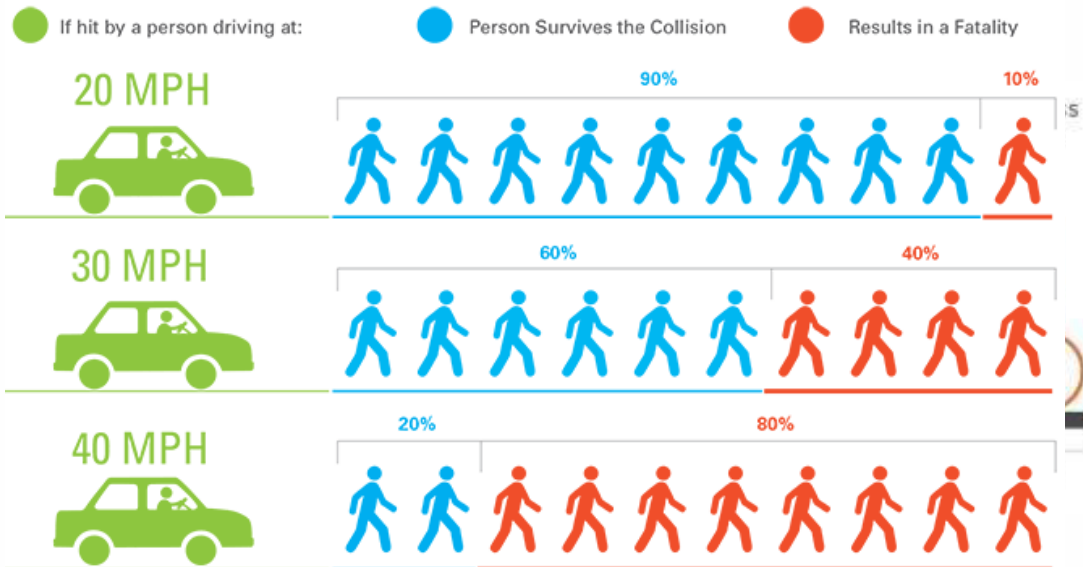
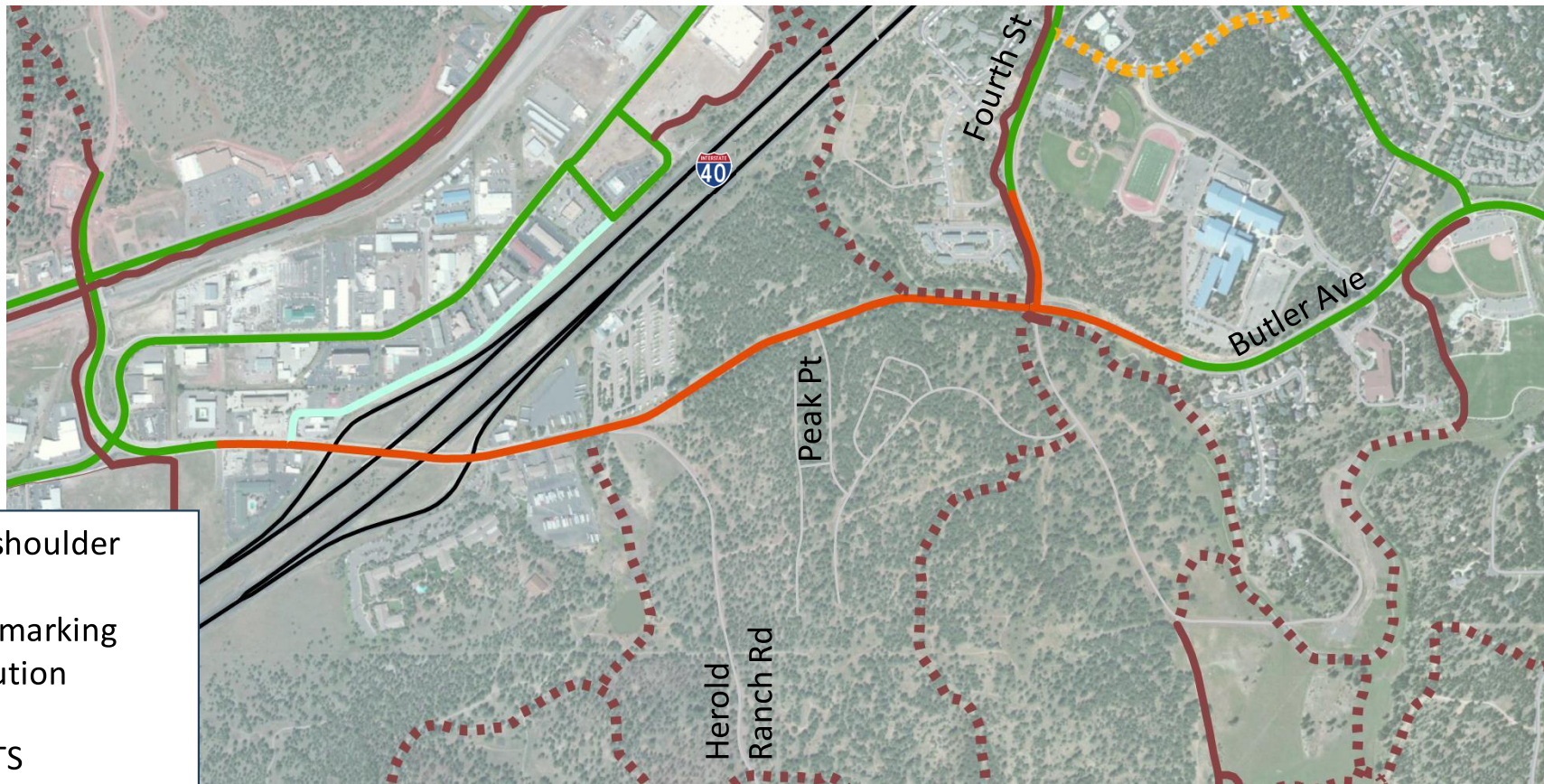


Image credit: San Francisco MTA Vision Zero Action Plan, Feb 2015

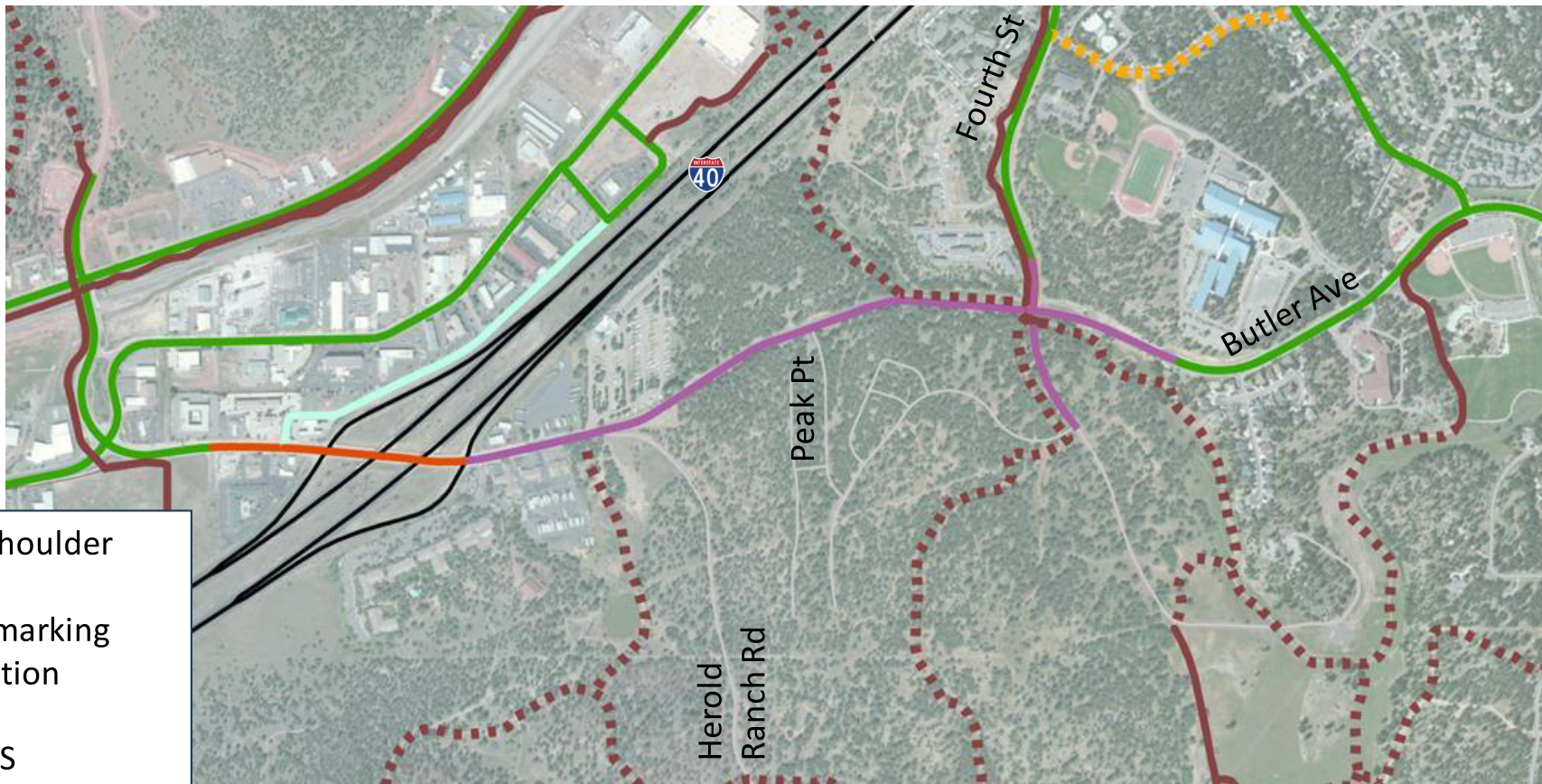


# Bicycle and Pedestrian Treatments



-  Bike lane or shoulder
-  Bike route
-  Shared Lane marking
-  Ride with caution
-  Paved FUTA
-  Unpaved FUTA
-  ST3047 Buffered Path

# Bicycle and Pedestrian Treatments



-  Bike lane or shoulder
-  Bike route
-  Shared Lane marking
-  Ride with caution
-  Paved FULTS
-  Unpaved FULTS
-  ST3047 Buffered Path

# Pedestrian and Transit Treatments



# Butler-Fourth Intersection Alternatives Selection



**BURGESS & NIPLÉ**

# Alternative Evaluation Timeline

- Initial Alternatives Workshop
- 11 total alternatives evaluated
- Initial Screening meeting down to 3
- Project Team identified preferred alternative using multiple category evaluation

# Additional Evaluated Alternatives – 5x5 Signalized

## Benefits:

- Small intersection footprint
- Reduced ped/bike crossing lengths
- Protected intersection features

## Drawbacks:

- Queuing Lengths
- Significant Delays
  - Does not meet City Standards



**BURGESS & NIPLE**

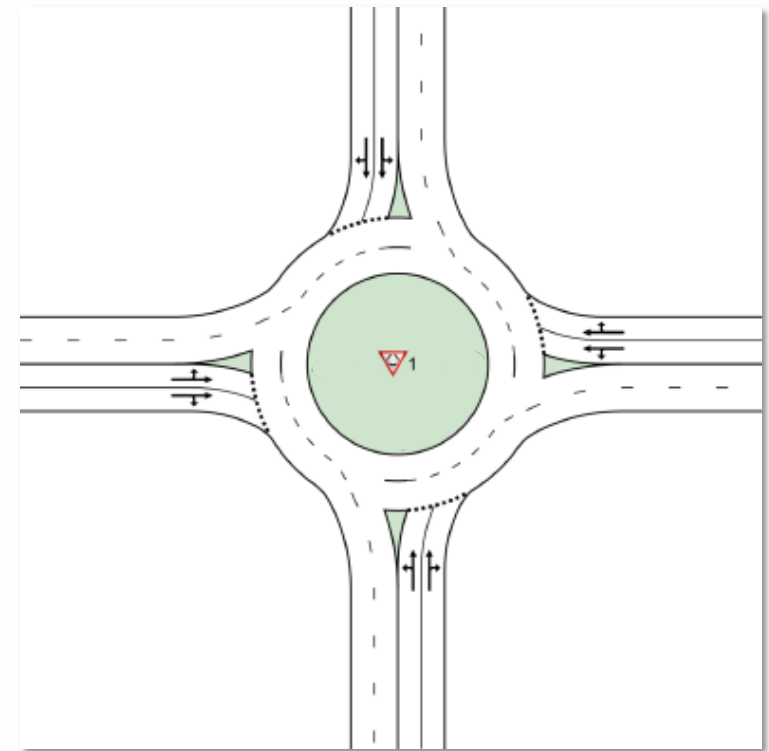
# Additional Evaluated Alternatives – 2x2 Roundabout

## Pros:

- Reduced pedestrian crossing lengths
- Reduced likelihood of high severity crashes

## Cons:

- Increased low severity crashes
- Significant Delays
  - Does not meet City Standards



**BURGESS & NIPLE**

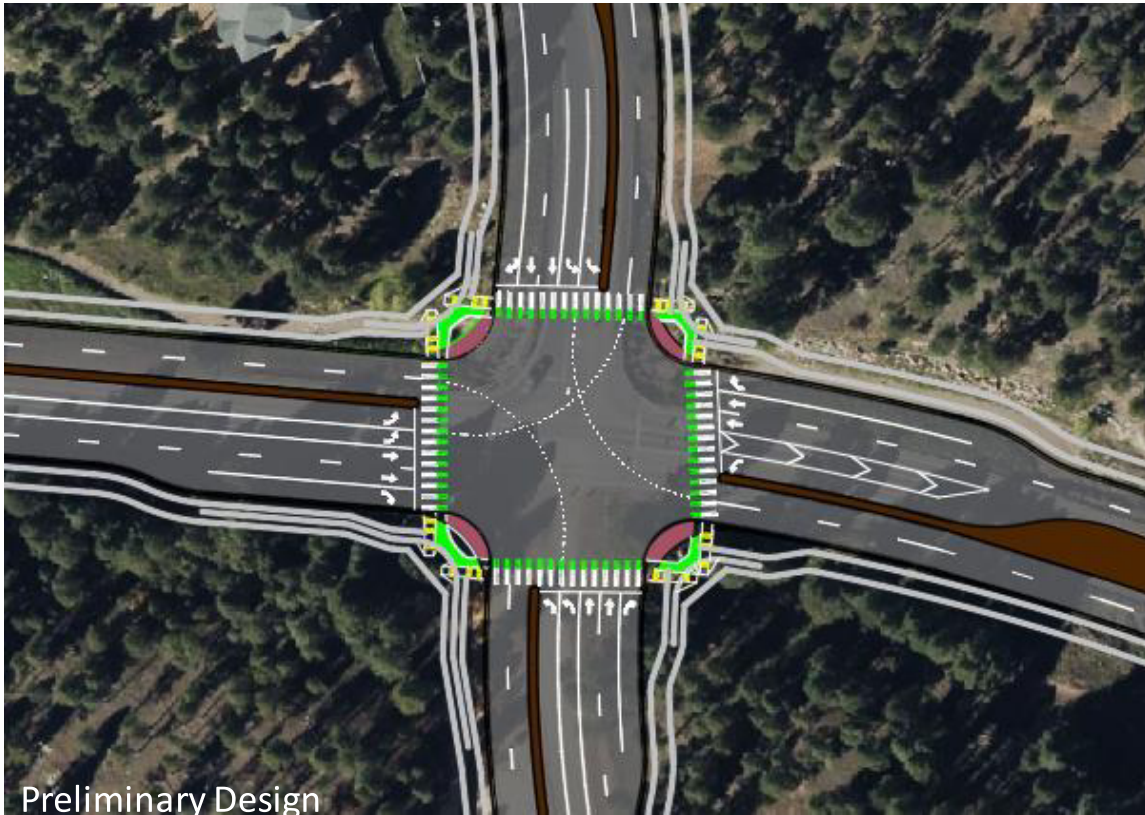
# Candidate Alternatives

Three initial alternatives advanced towards preferred alternative selection



**BURGESS & NIPLÉ**

# Alternative A – Butler-Fourth 7x7 Intersection



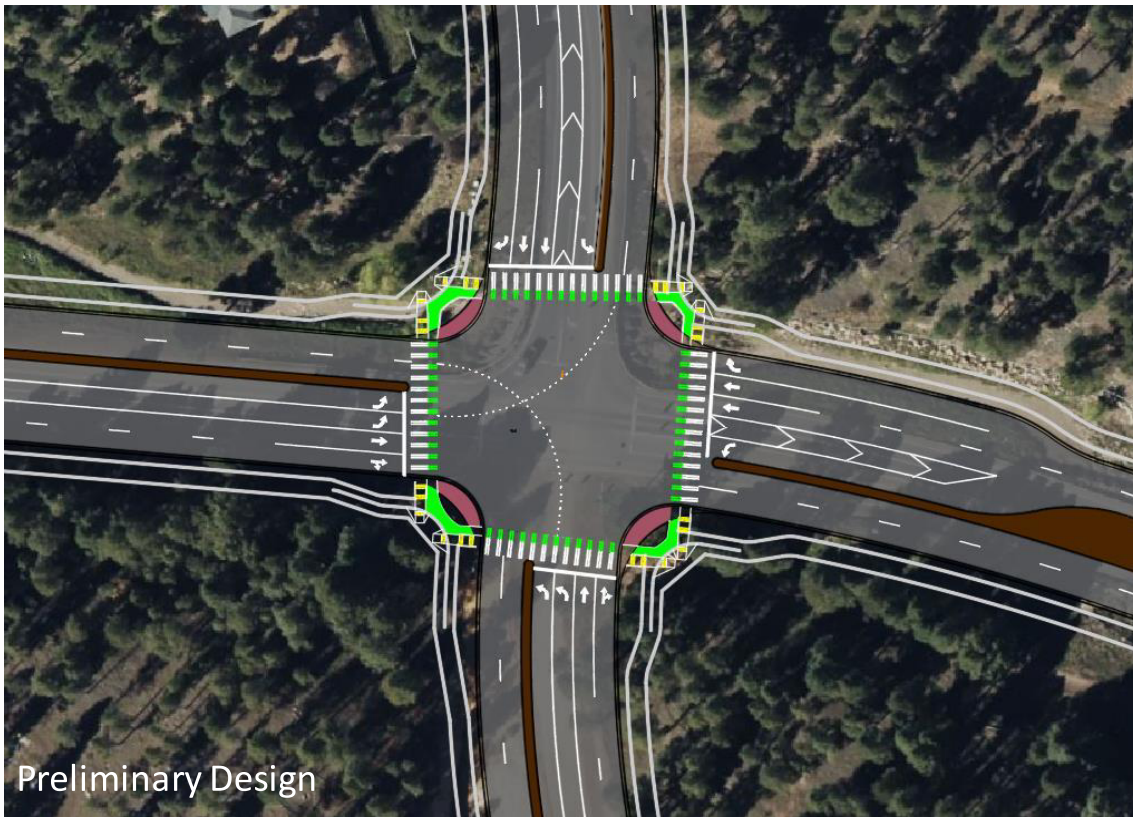
- Dual left-turn lanes in all directions except for westbound
- Designated right-turn lanes in all directions
- Protected intersection features

**BURGESS & NIPLE**

# Alternative A – Butler-Fourth 7x7 Intersection



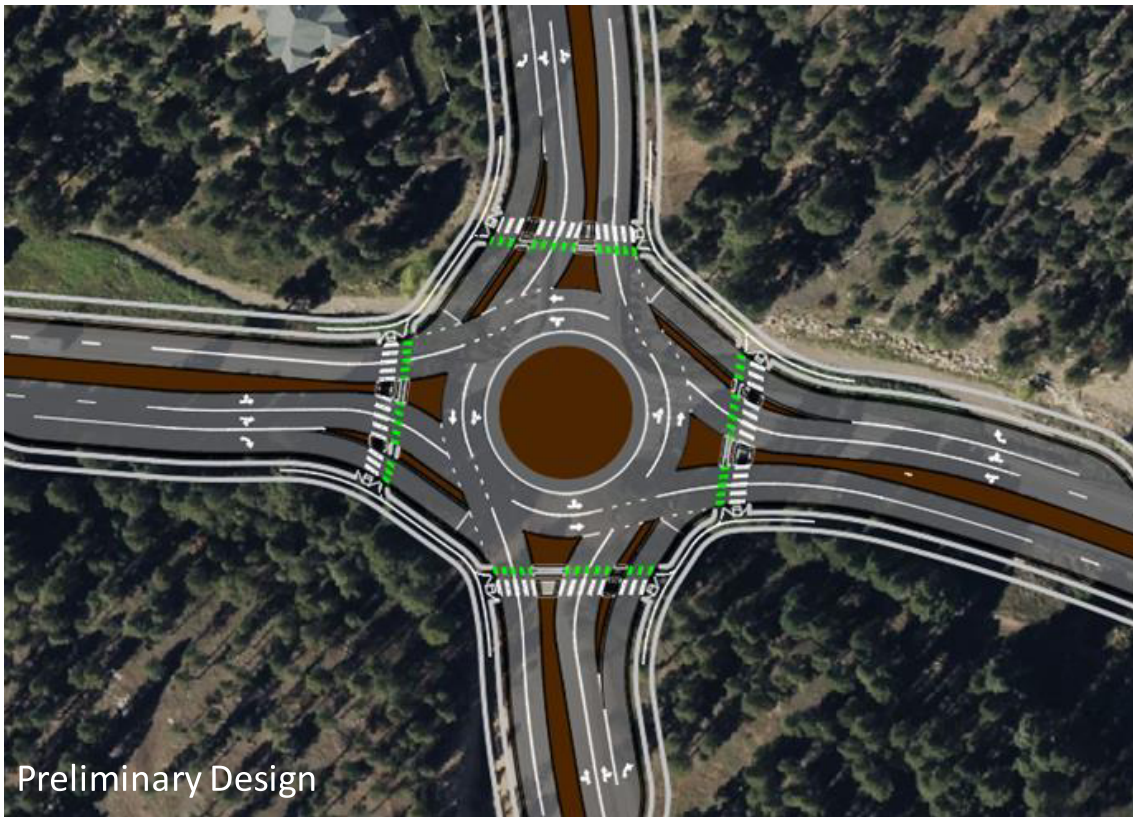
# Alternative B – Butler-Fourth 6x6 Intersection



- Dual left-turn lanes in the north and east-bound directions
- Designated right-turn lane in the south and westbound directions
- Protected intersection features

**BURGESS & NIPLE**

# Alternative C – Butler-Fourth 2x2 Roundabout with channelized right turns



- Features channelized right-turn lanes
- 2 circulating lanes
- Rapid Flashing Beacon (RFB) for pedestrian crossings
- Will evaluate raised crosswalks at channelized lanes

**BURGESS & NIPLE**

# Alternative C – Butler-Fourth 2x2 Roundabout with channelized right turns



# Review of Overall Matrix

Scoring Category	No-Build	ALT A: 7x7 Signalized Intersection	ALT B: 6x6 Signalized Intersection	ALT C: 2x2 Roundabout, Channelized Rights
1. Vehicular Operations	1	4	3	5
2. Truck Circulation	3	3	3	5
3. Transit Accommodation	3	1	3	3
4. Pedestrian/Bike Circulation	1	2	3	2
5. Predicted Crash Frequency (annual)	1	3	3	4
6. Pedestrian/Bike Interface	1	3	3	2
7. Cost and Land Impact Category	5	3	3	3
Total score:	15	19	21	24

# Vehicular Operations

	No-Build	ALT A – 7x7 Intersection	ALT B – 6x6 Intersection	ALT C – 2x2 Roundabout, Channelized Rights
Level of Service (AM/PM)	<i>F/F</i>	<i>C/C</i>	<i>C/D</i>	<i>A/B</i>
Average Delay (sec.)	<i>91.35</i>	<i>31.30</i>	<i>37.15</i>	<i>11.05</i>
Annual Total Vehicle Miles Traveled (VMT)	1,256,492	1,254,988		
Annual Total Vehicle Hours Traveled (VHT)	116,243	115,784		
CO Emissions (g/hr)	<i>5,985</i>	<i>5,235</i>	<i>5,710</i>	<i>1,355</i>
NOx Emissions (g/hr)	<i>1,165</i>	<i>1,020</i>	<i>1,110</i>	<i>1,754</i>
Driver Expectation	Best	Good	Fair	Poor
Category Score	1	4	3	5

**BURGESS & NIPLE**

# Review of Overall Matrix

Scoring Category	No-Build	ALT A: 7x7 Signalized Intersection	ALT B: 6x6 Signalized Intersection	ALT C: 2x2 Roundabout, Channelized Rights
1. Vehicular Operations	1	4	3	5
2. Truck Circulation	3	3	3	5
3. Transit Accommodation	3	1	3	3
4. Pedestrian/Bike Circulation	1	2	3	2
5. Predicted Crash Frequency (annual)	1	3	3	4
6. Pedestrian/Bike Interface	1	3	3	2
7. Cost and Land Impact Category	5	3	3	3
Total score:	15	19	21	24

# Pedestrian and Bike Circulation

	No-Build	ALT A – 7x7 Intersection	ALT B – 6x6 Intersection	ALT C – 2x2 Roundabout, Channelized Rights
Pedestrian / Bike Comfort	Poor	Poor	Poor	Poor
Accessibility / Americans with Disabilities Act	Poor	Include all Current Standards		
Category Score	1	2	3	2

# Review of Overall Matrix

Scoring Category	No-Build	ALT A: 7x7 Signalized Intersection	ALT B: 6x6 Signalized Intersection	ALT C: 2x2 Roundabout, Channelized Rights
1. Vehicular Operations	1	4	3	5
2. Truck Circulation	3	3	3	5
3. Transit Accommodation	3	1	3	3
4. Pedestrian/Bike Circulation	1	2	3	2
5. Predicted Crash Frequency (annual)	1	3	3	4
6. Pedestrian/Bike Interface	1	3	3	2
7. Cost and Land Impact Category	5	3	3	3
Total score:	15	19	21	24

# Pedestrian and Bike Interface

	No-Build	ALT A – 7x7 Intersection	ALT B – 6x6 Intersection	ALT C – 2x2 Roundabout, Channelized Rights
Max Individual Crossing Length (ft)	70	94	94	30
Overall Crossing Length (ft)	70	94	94	118
Crossing Features	Crosswalks, No Landings	Stop Condition, Crosswalks		Rapid Flashing Beacons, Crosswalks
Vision Zero Alignment	Low	Fair	Fair	Good
Speeds	Faster	Faster	Faster	Slower
Medians / Refuge Islands	N/A	Partial	Partial	Full
Left Turn Phasing	Permissive	Protected	Protected	Eliminated
Ped/Bike Cross Section	Shoulder	Separated Path		
Protected Intersection Aspects	N/A	Pedestrian / Cycle Path Applied		
Intersection Lighting	Corners	Increased Lighting		
Category Score	1	3	3	2

# Review of Overall Matrix

Scoring Category	No-Build	ALT A: 7x7 Signalized Intersection	ALT B: 6x6 Signalized Intersection	ALT C: 2x2 Roundabout, Channelized Rights
1. Vehicular Operations	1	4	3	5
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Sustainability Advisory Committee Ranking				

# Questions

**BURGESS & NIPLÉ**

# Review of Overall Matrix

Scoring Category	No-Build	ALT A: 7x7 Signalized Intersection	ALT B: 6x6 Signalized Intersection	ALT C: 2x2 Roundabout, Channelized Rights
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Total score:	15	19	21	24
Sustainability Advisory Committee Ranking				

# Next Steps

**BURGESS & NIPLÉ**





**Sustainability (New)**

**6. c.**

**From:** Tia Hatton, Sustainability Coordinator II

**DATE:** 09/28/2023

**SUBJECT:** Downtown Project Presentation (30 minutes)  
Dave McIntire, City of Flagstaff Community Investment Director  
Requested Action: Informational

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**STAFF RECOMMENDED ACTION:**

**Executive Summary:**

**Connection to PBB Priorities/Objectives, Carbon Neutrality Plan & Regional Plan:**

**Priority Based Budget Key Community Priorities and Objectives**

\*\*\*Reference Priorities and Objective documents at: S:\- City of Flagstaff\COUNCIL - AGENDAQUICK & PRESENTATIONS\*\*\*

**Carbon Neutrality Plan**

\*\*\*Reference Priorities and Objective documents at: S:\- City of Flagstaff\COUNCIL - AGENDAQUICK & PRESENTATIONS\*\*\*

Please contact Nicole Antonopoulos or Jenny Niemann for questions and assistance.

**Regional Plan**

\*\*\*Reference Regional Plan Desk Guide at: S:\- City of Flagstaff\COUNCIL - AGENDAQUICK & PRESENTATIONS\*\*

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