**March 7th - Camino Del Rio Design Charrette Agenda**

<table>
<thead>
<tr>
<th>Time</th>
<th>Description</th>
<th>Lead Org</th>
<th>Speaker</th>
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</thead>
<tbody>
<tr>
<td>1:00pm - 1:30pm</td>
<td>Welcome and Storyboards</td>
<td>SEH and City of Durango</td>
<td>Steve Winters, Devin King, Sarah Hill</td>
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<tr>
<td>1:30pm - 2:00pm</td>
<td>Introductions and Presentation</td>
<td>City of Durango</td>
<td>Devin King</td>
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<tr>
<td>2:00pm - 2:15pm</td>
<td>Schedule of Day and Current Alternatives/Design Criteria</td>
<td>SEH</td>
<td>Steve Winters and/or Steve Kaye</td>
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<td>2:15pm - 4:15pm</td>
<td>Group Activity - Look at Alignment Alts and Sketch Ideas</td>
<td>Stakeholders</td>
<td>City, SEH, PST to Assist as needed</td>
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<tr>
<td>4:15pm - 5:15pm</td>
<td>Group Presentation and Discussion of Sketch Ideas</td>
<td>SEH</td>
<td>Steve Winters</td>
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<td>5:15pm - 5:30pm</td>
<td>Next Steps</td>
<td>City of Durango</td>
<td>Devin King and/or Sarah Hill</td>
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**G O A L S**

1. Provide more information about project need *(City Presentation)*
2. Provide more information about initial project feasibility that was completed *(SEH & PST)*
3. Provide more information about the design criteria and approval process *(SEH)*
4. Receive input from stakeholders on alignment, design elements, and impacts *(Stakeholders)*
5. Receive input from stakeholders on the public process *(Stakeholders)*
Website for voting is: https://www.menti.com/
Code is: 7886 5336

**QUESTION 1**

<table>
<thead>
<tr>
<th>1 What are your Goals for Today? (pick 3)</th>
<th>Start of Day</th>
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<tbody>
<tr>
<td>Learn More about the project need</td>
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<tr>
<td>Learn more about the initial feasibility analysis that was completed</td>
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<td>Learn more the design and approval process.</td>
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<tr>
<td>Suggest an alignment, design element, or other technical input</td>
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<td>Give my opinion about what the process should look like</td>
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**QUESTION 2**

<table>
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<tr>
<th>2 What are your top priorities for the project? (pick 5)</th>
<th>Start of Day</th>
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<tbody>
<tr>
<td>Project Cost</td>
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<td>Safety</td>
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<tr>
<td>Ease of Access</td>
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<tr>
<td>Attractive Design</td>
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<td>Quick and easy construction</td>
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<tr>
<td>No Impacts to Businesses</td>
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<tr>
<td>Maintain 12th Street connection to Camino</td>
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<tr>
<td>Maintain Veterans Way connection to Camino</td>
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<tr>
<td>Access to specific property</td>
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<td>Public By-In</td>
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Purpose and Need
The City of Durango (City) recognizes the need to provide a safe and convenient crossing for pedestrians and cyclists between the ART and downtown Durango from 6th to 12th Streets. With a focus on safety and connectivity, this study furthers City Council goals to supply mobility (4.C) and enhance quality of life in Durango (2) (see Appendix A). These connections could also spur responsible in-fill growth and redevelopment along the Animas River corridor.

PST Study analyzed 6 Alternatives
1. Overpass South of 6th Street
2. Underpass at 6th Street
3. Underpass at 11th Street
4. Underpass from E 12th Street to Veterans Way
5. Underpass from E 12th Street to River City Hall
6. 12th Street Conversion to Fully Signalized Intersection (No Action Alt – Short Term Solution)

Alternative Costs (2020 Dollars)
1. Overpass South of 6th Street = $3,200,000
2. Underpass at 6th Street = $3,900,000
3. Underpass at 11th Street = $3,400,000
4. Underpass from E 12th Street to Veterans Way = $3,400,000
5. Underpass from E 12th Street to River City Hall = $3,000,000
6. 12th Street Conversion to Fully Signalized Intersection = $65,000

Demand and Ease of Use
Source: ITE 1998 Design and Safety of Pedestrian Facilities
1) “95 percent of pedestrians would likely use an underpass and 70 percent would likely use an overpass if the travel time were equal to the crossing time at-grade.”
2) “Virtually no one would use an overpass if it took 50 percent longer to cross than an at grade crossing.”
Demand and Ease of Use (Cont)
- Commuters from Crestview traveling to/from Downtown will make up a large percentage of those utilizing the proposed connection.
- An underpass located at 12th will capture a sizeable percentage of commuters from 9th Street
- The most direct route to/from Crestview & Downtown will utilize the Iris Park Bridge
- Additionally, Visitors to/from Downtown to/from ART will have improved access.

Conclusions (page 30)
1. From an engineering standpoint, all short-listed options investigated were feasible.
2. Options at 6th Street are likely too far south to attract current trail users, but with the construction of the Smart 160 Trail West connection to the ART the demand will increase.
3. There are on-going discussions regarding traffic signal installations at 11th and 12th Streets. These surface improvements could satisfy the need of providing safe and convenient access between downtown Durango and the ART in the short to mid-terms.
4. Implementing surface improvements as short-term solutions could allow time for the redevelopment picture to become clearer for the private and public parcels between 9th and 12th Streets. Future grade separated design efforts could be a collaboration between developers and the City, opening up new opportunities/configurations that are not currently being considered.
5. Based on existing conditions, 12th Street is the most appropriate location for a mid- to long-term solution. However, additional opportunities may be created by ongoing redevelopment within the corridor in the short-term. If the decision is made to advance these 12th St options, the first steps would be to approach the impacted property owners, secure CDOT’s concurrence, and verify the sanitary sewer conflict solutions.
DESIGN CRITERIA

Cross Sectional Elements
- 10’ Wide, 6” thick concrete paving with 2’ soft shoulder
- 6” of ¾” gravel (CDOT – ABC, Class 6)
- Drainage, Concrete Trail shall have a cross slope of 2%
  (use 1.5% to ensure ADA Compliance and not crowned)
- Soft Shoulder A 2:1 side slope will be considered where space is limited or on steep cross slopes.

Vertical Design
- Grades = 5% (target)
- Underpass shall have 14’-0” width
- Underpass shall have 8’-6” vertical clearance
- Structure will require an additional 2’ of depth (11’ to 12’)

Horizontal Design
- A design speed of 20 miles per hour shall be utilized in design of the trail unless otherwise specified by the City.
- The design speed for grades over 4% shall be increased to 25 miles per hour.
- The alignment shall preserve stands of existing vegetation whenever possible and minimize the amount of cut, fill, and retaining walls when practical.
  - 20 mph = 74-ft Radius
  - 25 mph = 115-ft Radius
**CONSTRAINTS WITHIN PROJECT AREA**

**Utilities**
- 21” Sewer Main
- 6” Water Main
- 24” Storm Drain
- 4” Gas Main

**Camino Del Rio (US 550)**
- Access to RCH
- Maintain ACP Improvements
- Reconstructed grades and Super Elevation
- Construction Impacts to US 550 (25,000 ADT)

**DSNGRR**
- Maintain existing rail grade and location
- Limit improvements within RR Clear Zone (12’)
- Limited construction window in fall (2 weeks)

**12th Street**
- Maintain Access to Camino Del Rio (DFPD)
- One-Way or Two-Way Traffic

**Town Plaza**
- Private property
- Avoid impacts to adjacent properties & businesses
- Avoid impacts to businesses

**Mill Tailings**
- Uranium Mill Tailings may be located within the project area
Veterans Way Underpass, maintain 12th Street connection to Camino Del Rio

1. Realign 12th Street – Narrow Section
2. Rebuild DSNGRR Crossing
3. Ramped Plaza Area
4. Realign parking along Narrow Gauge Ave
5. Egress Stairs
6. Eliminate Veterans Way at Camino Del Rio
7. Mini-bulb © end of Veterans Way at grade crossing for business access
8. New Trail Configuration in Iris Park to discourage at Grade Crossings of Camino and promote underpass use
9. Modify Back County Experience Access to North
10. Cross Walk and Grade Adjustment
River City Hall Underpass, maintain 12th Street connection to Camino Del Rio

1. Rebuild DSNGRR Crossing
2. Realign 12th Street – narrow section
3. Maintain Joe’s Parking Area
4. Ramped Plaza Area
5. Egress Stairs
6. New Cross Walk @ River City Hall
7. No Modifications to Back County Experience Access
8. Art and Plaza Area
9. Potential Terraced Seat Wall
10. No Change to Veterans Way
River City Hall Underpass, maintain 12th Street connection to Camino Del Rio

1. Rebuild DSNRRA Crossing
2. Egress Stairs
3. Maintain 12 Street Connection to Camino Del Rio
4. Maintain connection to Alley and existing commercial businesses
5. Art and Plaza Area
6. No Change to Veterans Way
7. New Cross Walk at River City Hall
8. No Modification to Back County Experience Access
9. Plantings at eliminate of at grade access to Camino Del Rio
10. New Cross Walk at 12th Street
Veteran's Way Underpass, maintain 12th Street connection to Camino Del Rio (One-Way)

1. Maintain 12th Street Connection with One-Way access
2. Rebuild DSNRR Crossing
3. Realign parking along Narrow Gauge Avenue
4. Egress Stairs
5. Underpass under 12th Street
6. Eliminate Veterans Way at Camino Del Rio
7. Mini-bulb @ end of Veterans Way at grade crossing for business access
8. New Trail configuration in Iris Park to discourage at grade crossings of Camino and promote underpass use
9. Modify Back County Experience access to North
10. New Cross Walk at 12th Street
CITY OF DURANGO
DESIGN SCHEDULE

Spring 2022 – Compile Charette Information
Spring 2022 – Survey of Properties
Spring 2022 – 30% Design Geometry
Summer 2022 – 30% Public Meeting
Summer 2022 – 60% Plans
Fall 2022 – 60% Public Meeting
Fall 2022 – 90% Plans
Winter 2022/2023 – Final Plans and Bid Package
**FOLLOW UP QUESTIONS**

**QUESTION 3**

<table>
<thead>
<tr>
<th>3 What did you learn about today?  (pick 3)</th>
<th>End of Day</th>
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<tbody>
<tr>
<td>Need for Project</td>
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<tr>
<td>Estimated Project Costs</td>
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<td>Design and Approval Process</td>
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<td>Project Schedule</td>
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<tr>
<td>Challenges and Constraints for the Project</td>
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<tr>
<td>Others Opinion of the Project</td>
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<td>Other</td>
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**QUESTION 4**

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<tr>
<th>4 What would you like to learn more about in the future  (pick 3)</th>
<th>End of Day</th>
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<td>Need for Project</td>
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<td>Other</td>
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**QUESTION 5**

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<thead>
<tr>
<th>5 What are you most excited about with this project?  (pick 3)</th>
<th>End of Day</th>
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<tr>
<td>Artistic design opportunities</td>
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<td>Safe and convenient crossing</td>
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<td>Increased access to Downtown</td>
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<td>Increased access to River Trail</td>
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<td>A Fun Crossing</td>
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<td>Beautification of Camino</td>
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<td>Free-flowing Camino Traffic</td>
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<td>Other</td>
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