State Project No. 51-274

Intersection Improvements on Colt Highway (US Route 6 and SR 531) at the I-84 Eastbound Entrance Ramp

Town of Farmington

Public Informational Meeting
December 4, 2019
Civil Rights

• No Person shall, on the basis of race, color or national origin, be excluded from participation or subject to discrimination in the development of this project.

• We look forward to your feedback:
  Please take our Public Meeting Demographic Survey so that we may continue to improve our public outreach efforts. You can access the survey at the link below.

Demographic Survey Link:
https://www.surveymonkey.com/r/CTDOTDemographicSurveyProject0051-0274
Project Representatives

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Mr. William Hogan
Design Engineer
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Meeting Overview

• General Project Information
• Project Location
• Existing Conditions
• Crash Data
• Proposed Improvements
• Other Considerations
General Project Information

• Project initiated in 2017

• Purpose & Need:
  o To reduce the occurrence of high speed crashes and congestion at the intersection of Colt Highway and the I-84 Eastbound Entrance Ramp.
General Project Information

• Project Construction Cost Estimate: $3,950,000

• Funding Source:
  o Surface Transportation Program – Hartford
    • 20% State Funds
    • 80% Federal Funds

• Project Schedule:
  o Design Completion Date: December 23, 2020
  o Advertising for Construction: January 20, 2021
  o Construction: Spring 2021
Project Location
Existing Conditions
Existing Conditions

Colt Highway Westbound approaching right turn onto I-84 on-ramp
Existing Conditions

Colt Highway Westbound approaching intersection (Eastbound opposing traffic does not stop)
Existing Conditions
Existing Conditions

Colt Highway Westbound right turn onto I-84 on-ramp

Stopped drivers are forced to merge with vehicles approaching at a high rate of speed from the west
Existing Conditions
Existing Conditions

Colt Highway Eastbound approaching intersection
Existing Conditions

Eastbound drivers are allowed to continue through intersection unimpeded and at a high rate of speed.

Colt Highway Eastbound Intersection
Existing Conditions
Existing Conditions

I-84 Eastbound on-ramp

Queued Traffic waiting for gaps to merge
Traffic Conditions

Current configuration creates congestion in the westbound approach to the intersection which backs up onto South Road.

Source: Google Maps
Crash Data

- Reported Crashes (01/01/2016 to 12/31/2018)
  - Total number of crashes: 31
  - Total number injuries: 17

<table>
<thead>
<tr>
<th>Type of Crash</th>
<th>No. of Crashes</th>
<th>Percentage (%)</th>
<th>No. of Injuries</th>
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<tbody>
<tr>
<td>Rear-End</td>
<td>19</td>
<td>61%</td>
<td>9</td>
</tr>
<tr>
<td>Angle</td>
<td>7</td>
<td>23%</td>
<td>8</td>
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<tr>
<td>Other Type</td>
<td>5</td>
<td>16%</td>
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Crash Data

STATE PROJECT NO. 00S1-0274
CRASH DATA (JAN. 2016 TO DEC. 2018)
INTERSECTION IMPROVEMENTS ON COLT HIGHWAY
(ROUTE 6 & SR 531) AT I-84 EASTBOUND ENTRANCE RAMP

LEGEND
- 31 TOTAL NUMBER OF CRASHES
- 17 TOTAL NUMBER OF INJURIES
- 19 REAR-END
- 7 ANGLE
- 7 SIDESWIPE - SAME DIRECTION
- 6 FIXED OBJECT
- 6 MOVING OBJECT
- 3 OUT OF CONTROL
Crash Data

Angle crashes related to speed differential

Rear-end crashes related to congestion experienced in this area
Proposed Improvements

• Relocating the intersection to the west to create a traditional “T” intersection

• Providing dedicated turn lanes onto the I-84 EB Entrance Ramp from Colt Highway

• Providing two traffic lanes on the I-84 EB Entrance Ramp

• Upgrading roadside barrier within project limits
Proposed Improvements

Existing pavement footprint outlined with dashed black line

Approximate Wetland Limits

Cut and fill areas show grading limits for the project
Proposed Improvements

Two Lanes on I-84 ramp section

Added Right turn lane

Raised bituminous island provides a visual queue for approaching vehicles to slow down

Left turning vehicles approach a more natural “T” intersection

Westbound through traffic does not stop

Left turning drivers yield to westbound through traffic
Other Considerations

• Environmental:
  o DOT Office of Environmental Planning preliminary finding of no adverse environmental impacts

• Rights-of-Way:
  o No Right of Way involvement

• Utilities:
  o No underground utility impacts anticipated
  o No overhead utilities to impact

• Construction:
  o Estimated Construction Duration – 1 Year
  o Temporary Ramp closures (nights and weekends)
Thank You!

Comments or Questions?
Please contact:

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Newington, CT 06131-7546

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Comments are appreciated by: December 30, 2019
Please reference in subject: State Project 0051-0274