



# SUNDOG CONNECTOR

Design  
Concept Report  
and Environmental  
Overview

May 10, 2022

Prescott Valley Library – Crystal Room

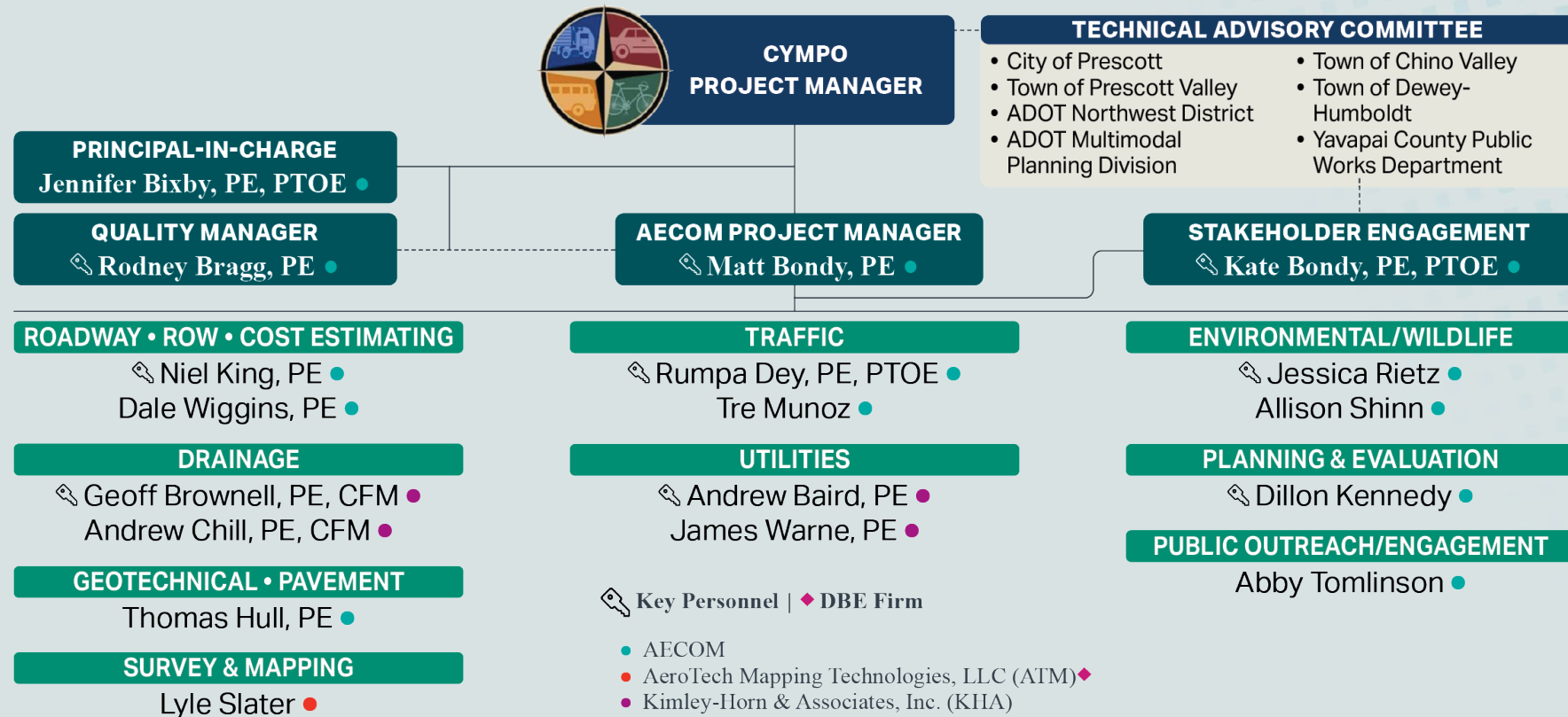


CYMPO  
Central Yavapai Metropolitan  
Planning Organization

# Agenda

- Introductions
- Study Team and Roles
- Study Area, Goals & Needs
- Workplan
- Tasks
- Proposed Schedule
- Next Steps
- Open Discussion

# Study Team and Roles

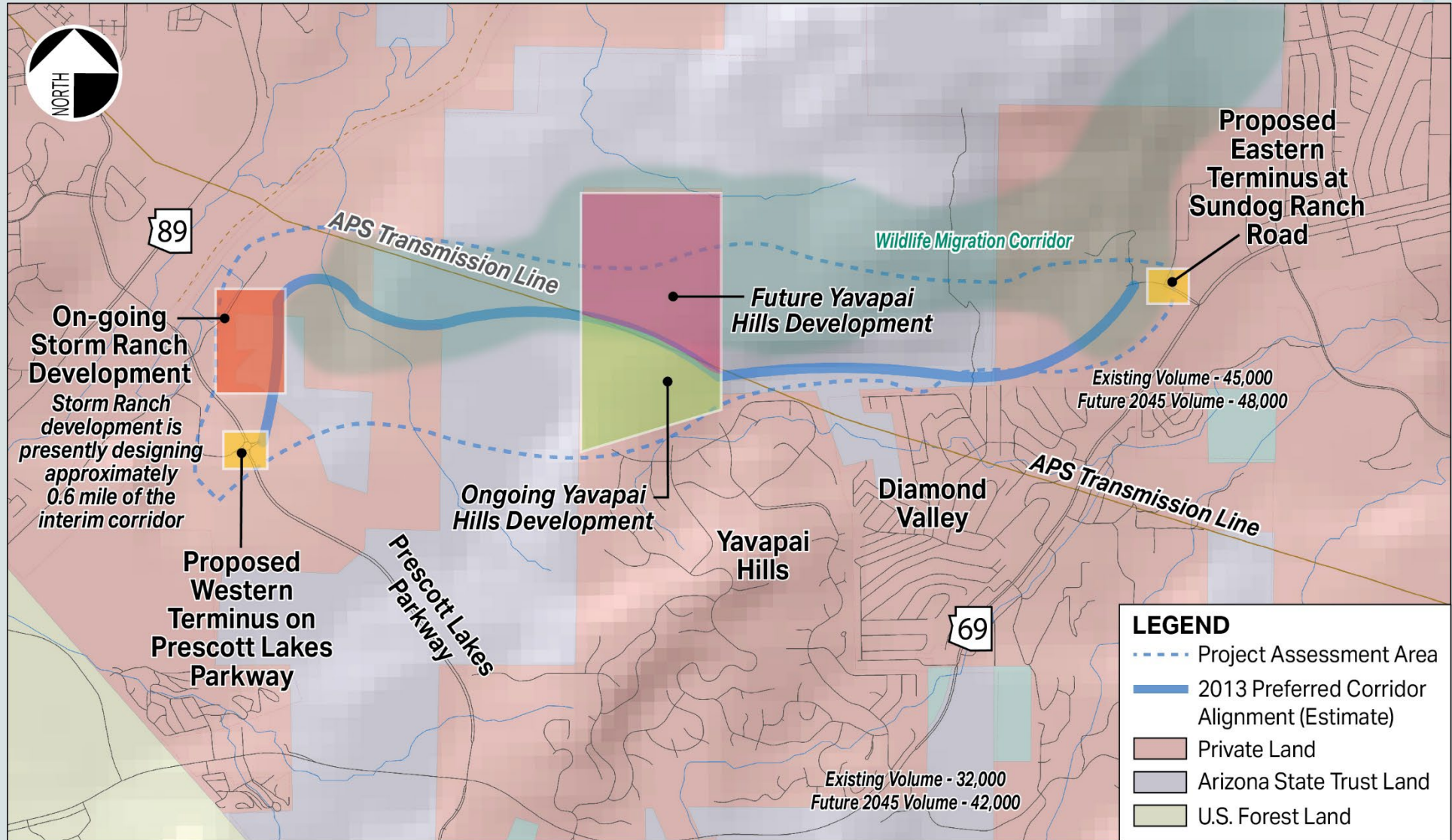


# Study Team and Roles

## Sundog Technical Advisory Committee (STAC)

Name	Agency Representative	Contact Information
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# Study Area



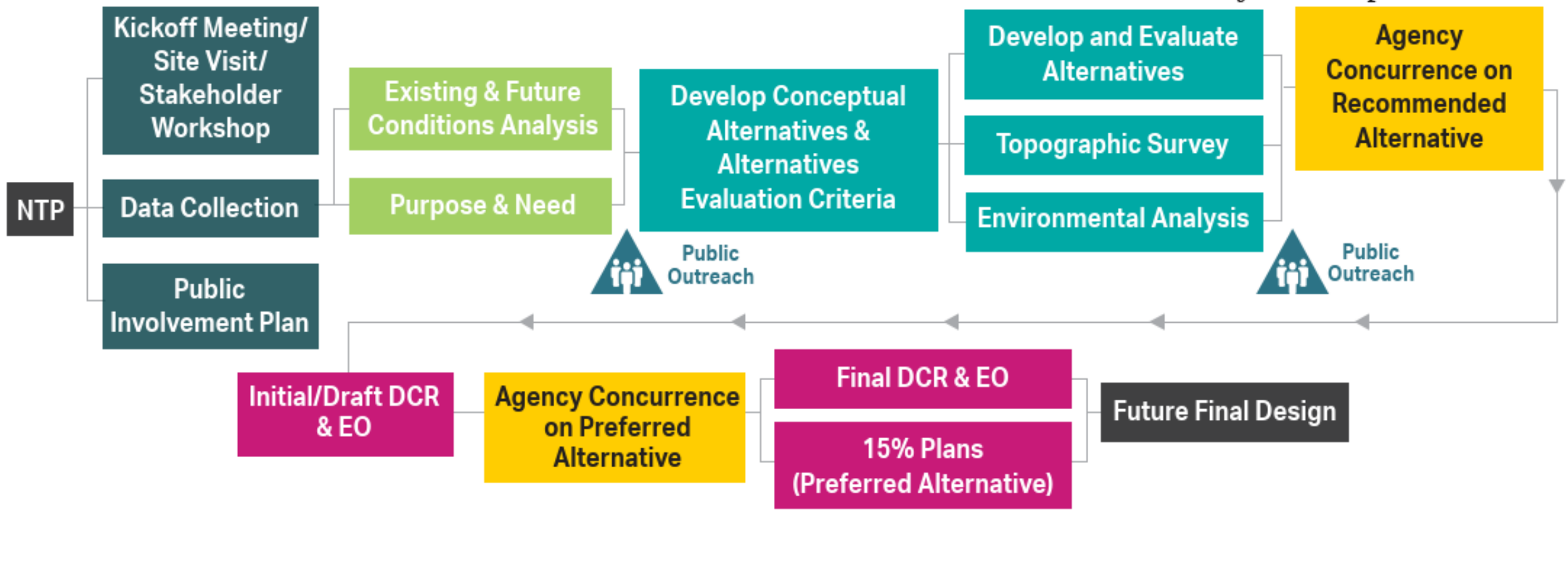
# Study Goals

- Establish Purpose and Need with Public Input
- Establish Benefit and Impacts of Corridor Implementation
- Identify Configuration for Potential Regionally Significant Route; Including Typical Section & Alignment
- Enhanced Public Involvement Process
- Inform Decision Making

# Study Needs



# Study Work Plan





# Study Work Plan – Project Meetings

- Monthly STAC Meetings
  - Virtual
  - In-person various times throughout project
- Field Review

# Study Work Plan – Roadway

- Establish Purpose and Need
  - Collect Existing & Future Data for Traffic and Pop/Employment
- Develop Design Criteria
- Conceptual Alternatives
  - Up to 5 Conceptual Alternatives
  - Focus on Horizontal and Vertical Alignment

# Study Work Plan – Roadway

- Build Alternatives
  - Up to 2 Build Alternatives & No-Build
  - Typical Sections, Recommended Intersection Locations, Multimodal Considerations, and Phased Implementation
- Alternatives Evaluation
  - Develop Evaluation Criteria
  - Evaluation & Identify a Recommended Alternative
  - Recommendation will Convert to Preferred Alternative Once Public Input has been Received

# Study Work Plan – Survey

- Request County 2-foot Contours
  - Initial Analysis & Conceptual Alternatives
- Collect 1-foot Topographic Survey (Aerotech)
  - Build Alternatives

# Study Work Plan – Geotechnical Investigation

- Preliminary Geotechnical Assessment
  - Existing Available Documents (geotechnical reports, studies, projects/record drawings)
  - Estimate Pavement and Geotechnical Needs
- Conceptual Pavement and Geotechnical Recommendations will be used for Cost Estimating in DCR and Roadway Alternatives

# Study Work Plan – Public Engagement Process

- 2 Public Open Houses
  - 3D Visualizations
- 2 Stakeholder Workshops
- Regular Updates to Project Website & Social Media Blasts
- 5 Miscellaneous Outreach Events such as HOA, CYMPO Board Meetings
- Public Involvement Plan Draft by 5/13/22 to CYMPO



# Study Work Plan – Public Engagement Process – Stakeholder Workshops

1. Planning & Transportation
  - a. ADOT District Engineer Representative
  - b. Prescott Representative (Public Works, Transportation, or Planning/Development)
  - c. Prescott Valley Representative (Public Works, Transportation, or Planning/Development)
  - d. County Representative (Public Works, Transportation, or Planning/Development)
2. Public Safety
  - a. City of Prescott Police
  - b. City of Prescott Fire
  - c. Town of Prescott Valley Police
  - d. Town of Prescott Valley Fire
3. Active Transportation
  - a. Prescott Alternative Transportation (PAT)
4. Developer/Owners
  - a. Storm Ranch
  - b. Yavapai Hills
  - c. Arizona State Lane
5. Growth Mitigation/Smart Growth
  - a. Save the Dells
6. Environmental & Wildlife
  - a. EMAC Chair
  - b. Citizens Water Advocacy Group
7. Economic Development & Tourism
  - a. Prescott Representative
  - b. Prescott Valley Representative
8. Homeowners
  - a. Yavapai Hills HOA Lead
  - b. Diamond Valley HOA Lead / Representative
9. Parks and Recreation
  - a. Prescott Representative
  - b. Prescott Valley Representative
10. Utility Providers
  - a. Arizona Public Service
11. Concerned Citizens Group
  - a. AARP
  - b. Youth Advisory Group

# Study Work Plan – Traffic Engineering Study

- Traffic Volumes
  - Counts Scheduled Next Week
  - Two TMC's, SR 69, Prescott Lakes Pkwy & Sundog
  - SR 69 TMC's assumed from the ASCT Report
  - Existing volumes, 2045 No-Build, & 2045 Build
- Traffic Analysis
  - O-D data for SR 89 and SR 69 interaction
  - Synchro Analysis of the Intersections
  - AM, PM, and One Weekend Peak
  - RITIS Travel Time Data from ADOT on SR 69
- Access Management
- Crash Analysis
- Traffic Report



# Study Work Plan – Drainage Design & Study

- Utilize Information from Diamond Valley ADMS
- Supplement with GIS Data from County/City
- Evaluate Efficiency of Wash Crossings as Roadway Develops
- Drainage Report
- 15% Plans (Preferred)
  - Horizontal Improvements

# Study Work Plan – Utility Coordination

- Existing Utility Basefile
- Document Potential Conflicts
- Engage Early
- Use RUCC Meeting to ensure full utility participation
- Corridor plan for future utility extensions (public/private)

# Study Work Plan – Right-of-Way

- Research Existing Right-of-way
  - County Assessor maps/GIS, subdivision plats, available record drawings
  - Development Plats current
- Anticipated Right-of-way Needs
  - Developed for 2 Build Alternatives

# Study Work Plan – Cost Estimates, 15% Plans, and DCR

- Cost Estimates
  - For the 2 Build Alternatives
- 15% Plans (Preferred Alternative)
  - Face Sheet, Typical Sections, Plan/Profile Sheets
- Draft and Final DCR
  - Document and Summarizes the Alternatives Process
  - Potential Funding Sources, Schedule, Other Considerations

# Study Work Plan – Environmental Overview

- Identify and Provide a Summary of Known Environmental Resources and Potential Risks
- Evaluate Existing Conditions to Identify and ‘fatal flaws’, obstacle issues, and sensitive areas
- Evaluate for Environmental Opportunities with Alternatives
  - Biological and Natural Resources
  - Water Resources
  - Hazardous Materials
  - Cultural Resources
  - Socioeconomic
  - Wildlife Coordination and EMAC

# Study Schedule & Milestones

Work Effort	Schedule
Project NTP	April 2021
Project Kick-off	May 10, 2022
Public Involvement Plan	May 2022
Traffic Counts	May 2022
Stakeholder Workshop #1	June 2022
Existing & Future Conditions Analysis (Task 2)	May - August 2022
Public Outreach Meeting #1 (Purpose and Need)	August 2022 (End of Summer)
Alternatives Development & Evaluation (Task 3)	September 2022 – March 2023
Stakeholder Workshop #2	November 2022
Public Outreach Meeting #2 (Alternatives and Recommended)	February 2023
STAC Concurrence on the Recommended	March 2023
Prepare Draft and Final DCR and EO	April –September 2023
Draft DCR and EO / Agency Concurrence on the Preferred	June 2023
Final DCR and EO	September 2023
Present Preferred Alternative to CYMPO Executive Board	September 2023

# Next Steps

- Obtain Input on Stakeholder Workshop Participants
- Submit Public Involvement Plan
- Begin Data Collection Activities
- Collect Existing Studies & Development Plans
- Evaluate Existing Conditions
- Evaluate Future Conditions
- Develop Design Criteria

# Open Discussion

Thank you

