Welcome

Environmental Assessment for
Solberg Avenue – Tallgrass Avenue Overpass of I-229

Information Presented
♦ Purpose and Need for Action
♦ Alternatives Addressed
♦ Methods for Evaluating Alternatives
♦ Findings
Meeting Format

- Open House from 5:30 PM
- Presentation Covers (15 Minutes):
  - Why
  - What
  - When?
- Comments/Questions:
  - Form for Written Comments (Sign-in Table)
  - Staff from City/SDDOT and Consultant Can Answer Questions
Issues:

- Housing and Employment Growth in Southwest Sioux Falls
- Traffic Congestion along Louise Avenue
- Arterial Connectivity
- Pedestrian Connectivity
  - Reduce Travel Distances
  - Provide Alternate to Louise Avenue (Arterial)
Issues:
- Housing and Employment Growth in Southwest Sioux Falls
- Traffic Congestion along Louise Avenue
- Arterial Connectivity
- Pedestrian Connectivity - Reduce Travel Distances - Provide Alternate to Louise Avenue (Arterial)

Purpose and Need

Legend

Household Growth
- Less than 250
- 250 to 500
- 501 to 1,000
- More than 1,000

FIGURE 2. Projected Study Area Household Growth, 2000 to 2033
Purpose and Need

Issues:
- Housing
- Employment Growth in Southwest Sioux Falls
- Traffic Congestion along Louise Avenue
- Arterial Connectivity
- Pedestrian Connectivity
  - Reduce Travel Distances
  - Provide Alternate to Louise Avenue (Arterial)

Legend

<table>
<thead>
<tr>
<th>Employment Growth</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than 250</td>
<td></td>
</tr>
<tr>
<td>250 to 500</td>
<td></td>
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<tr>
<td>501 to 1,000</td>
<td></td>
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<tr>
<td>More than 1,000</td>
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</tbody>
</table>

FIGURE 3. Projected Study Area Employment Growth, 2000 to 2033
Issues:

♦ Housing and Employment Growth in Southwest Sioux Falls
♦ Traffic Congestion along Louise Avenue
♦ Arterial Connectivity
♦ Pedestrian Connectivity – Reduce Travel Distances – Provide Alternate to Louise Avenue

Purpose and Need

Legend

Daily Traffic Volume
22,500 2007 Daily Traffic Volume
36,000 2033 No-Build Daily Traffic Volume

FIGURE 5. Study Area Existing (2007) and Future 2033 No-Build Scenario Daily Traffic Volumes
**Purpose and Need**

**Issues:**
- Housing and Employment Growth in Southwest Sioux Falls
- Traffic Congestion along Louise Avenue
- Arterial Connectivity
- Pedestrian Connectivity
  - Reduce Travel Distances
  - Provide Alternate to Louise Avenue (Arterial)

**Legend**
- **Daily Traffic Volume**
  - 22,500 2007 Daily Traffic Volume
  - 36,000 2033 No-Build Daily Traffic Volume

**FIGURE 5.** Study Area Existing (2007) and Future 2033 No-Build Scenario Daily Traffic Volumes
Issues:
- Housing and Employment Growth in Southwest Sioux Falls
- Traffic Congestion along Louise Avenue
- Arterial Connectivity
- Pedestrian Connectivity – Reduce Travel Distances – Provide Alternate to Louise Avenue (Arterial)

Purpose and Need
Legend

- Existing Bike Route (On Street)
- Proposed Side Route/Trail Connection
- Proposed Route (Long Term)
- Proposed Trail
Current and Future Traffic

- **Existing Traffic Operations - Concerns:**
  - Louise Ave Ramp Intersection
  - 57th St / Louise Ave Intersection
- **Traffic Volumes:**
  - I-229: 3.0 to 3.5%/year
  - Louise Ave: 2.0 to 4.0%/year
- **2033 Poor Operations:**
  - I-229 Southbound to Louise Avenue Off-ramp and On-ramp
  - I-29 Mainline
  - Louise Ave Ramp Intersections
  - Arterials (Louise Ave and 57th St)

**Forecasted 2033 Peak Hour Operations**

**Current Peak Hour Operations**
♦ Overpass of I-229
♦ 4-lane Divided Roadway from 59th to 69th St
♦ Sidewalk and Bike Path Along Solberg Avenue:
  – Sidewalk: West
  – Path: East
♦ Full Build-Out of 69th St/Tallgrass Ave Intersection
Build Alternative - Plan

- Signal to be Added
- East Side – Multi-purpose Trail
- 4-Lane Bridge
- West Side – Sidewalk
- Tallgrass Avenue
- 69th Street
- 59th Street
- Solberg Avenue

The diagram shows a plan for improvements, including the addition of signals, a multi-purpose trail, and a 4-lane bridge. The location is near the crossroads of Tallgrass Avenue, 69th Street, and Solberg Avenue.
EA Evaluation Criteria

- Traffic
- Socioeconomics:
  - Land Use
  - Social and Demographic Setting
  - Housing
  - Economics
  - Employment and Labor
- Air Quality
- Noise
- Water Resources
  - Groundwater Hydrology
  - Surface Water Hydrology
  - Water Quality
- Vegetation and Wildlife
  - Vegetation
  - Wildlife
  - Threatened and endangered species
  - Wetlands
- Drainage and Flooding
- Cultural Resources
  - Historic Architectural Properties
  - Archaeological Sites
- Recognized Environmental Conditions
- Visual and Aesthetic Quality
- Geology
  - Geology
  - Soils
- Public Services and Utilities
  - Schools
  - Hospitals/Care Facilities
  - Fire Protection
  - Law Enforcement
  - Churches/Cemeteries
- Utilities
<table>
<thead>
<tr>
<th>Project Key Assessment Area</th>
<th>Substantial Conclusions by Assessment Area</th>
<th>Identified/Possible Impact Mitigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land Use</td>
<td>5.3 acres of additional right-of-way&lt;br&gt;Prime Farmland:&lt;br&gt;- No direct conversion&lt;br&gt;- Conversion (through development) of 99 acres possibly accelerated&lt;br&gt;No impacts to 4f (parks) property</td>
<td></td>
</tr>
<tr>
<td>Socioeconomic</td>
<td>Positive impact for development&lt;br&gt;No environmental justice impacts</td>
<td></td>
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<tr>
<td>Visual</td>
<td>Minimal impacts (new bridge) to the viewshed</td>
<td></td>
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<tr>
<td>Air Quality</td>
<td>Air quality would be similar or slightly better</td>
<td></td>
</tr>
<tr>
<td>Noise</td>
<td>No impacts outside existing/proposed right-of-way.</td>
<td></td>
</tr>
<tr>
<td>Geology, Soil</td>
<td>Project will impact (either permanently/temporarily) approximately 7 acres of vegetated ground</td>
<td>Revegetation following construction</td>
</tr>
<tr>
<td>Hydrology</td>
<td>No water bodies nearby the project - No adverse impact</td>
<td>Erosion control plan during construction to control runoff</td>
</tr>
<tr>
<td>Wetlands</td>
<td>Approximately 4.9 acres of wetlands would be impacted</td>
<td>Wetland areas will be delineated and a mitigation plan developed for a 404 Permit - Anticipate purchasing wetland bank credits</td>
</tr>
<tr>
<td>Wildlife, Threatened and Endangered Species</td>
<td>No Threatened and Endangered species within the project area</td>
<td></td>
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<tr>
<td>Cultural/Historical Resources</td>
<td>No pre-historic or historical properties identified within the project area (State Archaeological Resource Center and the State Historic Preservation Office)</td>
<td></td>
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<tr>
<td>Environmental Conditions</td>
<td>No hazardous material sites were identified within the project area</td>
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Next Steps – Solberg/Tallgrass EA

- Written Comments accepted through May 5, 2010
- Finalize EA – May 2010
- Action by FHWA – May-June 2010
- Finish Design – Summer 2010
- Begin Construction – Fall 2010
♦ Public Information Meeting: Today
♦ SDDOT Web Site: www.sddot.com/pe/projdev/environment.asp
♦ Email: Bill_Troe@urscorp.com
Questions? Please Contact:

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SDDOT Project Web Site
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