Agenda Item 1: Introductions

Hydraulic Planning Advisory Panel members

Technical Team members
Agenda item 2: Public Interaction and Feedback

YouTube Views (Previous Meeting)

Jan. 11, 2018

- YouTube Views: 47
Agenda item 2: Public Interaction and Feedback (continued)

For the period January 11 – January 24, 2018  

- None
Agenda item 2: Public Interaction and Feedback (continued)

For the period January 11 – January 24, 2018

Website input

- None
Agenda item 3: Response to Panel Feedback

- Public information meeting(s) on transportation scenarios (Agenda Item 6)
- Provide examples of existing grade separated roundabouts (Agenda Item 4)
- Upgrade aerial base to match existing conditions (new aerial incorporated)
- Provide construction cost estimates for 3 scenarios (Agenda Item 4)
- Additional information requested on bike/pedestrian accommodations and incorporate into evaluation matrix (Agenda Item 4)
- Depict property access changes for each scenario (Agenda Item 4)
Agenda item 4: Transportation Progress Update

Progress since last meeting:

- Examples of Grade-Separated Roundabouts
- Bike and Pedestrian Concepts for All Scenarios
- Inventory of Access Changes for All Scenarios
- Scheduling of Projects for All Scenarios
- Opinion of Costs for US 29/Hydraulic Road Intersection Improvements
Scenario 3: Grade Separated Roundabout

Real-World Examples
Agenda item 4: Transportation Update – Grade Sep. Examples
Agenda item 4: Transportation Update – Grade Sep. Examples

Source: Google
Agenda item 4: Transportation Update – Grade Sep. Examples
Agenda item 4: Transportation Update – Scenario 3: Grade Sep. Roundabout
Bike and Pedestrian Accommodations
Rt 29 Solutions

Agenda item 4: Transportation Update – Bike/Pedestrian Accommodations

Scenario 1 – Option 1

Legend
- Shared-Use Path / Sidewalk
- Aerial Ped Crossing
- Unsignalized At-Grade Ped. Crossing
- Barrier Separating Vehicle and Ped.

Considerations
- Popularity of a pedestrian overpass
- Connects all four quadrants of intersection
- Crossing of right-turn lanes are at-grade and unsignalized
Agenda item 4: Transportation Update – Bike/Pedestrian Accommodations

Scenario 1 – Option 2

Legend
- Shared-Use Path / Sidewalk
- Pedestrian crossing below US 29 and at-grade with Hydraulic Rd.

Considerations
- No crossing of Hydraulic Rd.
- Only one crossing of US 29.
- Only vehicle conflict is signalized (US 29 SB left turn).
- Getting grades to the pedestrian underpasses may be difficult.
Agenda item 4: Transportation Update – Bike/Pedestrian Accommodations

Scenario 1 – Option 3

Legend
- Shared-Use Path / Sidewalk
- Pedestrian crossing below US 29 and at-grade with Hydraulic Rd.
- Unsignalized At-Grade Ped. Crossing
- Barrier Separating Vehicle and Ped.
- Ramp System from US 29 to Hydraulic Rd.

Considerations
- Connects all four quadrants of intersection.
- One vehicle conflict is signalized (US 29 SB left turn).
- Ramp system may not be inviting for bikes.
- Crossing of right-turn lanes are at-grade and unsignalized.
Agenda item 4: Transportation Update – Bike/Pedestrian Accommodations

Scenario 2

Legend
- Shared-Use Path / Sidewalk
- Dedicated Bike Lane
- Pedestrian Cross Walk
- Pedestrian Refuge Area

Considerations
- Accommodations for Bikes and Pedestrians
- Access to all four quadrants of intersection
- Signalized crossings of US 29 and Hydraulic Rd
- Close proximity to vehicle traffic

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Agenda item 4: Transportation Update – Bike/Pedestrian Accommodations

Scenario 2
Agenda item 4: Transportation Update – Bike/Pedestrian Accommodations

Scenario 3

Legend
- Shared-Use Path / Sidewalk
- Pedestrian Crosswalks

Considerations
- Connects all four quadrants of intersection.
- Bicycles may dismount and proceed on shared-use path / sidewalk or ride with traffic.
- Pedestrian crossings are at-grade and unsignalized.
Agenda item 4: Transportation Update – Bike/Pedestrian Accommodations

Scenario 3 – Example Bike and Pedestrian Roundabout Routing
Agenda item 4: Transportation Update – Roundabout Navigation-Boise, ID
Agenda item 4: Transportation Progress Update (continued)

Property Access Comparison
Agenda item 4: Transportation Update – Access Changes for Scenario 1
Agenda item 4: Transportation Update – Access Changes for Scenario 2
Agenda item 4: Transportation Update – Access Changes for Scenario 3

Legend
- No Change
- Modified / Uncertain
- Closed
- Potentially Modified Access
Agenda item 4: Transportation Update – Comparison of Access Changes
Agenda item 4:  Transportation Progress Update (continued)

Scheduling elements of Scenarios
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Agenda Item 4: Transportation Update – Potential Project Scheduling: Scenario 1

Smart Scale Submission Year
2018
A+B+C / H*

2020 – 2026
E / F*+G*

2028 – 2040
D

*Could be stand-alone element. May be submitted separately at any time.

A. US 29 & Hydraulic Rd. Intersection Improvement
B. Hydraulic Rd. & District Ave. Roundabout
C. Hydraulic Rd. & Hillsdale Ave. Roundabout
D. Zan Rd. Grade-Separated Connection
E. Angus Rd. Grade-Separated Intersection and Signalized U-Turn
F. Hillsdale Dr. Connection to Holiday Dr.
G. Relocation of WB U.S. 250 Ramps to Hillsdale Extension
H. Extend EB U.S. 250 left-turn lane at Hydraulic Rd.
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Agenda Item 4: Transportation Update – Potential Project Scheduling: Scenario 2

**Smart Scale Submission Year**
- **2018**: A / B* / H*
- **2020 – 2026**: C / E / F*+G*
- **2028 – 2040**: D

*Could be stand-alone element. May be submitted separately at any time.*

**Projects**:
- A. US 29 & Hydraulic Rd. Intersection Improvement
- B. Hydraulic Rd. & District Ave. Roundabout
- C. Hydraulic Rd. & Hillsdale Ave. Roundabout
- D. Zan Rd. Grade-Separated Connection
- E. Angus Rd. Grade-Separated Intersection and Signalized U-Turn
- F. Hillsdale Dr. Connection to Holiday Dr.
- G. Relocation of WB US 250 Ramps to Hillsdale Extension
- H. Extend EB US 250 left-turn lane at Hydraulic Rd.
Agenda Item 4: Transportation Update – Potential Project Scheduling: Scenario 3

Smart Scale Submission Year
2018
- A / B* / H*

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2028 – 2040
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G. Relocation of WB US 250 Ramps to Hillsdale Extension
H. Extend EB US 250 left-turn lane at Hydraulic Rd.
Agenda item 4: Transportation Progress Update (continued)

Opinion of Probable Costs
Agenda item 4: Transportation Update – Preliminary Opinion of Costs

<table>
<thead>
<tr>
<th>Project Scenarios</th>
<th>Opinion of Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Construction of All Other Projects</td>
</tr>
<tr>
<td>Scenario 1 “Grade-Sep Intersection”</td>
<td>$29M - $35M</td>
</tr>
<tr>
<td>Scenario 2 “CFI”</td>
<td>$9.5M - $12M</td>
</tr>
<tr>
<td>Scenario 3 “Grade-Sep Roundabout”</td>
<td>$40M - $48M</td>
</tr>
</tbody>
</table>

Legend:
- **Green**: Lower cost
- **Yellow**: Middle cost but still significant
- **Red**: Higher cost

1) Costs are only for work at US 29 & Hydraulic Rd. (Noted as “A” on scheduling slide.)
2) Not inclusive of bike and pedestrian elements shown previously.
3) Equal to the utility relocation required for the Rio Rd. project. Price may change upon further investigation.
### Agenda item 4: Transportation Update – Scenario Evaluation

<table>
<thead>
<tr>
<th>Project Scenarios</th>
<th>Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Average Travel Time AM / PM (Min)</td>
</tr>
<tr>
<td>2045 “No-Build”</td>
<td>4.7 / 5.4</td>
</tr>
<tr>
<td>Scenario 1 “Grade-Sep Intersection”</td>
<td>2.8 / 3.0</td>
</tr>
<tr>
<td>Scenario 2 “CFI”</td>
<td>3.0 / 3.1</td>
</tr>
<tr>
<td>Scenario 3 “Grade-Sep Roundabout”</td>
<td>3.1 / 2.9</td>
</tr>
</tbody>
</table>

- **Positive Impact**
- **Negative Impact**
- **Both Positive & Negative or Limited in Positive / Negative Impact**

*Basis of comparison only. May not be representative of sustainable build-out*
Next Steps:

- Review of Land Use and Transportation Interaction
- Finalize Bike & Ped Accommodations
- Opinion of Costs for Remaining Projects
- Complete Evaluation Matrix
### Agenda Item 5: Phase 2 Upcoming Tasks

<table>
<thead>
<tr>
<th>Task</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Significant Completion of Technical Work</td>
<td>FEB 22</td>
</tr>
<tr>
<td>2) Complete Alternative Comparison Table</td>
<td>MAR 1</td>
</tr>
<tr>
<td>3) SMART SCALE Application Intake Opens</td>
<td>MAR 1</td>
</tr>
<tr>
<td>4) Select Preferred Alternative(s) / Project Phasing</td>
<td>MAR 8</td>
</tr>
<tr>
<td>5) City / County Approval of SMART SCALE Projects</td>
<td>MAR/APR</td>
</tr>
<tr>
<td>6) Submit Initial List of Projects to SMART SCALE</td>
<td>APR</td>
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<tr>
<td>A) Identify the Needs Met by Submitted Projects</td>
<td></td>
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<tr>
<td>B) Initiate Evaluation of SMART SCALE Criteria</td>
<td></td>
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<tr>
<td>7) SMART SCALE Application Creation Deadline</td>
<td>JUN 1</td>
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<tr>
<td>8) Complete SMART SCALE Applications</td>
<td>JUL</td>
</tr>
<tr>
<td>9) SMART SCALE Submission Deadline</td>
<td>AUG 1</td>
</tr>
</tbody>
</table>
Agenda Item 6: Panel open discussion and request for future agenda items

Public Meeting Strategy

• Provide a single Citizen Information Meeting
• Present the “Preliminary Recommendation” from the panel
• Also present the other two scenarios and explain the reasoning and process for selecting the “Preliminary Recommendation”
• Include an informal discussion period at boards / stations for each scenario
• Receive public input (comment sheets, dialog with staff at boards, standard comment period, etc.)
• Review and discuss public input with the panel
• Share public input with elected officials in Board / Council settings
• Revise recommendations as needed, based on input received
• Develop, document and publish “Final Recommendations”
Agenda Item 7: New business and wrap up

Agenda item 8: Adjourn
Rt 29 Solutions Hydraulic Planning Advisory Panel

January 25, 2018