CITY OF LOGAN
1400 NORTH 600 WEST INTERSECTION & ROADWAY CAPACITY IMPROVEMENT

Council of Governments 2018 - Road Project Application
City of Logan
Tom Dickinson - Project Manager

1400 NORTH 600 WEST INTERSECTION & CAPACITY IMPROVEMENT

• Location
• Need
• COG Eligibility
• Description
• Right-of-Way
• History
• Financial Estimates
• Q&A

1400 NORTH 600 WEST INTERSECTION & CAPACITY IMPROVEMENT - location

Utah State University
Bridgerland Technology College
Cache County Bus Depot
Cache Valley Mall
Walmart
Intermountain Health Care

1400 NORTH 600 WEST INTERSECTION & CAPACITY IMPROVEMENT - need

Present 4 Way stop (E/W) LOS D/F

<table>
<thead>
<tr>
<th>Location</th>
<th>Average Daily Traffic (Vehicle)</th>
<th>LOS (D/F)</th>
<th>LOS (E/W)</th>
<th>LOS (Total)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
<td>1,234</td>
<td>4</td>
<td>3</td>
<td>7</td>
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<tr>
<td>Location</td>
<td>345</td>
<td>2</td>
<td>5</td>
<td>7</td>
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<tr>
<td>Location</td>
<td>678</td>
<td>3</td>
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<td>7</td>
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<tr>
<td>Location</td>
<td>901</td>
<td>3</td>
<td>4</td>
<td>7</td>
</tr>
</tbody>
</table>

Traffic Impact Study - June 2016

1400 NORTH 600 WEST INTERSECTION & CAPACITY IMPROVEMENT - COG eligibility

Now well be new road segments on existing 4 lane road. Segments is not in place until 2007 when fully planned for construction. The segments are included in the Transportation Master Plan and the road will be widened from a 4 lane to a 6 lane road. The existing design will be a part of the COG application submission and the COG application submission is needed to be submitted to the City of Logan for approval. The approval will allow the road to be widened to a 6 lane road.

1400 NORTH 600 WEST INTERSECTION & CAPACITY IMPROVEMENT - description

• Signalize Intersection
• Rail Crossing
• Widening for Capacity
1400 NORTH 600 WEST INTERSECTION & CAPACITY IMPROVEMENT - description

1400 NORTH 600 WEST INTERSECTION & CAPACITY IMPROVEMENT - ROW

Intersection Right-of-Way
ROW already secured on several properties
In-kind exchange with BTC
Remaining ROW will be purchased
Eligible ROW Estimate: $100,000

1400 NORTH 600 WEST INTERSECTION & CAPACITY IMPROVEMENT - history

MEMORANDUM
UTAH DEPARTMENT OF TRANSPORTATION

DATE: October 7, 2003

TO: Dave Durack, P.E.
Region One Traffic Engineer

FROM: Richard Otter, P.E.
Traffic and Safety Design Engineer

SUBJECT: Signal Study for Intersection at 600 West & 1400 North, Logan

• 2014 COG Award - Spot Improvement
  • $200,000

1400 NORTH 600 WEST INTERSECTION & CAPACITY IMPROVEMENT - history

The City of Logan is submitting this as a spot improvement. I have provided the anticipated cost for the median signals, however, Logan is only citing for

- Total $1,000,000
- City Match $1,000,000
- Total Cost $2,000,000

1400 NORTH 600 WEST INTERSECTION & CAPACITY IMPROVEMENT - financial estimates

<table>
<thead>
<tr>
<th>1400 NORTH 600 WEST INTERSECTION &amp; CAPACITY IMPROVEMENT</th>
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</tr>
</thead>
<tbody>
<tr>
<td>TOTAL PROJECT COST (not including medians) $3,000,000</td>
<td>TOTAL PROJECT COST $3,000,000</td>
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<tr>
<td>COST OF WORK ($1,000) $1,000,000</td>
<td>COST OF WORK ($1,000) $1,000,000</td>
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<tr>
<td>COG 2014 AWARD $300,000</td>
<td>COG 2014 AWARD $300,000</td>
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<tr>
<td>CITY MATCH (COG ELIGIBLE ITEMS ONLY) $1,000,000</td>
<td>CITY MATCH (COG ELIGIBLE ITEMS ONLY) $1,000,000</td>
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<tr>
<td>FED MATCH 37.9%</td>
<td>FED MATCH 37.9%</td>
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Cost share benefit
37.9% City match

QUESTIONS?