Technical Team Meeting #19
October 22, 2018
CDOT I-70 Mountain Corridor

WB I-70 Peak Period Shoulder Lane Project
1. INTRODUCTIONS AND OVERVIEW

2. PROJECT TT CHARTER

3. RESPONSES TO TECHNICAL TEAM ISSUES

4. OUTCOMES FROM ISSUE TASK FORCE MEETINGS

5. OUTREACH SUMMARY

6. FOLLOW UP
   - Report Out
   - Air Quality
   - Box Culvert
   - I-70 Greenway Crossing

7. DISCUSS PROPOSED SOLUTIONS
   - ROD Compatibility
   - Concept of Operations / MOU / HPTE Role
   - 1041 Documentation Needed
   - Enforcement
   - Truck Operations
   - Snow and Sand Removal

8. OUTSTANDING ISSUES

9. DEVELOP CRITERIA FOR

10. NEXT STEPS
    - Upcoming Meetings
    - Parking Lot
INTRODUCTIONS AND OVERVIEW
PROJECT UPDATES

- Floyd Hill
- Region 3 Vail Pass
- Idaho Springs Transit Center
- Colorado Boulevard Reconstruction
- Clear Creek Greenway
- Fall River Road Bridge
- Smart 70 / RoadX
- Geohazard Mitigation Program
- INFRA Grant
- Variable Speed Limit
- Concept of Operations
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<th>MAY</th>
<th>JUNE</th>
<th>JULY</th>
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<tr>
<td>5/14 TT #14</td>
<td>6/12 CR 314 ITF</td>
<td>8/8 TT #17</td>
<td>9/12 TT #18</td>
<td>10/10 TT #19</td>
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<td>Water Quality</td>
<td>Environ Impact &amp; Mitigation Information</td>
<td>ROD Compatibility</td>
<td>Present Final Design Details</td>
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<td>Focus Area 3</td>
<td>SCAP</td>
<td>Rock cut Treatment</td>
<td>Assurance</td>
<td>1041</td>
<td>Lessons Learned</td>
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<td>Barrier (Intro)</td>
<td>Drainage</td>
<td>Rock cut Treatment</td>
<td>Construction</td>
<td>ConOps</td>
<td>Parking Lot Issues</td>
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<td>5/23 TT #15</td>
<td>6/22 Water Quality</td>
<td>7/13 ALIVE Mtg #4</td>
<td>Draft Con Ops</td>
<td>Section 106 ITF</td>
<td>9/13 Public Meeting</td>
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<td>6/21 FIR</td>
<td>7/11 TT #16</td>
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<td>6/9</td>
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<td>SCAP</td>
<td>6/14 Idaho Springs Community</td>
<td>7/17 CR 314</td>
<td>ROD</td>
<td>Final Con Ops</td>
<td>11/15 FOR Meeting</td>
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PROJ ECT ELEMENTS DISCUSSION

- October TT
  - ROD Compatibility
  - Concept of Operations / MOU / HPTE Role
  - 1041
  - Enforcement
  - Truck Operations
  - Snow and Sand Removal
- November TT
  - Final Design Details
  - Lessons Learned
  - CSS Transition
  - Parking Lot Issues
FOLLOW UP
FOLLOW UP

- Public Meeting – 9/13/18
- CR314 ITF #3 – 9/19/18
- Stakeholder check-in – 10/10/18
AIR QUALITY

- CDPHE – Air Pollution Control Division
  - Monitoring hasn't been done in the CCC area since 1980; discontinued because showed no cause for concern.
  - Monitoring for PM$_{10}$ was done in Vail and ended after 2001. That area is also in a valley with no concerns.
  - Denver near-road monitors in areas with significantly higher vehicles per day not showing many exceedances (I-25/Yuma, I-25/9th, 49th/Acoma, etc.)
  - If a good case was presented, APCD would do modeling to determine if implementing a monitor(s) is warranted.

FOLLOW UP
AIR QUALITY

- Twin Tunnels – PM$_{10}$ monitoring
  - Demonstration project to show blasting/construction impacts
  - Collected pre-blasting baseline data during Late February and March 2013
  - 2 monitors - CR 314 just SW of I-70 at Clear Creek bridge crossing at MP 241.76 and SW fenceline of Hidden Valley Maintenance Yard
  - Blasting occurred between April and August 2013
    - PM$_{10}$ standard = 0.150 mg/m$^3$
    - Baseline = 0.018 mg/m$^3$
    - Blasting highest = 0.026 mg/m$^3$
AIR QUALITY

- Swansea Air Monitor at Swansea Elementary School
  - Demonstration project to show construction impacts
  - Collected baseline data prior to Central 70 construction
  - Monitoring PM$_{10}$, PM$_{2.5}$, NO$_2$, CO, Black Carbon, and VOCs
  - Four quarters of data (1 year) as of September 2018
    - 1$^{st}$ two quarters - No exceedances
    - 2$^{nd}$ two quarters - PM$_{2.5}$ standard exceeded on 9/4/17, 11/10/17, 1/8/18, and 2/22/18
      - Attributed to wildfires on 9/4/17 and strong inversions for the others
BOX CULVERT DRAINAGE

- Add sloped bottom
- Lighting
GREENWAY UNDER I-70

- **Slope**
  - Dig out dirt, add curbing, and add in 6” cobble
- Pedestrian railing on both sides
- New concrete pavement
- Lighting
  - Replace existing lighting with LED lights

FOLLOW UP
IDAHOT SPRINGS SIGNAGE

- Remove Business 70 Shield from Sign
- Add 2 post sign for Historic sign at station 635+00
- Look at spelling out “Spgs”
  - This is how it is spelled around the state
  - Require new signs and post foundations
- Look at adding Idaho Springs to Exit 240 signs EB and WB
  - Require new signs and structures
- NEXT EXIT 7 MILES static sign on the Entrance gantry for Local Access notification
DISCUSS PROPOSED SOLUTIONS
1. What specific FHWA NEPA Categorical Exclusions are being considered or applied to the Fall River Project? Greenway Project? WB PPSL?
   a. Does FHWA have a definition of and specific regulations for preparing a “Documented” Cat Ex?
2. How do CDOT and FHWA define “significant impact” in the NEPA context?
   a. For instance, does the analysis of whether a proposed project has “significant impacts” consider the resulting impacts of a project as mitigated? Will the definition of what is a “significant impact” include an analysis on impact to travel patterns, recreational resources, growth, or land use?
ROD COMPATIBILITY

3. FHWA and CDOT have indicated “Late October” for a decision on “ROD compatibility” - What specific factors will go into FHWA's decision on WB PPSL’s ROD compatibility?
   a. Is the WB PPSL project considered a “non-infrastructure” component of the ROD? What are the threshold, factors, considerations for determining that something is an “infrastructure” highway improvement project under the ROD?
MOU / FINAL CONCEPT OF OPERATIONS

- Hours of Operation
  - Previously presented at August TT
    - 125 days / 1,183 hours
  - Current Estimate - MOU/Con Ops
    - 125 days / 965 hours
  - Eastbound for Comparison
    - 100 days / 1,168 hours
- Vehicle Restriction – Con Ops
- Language related to CSS/ROD involvement, if anything in the MOU/Con Ops changes
- Next Steps – Final Drafts for 1041 in Mid November?
HPTE’s Role

- Eastbound MEXL Funding and Tolling Coordination
  - Set toll rates ($3 - $30, typically between $4 and $7)
  - Filled a $23 million funding gap with a commercial loan
  - Track operations of the Express Lane
  - Lead on toll equipment installation and testing

- Westbound MEXL Tolling Coordination
  - Set toll rates
  - No funding gap
  - Track operations of the Express Lane
  - Lead on toll equipment installation and testing
1041 DOCUMENTATION AND SCHEDULE

- Documentation needed
  - City – Executive Summary with NEPA Doc and 90% Plans as appendixes
  - County – TBD

- General Schedule (for City)
  - Mid October – Outline for initial comment
  - Early to Mid Nov – Package Submittal
  - Late Nov/Early Dec – Response and addressing comments
  - Early Dec – Resubmit to City for 30 day public comment period
  - Mid-January – City Council hearing for approval (January 14th – Tentative)
1041 PROJECTS

- Idaho Springs
  - WB PPSL
- County
  - INFRA Package 1 - WB PPSL and Fall River
  - INFRA Package 2 - CR 314
- Greenway Approach?

DISCUSS PROPOSED SOLUTIONS
OTHER

- Enforcement
  - The Colorado State Patrol (CSP), CDOT and HPTE announced increased safety enforcement along the I-70 mountain corridor
- Truck Operations
- Snow and Sand Removal
NEXT STEPS
CSS Tracking Tool
NEXT STEPS

- **NEXT TT/ PLT MEETING** - November 14, 2018
- Greenway ITF - November 14, 2018
- FOR Meeting - November 15, 2018
PARKING LOT ISSUES

- Improved construction quality
- Better define CSS during construction
  - Improved communication
  - Improved traffic control
  - Improved safety
  - School District issues during construction
- Modeling projections vs actual impacts/public health issues (i.e., air quality, noise, vehicular trips)