



## Technical Working Group Topic Specific Meeting Highlights

### Meetings Held:

- May 22, 2024 – Air Quality
- May 22, 2024 – Utilities
- May 29, 2024 – Parkland and Bike/Ped
- June 5, 2024 – Water Quantity and Quality
- June 5, 2024 – Cultural and Historic Resources
- June 12, 2024 – Safety and Operations

### Project Team:

- Oscar Solis, Mobility Authority, Assistant Director of Engineering
- Jori Liu, Mobility Authority, Director of Communications
- Charlotte Gilpin, K. Frieze, Project Manager
- Zane Reid, AtkinsRéalis, Roadway Lead
- Ryan Ingram, AtkinsRéalis, Environmental Lead
- Ryan Hill, AtkinsRéalis, Environmental
- Alex Amponsah, AtkinsRéalis, Environmental
- Ruben Velasquez, AtkinsRéalis, Air Quality
- Gordon Anderson, Anderson Infrastructure, Utilities
- Heather Beatty, Cambrian, Water Quality
- Kemble White, Cambrian, Water Quality
- John Millsap, K. Frieze, Water Quality
- Geoffrey Elfers, K. Frieze, Water Quality
- Kelley Russell, AtkinsRéalis, Cultural Resources
- Dante Perez-Bravo, AtkinsRéalis, Traffic
- Cristina Tangredi, AtkinsRéalis, Public Involvement
- Hillary Lacy, AtkinsRéalis, Public Involvement

### Attendees:

- Austin Independent School District
- Austin High School
- BSEACD
- Bike Texas
- City of Austin
- City of Rollingwood
- Farm & City
- Hill Country Conservancy
- Preservation Austin
- Safe Streets Austin
- Save Barton Creek Association
- Save Our Springs
- Sierra Club
- Trail Conservancy
- Travis County
- TxDOT AUS District

## **Introduction:**

The MoPac South Team opened each meeting with an overview of what the Technical Working Group (TWG) will entail, including expectations and best practices.

The team continued with discussion on goals, objectives and evaluation criteria, and encouraged participants of the TWGs to share feedback on them as well as the process and approach that was reviewed.

For each topic specific meeting, federal, state, and TxDOT regulatory processes and requirements were shared as applicable, and discussion took place during a schematic walkthrough of elements relevant to the TWG topic.

## **5/22/2024 – Air Quality**

### **Mobility Authority Action Items:**

- Conduct research and request another meeting with TxDOT to discuss the studies requested below

### **Requested Considerations:**

- Stop project analysis until CAMPO and City of Austin finish their Air studies
- Reduce pavement (Eliminate non-tolled lanes)
- Conduct a Greenhouse Gas analysis
- Perform a PM 2.5 hot spot analysis, beyond just intersections
- Conduct a NOx and Ozone study
- Carry out a comprehensive Health and Safety Assessment
- Reconsider TDM/TDS
- Contribute financially to CAMPO Travel Demand Management Program

## **5/22/2024 – Utilities**

### **Mobility Authority Action Items:**

- Add definition to conflict matrix – measurements of pole relocations, assumed wall foundation depths; High priority waterlines (54" and 72" lines); Share conflict matrix
- Coordinate with City of Austin William Cannon Corridor Plan team
- Request known condition assessment and likely betterments due to age of infrastructure of CIP planning from the City of Austin
- Request as-builts for William Cannon area regarding underground duct bank
- Request pole attachment inventory from Austin Energy
- Request critical sag locations from Austin Energy
- Request City of Rollingwood Wastewater system maps

### **Requested Considerations:**

- Minimize underground relocations and infrastructure
- Keep same bridge alignments to reduce risk of utility conflicts

**Design and Construction Phase Considerations:**

- Improve safety illumination and consider light pollution in design
- Determine construction aerial protocols and coordinate with Austin Energy
- Consider SBCA trail proposals in construction planning

## 5/29/2024 - Parkland & Bike/Ped

**Action Items:**

COA:

- Offer pedestrian bridge solutions for Barton Springs Road and agency plan to the RMA to be considered
- Share lease duration and terms for boat rental areas that may conflict with dock access and project work
- Consider betterment partnership for paving unpaved community paths (e.g., Mottle Ln, etc)

Mobility Authority:

- Investigate manholes/utility conflicts with SUP at Convict Hill
- Reach out to COA for information about stability of Butler Landfill
- Coordinate with William Cannon Corridor Plan team
- Investigate hazardous material trap location known near bridge at Barton Creek
- Coordinate parkland boundaries during 4F
- Coordinate on location of Barton Springs ped crossing

**Requested Considerations:**

- Widen SUP/sidewalks where possible
- Maximizing separation between SUP and roadway (existing and new sections)
- Add more SUP/sidewalks on the west side, US 290, Loop 360
- Add trees/foliage where possible for shade (many of the sidewalk and SUP additions will force removal of mature trees and not allow space for replanting)
- Coordinate OHP improvements to ADA ramps and paths at US 290 intersection
- Review of ADA paths, smart rights at all interchanges/intersections
- Brainstorm ways to work with COA on connecting to TBC Trail at Southwest Parkway
- Utilizing unused roadway pavement for bike/ped facilities
- Rebuild the 8 ft SUP near Barton Skyway wider
- Coordinate with COA regarding fencing at Zilker
- Coordinate during 4f consultations noise barriers/betterments

### **Design and Construction Phase Considerations:**

- Consider new drainage pattern on east side of the VCT at Williamson Creek bridge crossing north of William Cannon
- Investigate raised crosswalk at William Cannon
- Add wayfinding signage
- Crazy ant preventative measures
- Cave protection enhancements
- Add safety lighting under bridges where light is eliminated by widening
- Tree mitigation
- Inspect river bottom and shores to remove construction debris wherever there's access/activity
- Maintain boat access on shores
- Follow up on status and content of TxDOT and COA interagency maintenance agreement

## **6/5/24 – Water Quantity & Water Quality**

### **Mobility Authority Action Items:**

- Reach out to COA for information about stability of Butler Landfill
- Request COA studies on proprietary WQ measures
- Provide public access to water quality studies when drafts are completed

### **Requested Considerations:**

- Include POI beyond ROW outfalls such as spring receptors and trail damage considerations in the assessment
- Consider the changes in runoff volume rather than only peak flow in the impact analysis
- Coordinate with USFWS on species consultation soon
- Fund Water Quality indicator well monitoring and enhanced cave protection measures
- Include indicator constituents identified in the SOS ordinance for the Austin Blind Salamander and Barton Springs Salamander
- Include enhanced protections near Whirlpool Cave
- Include hazardous material trap located downstream of Williamson Creek in the schematic assessment
- Share noise analysis when it is complete, specific request regarding Shudde Fath Tract
- Reduce depth of ground/grade disturbance

### **Design and Construction Phase Considerations:**

- Coordinate with COA to obtain updated watershed-level models when available, which is anticipated to be 2026
- Use of existing topsoil for revegetation
- Coordinate with Parks for detailed considerations about trail erosions issues within or directly adjacent to the ROW
- Coordinate with COA regarding void mitigation standard details and protocols to supplement our primary source which is the TxDOT Void Mitigation Standards

## 6/5/24 – Cultural & Historic Resources

### **Action Items:**

#### Mobility Authority:

- Prepare information request to the COA for:
  - Historical and cultural resources resource inventory
  - Environmental level 1 ESA findings for Zilker Park
  - Public art inventory
- Initial 4F coordination
  - Include preliminary noise analysis results
  - Update parkland boundaries
  - Coordination on Botanical Garden fence adjustments

#### SOS:

- Send resources from Zilker Neighborhood association regarding Butler Landfill

### **Requested Considerations:**

- Avoid disturbing existing public art installations
- Preserve trees where possible, while the conflicts with competing interests of mobility, particularly SUP was recognized

### **Design and Construction Phase Considerations:**

- Include cultural informational signage on SUP in addition to wayfinding signage
- Develop details for tree mitigation
- Coordinate with PARD on trail erosion and resource notifications for closures

## 6/12/24 – Safety/Operations

### **Action Items:**

#### COA:

- Check corridor plan to see if improvements can be made for shopping traffic exit west of MoPac on William Cannon
- Determine if signal betterment is needed at Barton Skyway intersection

Mobility Authority:

- Coordinate with William Cannon Corridor Plan team
- Coordinate with COA on Convict Hill pavement or striping adjustments
- Coordinate with COA on Davis Lane pavement or striping adjustments

**Requested Considerations:**

- Implement smart right turns and raised crossings where feasible
- Add more SUP/sidewalks on the west side: US 290, LP 360, Gaines Ranch to William Cannon
- Add more pedestrian paths at US 290 & LP 360 interchanges. Completing the box should be a minimum.
- Put bike/ped as far away from travel lanes as possible
- Utilize concrete barriers and tree buffers for safety and noise mitigation, particularly at Slaughter Ln.
- Coordinate with COA on signal options
- Consider raised pedestrian crossing at the looped entrance ramp north of the river
- Consider Brakenridge tract access to MoPac northbound

**Design and Construction Phase Considerations:**

- The Mobility Authority committed to initiating interagency coordination for Bee Caves Intersection
- Coordinate with TxDOT regarding crossing at Rollingwood Drive