Overview of Project Selection

- General Principles:
  - Project Selection is a data-driven process
  - Projects are selected on merit and in accordance with their ability to meet the program goals
  - Programs are groupings of projects intended to address a common goal (i.e.: Safety, mobility, etc.)
  - Each program is required to maintain fiscal constraint and is managed by a Programs Funds Manager
  - The Program Funds Manager maintains the program and the programs policies in addition to managing the program fiscal constraint
Overview of Project Selection

INDOT’s budget is separated into the following Programs:

- **Central Office Programs**
  - Local-Public-Agency (LPA)
  - Major Bridge
  - Major New (IPOC)
  - Major Pavement (MP3)
  - Roadway Safety & Mobility

- **Other Central Office Programs**:
  - Greeways, bike/ped
  - ITS
  - RR safety
  - State Parks
  - Weigh Stations & Rest Area
  - Economic Development
  - Environmental/ Noise Wall
  - Geology

Along with the District Programs ...

Overview of Project Selection

- **District Programs:**
  - Pavement
  - Bridge
  - General Allocation
  - Safety
  - Maintenance
Overview of Project Selection

- This presentation will give an overview of the following Program Selection processes:
  - Central Office:
    - Major Bridge Program
    - LPA Program
    - Roadway Safety & Mobility
    - Major New Program
    - Major Pavement Program
  - District Programs

Major Bridge Program

- Two Work Categories
  - Replacement/Rehabilitation
  - New Bridge/Grade Separation

**Mission:** The mission of the Major Bridge Program (MBP) is to provide for the inspection, maintenance, and replacement or construction of bridges that qualify as a major bridge. The MBP has the responsibility of completing this mission with fiscal restraint, while ensuring structural integrity, and public safety.
**Major Bridge Program**

- Planning Horizon - 8 years
- Annual Funding Allocation-
  - Variable - $5 - $20 M
- Funds Manager:
  - Bill Dittrich, CO 317-232-5474
- Selection by Committee

**Major Bridge Program**

1. **Border State Bridges**
   - Meeting INDOT's obligations with bordering states created by state agreements. (annual review)

2. **Complex Bridge**
   - This is based on the complexity of the bridge created during design and original construction. The more complex a bridge is the higher the cost to maintain or rehabilitate.

3. **Large Deck Area**
   - Single bridge with a deck area greater than 25,000 square feet
   - Side-by-side bridge with a combined deck area greater than 50,000 square feet
Major Bridge Program

4. Miscellaneous Major Bridges
   - Miscellaneous or unique bridges

5. Miscellaneous Bridge Inspection Related Projects
   - Statewide Bridge Inspection work required for INDOT to meet Federal NBIS regulations.
   - Bridge inspection database
   - Underwater inspections
   - Load ratings
   - Bridge inspection projects (statewide)
   - Miscellaneous projects
   - Training and equipment needs

6. New & Grade Separation Projects
   - New and Grade-separation projects beyond the means of a District’s ability to fund.

LPA Program

- Project Categories:
  - Group III, Group IV, Local Bridge & Transportation Enhancement

- Mission & Goals:
  - To develop and implement a decision making process to direct the local federal-aid investment decisions resulting in a fiscally constrained multi-year program to improve the safety and conditions of roads and bridges in Indiana.
  - These are local government projects that address the needs of mobility, connectivity, and preservation.
LPA Program

- Planning Horizon: 6 years
- Annual funding allocation:
  - Variable – approx. $20 M in each category
    - Grp III, IV, Bridge, & TE
- Funds Manager:
  - Jeanette Wilson, CO – 317-232-5496
- Selection by Committee
  - District Representation

LPA Program

Selection Criteria:
- 50% Transportation Efficiency
- 25% Safety
- 25% Economic Development & Customer Input

<table>
<thead>
<tr>
<th>Goal</th>
<th>Factors</th>
<th>Maximum Score</th>
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<tbody>
<tr>
<td>Transportation Efficiency</td>
<td>A measure of the Benefit Cost Ratio of the investment</td>
<td>5</td>
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<tr>
<td></td>
<td>Corridor completion - A measure of a project relative to corridor connectivity</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Road classification - A measure of a highway’s importance</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Traffic and Mobility - A measure of the truck and vehicles AADT</td>
<td>15</td>
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<tr>
<td></td>
<td>Adjacent State projects or relinquishment agreement</td>
<td>3</td>
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<tr>
<td></td>
<td>Road, Bridge or facility condition (Pavement PASER rating, Bridge suff.)</td>
<td>2</td>
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</tbody>
</table>

Transportation points account for up to 50 points

Safety

- A measure of the Crash Rate, Crash Severity, Crash Frequency/Density | 25

Safety Points account for up to 25 points

Economic Development

- Local Economic Development
  - Economic Development plan for project | 5

Maximum Economic Development Score: 15

Economic Development & Customer Input account for up to 25 points

BONUS Point Categories:

- Economic Development & Local Participating Funds up to (percent of project cost) | 50
Roadway Safety & Mobility Program

- Safety Projects
- Congestion/Mobility Projects (lower cost capacity projects)
  - Intersection Improvements
  - Sight distance improvements
  - Curve corrections
  - New / modernized signals
  - Interchange modification (limited)
  - Radii improvements
  - Railroad grade crossings
  - Guardrail
  - Median construction
  - Added travel lanes (limited)
  - Some auxiliary lane projects.

Roadway Safety & Mobility Program

- Planning Horizon – 6 Years
- Annual Fund Allocation
  - Varies by Sub-Program
- Funds Managers:
  - Mobility: Paul Schmidt  317-232-5196
  - Safety: Mike Holowaty  317-232-5337
- Selection by Scoring
  - District Participation
### Roadway Safety & Mobility Program

**Selection Criteria** *(Not used for Safe Routes To School, Section 130 (RR), or CMAQ Programs)*

<table>
<thead>
<tr>
<th></th>
<th>Safety Scoring</th>
<th>Congestion / Mobility Score</th>
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<tbody>
<tr>
<td></td>
<td>Weight</td>
<td>Max. Possible</td>
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<tr>
<td>Crash Records/ History (HAT)</td>
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<td>35</td>
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<tr>
<td>Congestion (Traffic v/c ratio)</td>
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<td>5</td>
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<tr>
<td>Compliance with Current Standards</td>
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<td>15</td>
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<tr>
<td>Value of Corrective Action</td>
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<tr>
<td>Road Classification</td>
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<td>District Preference</td>
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<td>Public Interest</td>
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<td>Development Stage or Risk of</td>
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<td>5</td>
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<tr>
<td>Implementation</td>
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<td></td>
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<tr>
<td>System Coordination</td>
<td>1</td>
<td>5</td>
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<tr>
<td><strong>Total:</strong></td>
<td>20</td>
<td>100</td>
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</tbody>
</table>

**Major New Program IPOC**

- Project Categories:
  - Added travel lanes, New & Modified Interchanges, New Road Construction
- 10 year Planning Horizon
- Selection by Committee
  - District Participation
- Funds Manager:
  - Eryn Fletcher, CO – 317-232-5458
**Major Pavement Preservation (MP3)**

- **Project Categories:**
  - Pavement Replacement, Pavement Preservation, Median Construction, Small Towns Reconstruction, 3R/4R
- **Planning Horizon – 10 years**
- **Annual Allocation**
  - Variable: $200 - $300 M
- **Funds Manager:**
  - Dave Andrews, CO 317-232-5452
- **Selection by Committee**
  - District Members: Systems Assessment Managers
- **Scoring & Policy:** under development

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**Overview of District Process**

- **District Programs:**
  - Formal Contracts
    - Pavement
    - Bridge
    - General Allocation
    - Safety
  - Maintenance
- **Annual Allocations:**
  - Formal Contracts: Variable - FY 2008 Allocations range from $28-$35 M
  - Maintenance: Variable
District Program - Pavement

- Categories
  - Preventative Maintenance, Functional, Structural
- Planning Horizon – 3 years
- Annual Funding Allocation
  - Variable: $15 - $20 M
- Selection
  - PQI, Friction Factor, Crashes, AADT, User Costs

District Program - Bridge

- Categories
  - Rehabilitation, Replacement, Painting
- Planning Horizon – 3 years (3/5/10 year plan)
- Annual Funding Allocation
  - Variable: $3 - $7 M
- Selection
  - Sufficiency Rating / Bridge Inspection Reports
**District Program – General Allocation**

- **Categories**
  - Drainage Correction, Small Structures, Landscaping, R/W Fence, Access Management
- **Planning Horizon** – 3 years
- **Annual Funding Allocation**
  - Variable: $1 - $4 M
- **Selection**
  - Inspection Reports, Hydraulic Information, Public Input

**District Program – Safety**

- **Categories**
  - Improvements - Intersection, Sight Distance, Radii, Curve, Railroad Crossing
- **Planning Horizon** – 3+ years
- **Annual Funding Allocation**
  - Variable: $1 - $4 M
- **Selection**
  - Scoring – Based on RSM Selection Criteria
Overview District Project Selection Process

- Call For Projects
- Data Collection
- Scoping:
  - Field Investigation
  - confirm/update data
  - define scope
  - identify challenges
- Advisory Committee:
  - Review, comment, prioritize, recommend
- Oversight Committee: Approval

District Programs

District Program Funds Managers

- Crawfordsville  Mohammed Mirza  765-361-5231
- Ft. Wayne      Mike Rauch     260-969-8309
- Greenfield     Tom Stingley   317-467-3491
- LaPorte        Keith Dimond   219-325-7479
- Seymour        Kathy Eaton    812-524-3734
- Vincennes      Pam Drach     812-895-7378