Utah Access Management:
Public Involvement and Lessons Learned
12300 South Design Build Project

6th National Conference on Access Management

Tim Boschert, Utah Department of Transportation
Matt Riffkin, InterPlan Co.
Presentation Overview

- About 12300/12600 South Project
- About UDOT Access Management (AM) Program
- What Happened to a Logical Schedule
- What we Did to Make the Best of a Bad Schedule
Project Location
SR-71 (12300/12600 South)

State highway SR-71, a west to east two lane arterial facility located in the southeast corner of the Salt Lake Valley, Utah. SR-71 passes through the incorporated cities of Riverton City and Draper City.

Project termini defined at Bangerter Highway (4000 W. Riverton) to 700 East (Draper).
Project Stakeholders
SR-71 (12300/12600 South)

12300 South Project Team

UDOT – project design and construction management

H.W. Lochner – roadway design and ROW acquisition

InterPlan Co. – transportation modeling and planning

Municipal Entities
Riverton City
Draper City

Utah Access Management Public Involvement Lessons Learned
12300/12600 South Corridor: Bangerter Hwy to 700 East

- Design-build roadway project, $65 million, 6.2 miles
- Widen to four lane cross section
  - Urban design with center median, Class II bike
- Interchange reconstruction (SPUI) I-15 @ 12300 So.
- Replace Jordan River bridge
- Upgrade UP Railroad crossing to grade-separated
- Improve intersections; turn lanes & signal upgrades
- Access Control; raised median, access consolidation
- Accommodate bus service pull-outs
- Construct two pedestrian bridges over corridor
Corridor Overview:
Varied / Complex Adjacent Land Uses

• Commercial Interests Near I-15
• Residential Interests between 2200 West and 3600 West
Original Project Schedule

Initial Project Schedule (Design-Bid-Build)

• Environmental Clearance 1999-2001
• Design / ROW Acquisition 2002-2004
• Phase 1 Construction 2005-2008
  – (I-15 Interchange, Railroad bridge, Redwood Road intersection)
• Remaining Construction 2009-2015
Public Involvement:
Project Schedule and Outreach Meetings

Revised Design-Build Outreach Schedule

• Project Award to Consultant          July 2002
• City Council Project Updates         Aug. 2002
• Outreach meetings                   Sept.- Nov. 2002
  – CCC, Neighborhood & Open House
• Construction Begins                  Oct. 2002- Dec. 2004
  – Monthly CCC Meetings
UDOT Access Management Program
Program Development

1999-2002: Rule 930-6 Revision
Internal Meetings held with Permit Officers, Traffic Engineers, Peer Group and Department Senior Staff to develop and coordinate the development of the Manual for Accommodation…Ch.7: State Highway Access Management.

- Permit Application & Review Process (including Appeal)
- Access Categories & Category Standards
- Assignment of Access Categories (mapping),
- Inventory (Written Assignment of Categories)
- Fee Schedule (Pending 7/1/04)
- Permit Form & Form Letters

2002-2003 User Group Information and Education
- Outreach on Rule Update and Rule Making process, Final Comment

2003 September Rule Update
UDOT Access Management Program
Access Category Assignment

ACCESS CATEGORY ASSIGNMENT
(9) Categories
Spacing recommendations for
• Street
• Unsignalized street
• Driveway
• Interchange approaches

| Category               | Minimum Frontage Length (ft) | Minimum Street Spacing (ft) | Minimum Access Spacing (ft) | Minimum Frontage to
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<thead>
<tr>
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<tr>
<td>Freeway/Interstate Standards Apply</td>
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<tr>
<td>1 Freeway/Interstate Standards Apply</td>
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<tr>
<td>2 System Priority Route</td>
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<td>3 System Priority Urban</td>
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<td>4 Regional Rural</td>
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<td>5 Regional - Priority Urban</td>
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<td>6 Regional Urban</td>
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<td>7 Community Rural</td>
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<tr>
<td>8 Community Urban</td>
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<tr>
<td>9 Other</td>
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Not Applicable

State of Utah Highway System

Utah Access Management
Public Involvement Lessons Learned
### State Highway Access Management Standards

<table>
<thead>
<tr>
<th>Category</th>
<th>Minimum Signal Spacing (feet)</th>
<th>Minimum Street Spacing (feet)</th>
<th>Minimum Access Spacing (feet)</th>
<th>Minimum Interchange to Crossroad Access Spacing (feet)</th>
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<td>Freeway/Interstate Standards Apply</td>
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<tr>
<td>2</td>
<td>S-R</td>
<td>5,280</td>
<td>1,000</td>
<td>1,000</td>
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<tr>
<td>3</td>
<td>S-U</td>
<td>2,640</td>
<td>No Un-signalized Access Permitted</td>
<td>1,320</td>
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<tr>
<td>4</td>
<td>R-R</td>
<td>2,640</td>
<td>660</td>
<td>500</td>
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<tr>
<td>5</td>
<td>R-UP</td>
<td>2,640</td>
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<td>350</td>
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<tr>
<td>6</td>
<td>R-U</td>
<td>1,320</td>
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<td>7</td>
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<td>1,320</td>
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<td>1,320</td>
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Not Applicable
12300/12600 South (SR-71) Corridor: Access Category 3 & 5

Utah Access Management
Public Involvement Lessons Learned
# Public Involvement: Original Schedule

## 12300 South Project

<table>
<thead>
<tr>
<th>Project</th>
<th>Timeline Schedule</th>
<th>A.M. Program</th>
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<tbody>
<tr>
<td>Environmental</td>
<td>2000</td>
<td>Consultant Study</td>
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<td>Design</td>
<td>2001</td>
<td>Draft Standards</td>
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<tr>
<td>ROW</td>
<td>2002</td>
<td>AM Categories and Rules</td>
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<td>Construction</td>
<td>2003</td>
<td>Flexible Application</td>
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<td></td>
<td>2004</td>
<td>Modify Rules</td>
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<td></td>
<td>2005</td>
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Public Involvement:
12300 South Project vs. A.M. Program Implementation

- 12300 South Accelerated due to Public Comment
- 12300 South Shifted to Design-Build
- AM Program took Time to Get Admin. Buy-in
- Ready-Fire-Aim Schedule
# Public Involvement:
## 12300 South Project vs. A.M. Program Implementation

<table>
<thead>
<tr>
<th>12300 South Project</th>
<th>Timeline Schedule</th>
<th>A.M. Program</th>
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</thead>
<tbody>
<tr>
<td>• Project Award</td>
<td>• July 2002</td>
<td>• Final Category Standards</td>
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<tr>
<td>• City Council Project Updates</td>
<td>• Aug. 2002</td>
<td>• Initial Category Assignment (Mapping)</td>
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<td>• Outreach meetings</td>
<td>• Sept.- Nov. 2002</td>
<td>• Internal UDOT meetings</td>
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<tr>
<td>– CCC</td>
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<td>– Neighborhood</td>
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<td>– Open House</td>
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<tr>
<td>– Monthly CCC meetings</td>
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<td>– Dept. Buy-in to Program</td>
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<td>• Administrative Rule</td>
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<td>– Sept. 2003</td>
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Public Involvement:
12300 South Project vs. A.M. Program Implementation

- UDOT Access Program - Standards and Category Assignment were finalized concurrently as the 12300/12600 South project was in Design-Build.

- Median placement and access locations became emotional and political issues.

- UDOT had no median rule or policy.

- UDOT tried to implement the new access standards.

- The 12300/12600 South project and political intervention began to lead UDOT Policy Development for median placement and access consolidation.
Project & Program Recovery Strategy

- Small area corridor meetings for education and consensus building
- Incremental Decision Making – listen first / decide later
- Bargain with cities for corridor level solutions
- Seek Win-Win at site specific locations
Public Involvement:
Identify Elements of Public Concern

2 Community Coordination Committees (CCC)
6 Neighborhood Community Groups
Public Involvement: Identified Elements of Public Concern

- Landscaping
- Roadway Design
- Right-of-Way
- Access Issues

Project scope included right-of-way acquisition team developed to expedite ROW and access issues prior to construction.
Public Involvement:
12300 South Project vs. A.M. Program Implementation

Initial Median & Access Design

Current Median & Access Design
Lessons Learned
12300/12600 South Project
Utah Access Management Program

- **Listen Before Teaching**
  - We learned that people did not listen to our answer until we listened to their questions and concerns.

- **Identify and Communicate the Important Issues**
  - Ideas and direction can be lost if not communicated clearly and in a timely manner.

- **Compromise and Seek Solutions**
  - Recognize the need for reconsideration and balance with any benefits gained.

- **Stay on the Right Road**
  - Stay focused and avoid petty distractions