Excellence in Engineering Since 1946
Lockport Bypass Corridor Report Presentation
June 22, 2015

Village of Plainfield
Lockport Street Bypass Study Limits
Property Owners

- Pure Rod and Gun Club
- Commonwealth Edison Easement
- Vulcan Materials
- Deer Creek Recreation Club
- Oak Park Sportsman Club
- Plainfield Twp Park District Avery Preserve, Four Seasons Park
- Lake Renwick County Forest Preserve

Map showing locations and street names.
Possible New Interchange(s)

- Village of Plainfield
- IL 76/143rd St

**Lockport Street Bypass**

- 2012 Daily Volume (vpd): 7,200
  - 2040 Daily Volume (vpd): 11-14,500

- 2012 Daily Volume (vpd): 14,200
  - 2040 Daily Volume (vpd): 19,000

- 2012 Daily Volume (vpd): NA
  - 2040 Daily Volume (vpd): 29-34,000

- 2012 Daily Volume (vpd): 6,750
  - 2040 Daily Volume (vpd): 24-32,000

**Key**
- 2012 Daily Volume (vpd)
- 2040 Daily Volume (vpd) with New Interchange(s)
Overview of Alternative Alignments Considered

- Alt 1a
- Alt 4
- Alt 5

= DISMISSED ALTS

143rd Street
Lockport St.
NORTH

126
Alternative 1A Overview

- Compensation for portion of quarry impacted by roadway.
- Retaining wall to avoid impacts to Lily Cache Creek
- 143rd Street
- Lockport St.
- Vulcan Materials
- Plainfield Park District
- North
Alternative 2 Overview

143rd Street NORTH

Compensation for portion of quarry impacted by roadway.

New Bridges Crossing Lily Cache Creek

Vulcan Materials

Lockport St.

Plainfield Park District

Parkland Impacts

Com Ed
Alternative 4 Overview

143rd Street

Lockport St.

Vulcan Materials

New Bridges Crossing Lily Cache Creek

Plainfield Park District

Access to developable lands

Parkland Impacts

126

65 Degree Angle of Intersection (Meets Min. but not Desirable)

Residential Relocation

NORTH

NORTH

126

143rd Street

126

Com Ed
Three Alternatives Investigated Further

Alt 1a

Alt 2

Alt 4

143rd Street

NORTH

126

Lockport St.

ComEd
Proposed Cross Section

Ultimate Looking North

ComEd request to build west-most lanes first
Alternative 1A and 2 Relationship to ComEd Corridor

- Lockport Street Bypass
- Concrete Pad Near Tower for Maintenance Vehicles
- Multi-use Path
- Area Needed for Lockport Street Bypass
- Possible Future Transmission Tower
- 150 feet Utility Corridor
- ~35 to 38 feet
- ~13 to 14 feet
- ~41 to 44 feet
### Costs (in Millions)

<table>
<thead>
<tr>
<th>Alternative</th>
<th>As a 4-In</th>
<th>As a 2-In</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Alternative 1A— On Vulcan Materials Quarry Access Roadway</strong></td>
<td>$15.1 to $16.0*</td>
<td>$12.3 to $13.2*</td>
</tr>
<tr>
<td><strong>Alternative 2— West Side of Park</strong></td>
<td>$15.4 to $15.8*</td>
<td>$13.0 to $13.3*</td>
</tr>
<tr>
<td><strong>Alternative 4— 143rd Street and Center of Park</strong></td>
<td>$16.0</td>
<td>$12.2</td>
</tr>
</tbody>
</table>

*Range is due to potential variance in quarry material prices
*Ultimately the services of an appraiser should be enlisted to better understand right of way costs
Impacts

<table>
<thead>
<tr>
<th>Alternative</th>
<th>Right-of-way (Acres)</th>
<th>Impacts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Overall</td>
<td>Wetlands</td>
</tr>
<tr>
<td>Alternative 1A– On Vulcan Materials Quarry Access Roadway</td>
<td>18.8</td>
<td>0.00</td>
</tr>
<tr>
<td>Alternative 2– West Side of Park</td>
<td>18.5</td>
<td>1.84</td>
</tr>
<tr>
<td>Alternative 4– 143rd Street and Center of Park</td>
<td>19.8</td>
<td>2.90</td>
</tr>
</tbody>
</table>

Special federal protections apply to wetlands, parks, and stream crossings.

“No practicable alternative” applies
Alternative 1A is Recommended Because:

- It appears to be a low cost alternative
- Requires little parkland and has minimal impacts to parkland
- Has minimal wetland impacts
- Likely to have less encroachment into floodplains