Taking it to the Streets: The Sunset Avenue Complete Street Reconstruction Project

Presented by:
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Butler University

- Founded in 1855
- 295 acre campus
- Located 5 miles north of downtown Indianapolis
- 60 major academic fields and 19 graduate programs
- Current enrollment: ~5,000 students
Existing Campus Green Infrastructure

Porous Pavement – West Parking

Rain Garden – Schrott Center

Rain Garden – Clowes Hall
Sunset Avenue - Existing Conditions
City of Indianapolis-Complete Streets Policy

<table>
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<tr>
<th>City’s Policy Element</th>
<th>Butler’s Project Goals</th>
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<td>Support integrated multimodal transportation</td>
<td>Accommodate future public transportation</td>
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<td>Promote pedestrian safety</td>
<td>Traffic calming and connectivity</td>
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<tr>
<td>Accommodate bicyclists</td>
<td>Enhance bike safety</td>
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Sec 431-803 (c): “The City shall foster partnerships with neighboring communities, businesses and school districts to develop facilities that further the City’s Complete Streets Policy”

City of Indianapolis $1.5M + Butler University $1.5M = $3M Streetscape Project
Complete Street Principles and Project Goals

• Mass transit, bikes, safety & connectivity
• New Streetlight Standard

• Wayfinding and branding
• Define campus edge
• Aesthetics
Sunset Avenue Streetscape Project
Sunset Avenue: Porous Pavement & Subsurface Storage

- 5,500 sf Permeable Bike Lane
- Captures Runoff from West Side of Sunset Avenue
- Curb Turnouts & Subsurface Hydraulic Connection Divert Runoff to Rain Gardens
Sunset Avenue-Linear Rain Gardens

- Native Plant Material
- Species Selection:
  - Inundation and Salt Tolerance
  - Limited Diversity
  - Showy Species vs. Wild & Wooly
Sunset Avenue-Hinkle Rain Gardens
Sunset Avenue-Permeable Bus Turnout

- Captures Hinkle Fieldhouse Runoff
- Permeable Pavers – 5,000 sf
  - Incorporated into Median Design Campus Standard Paver
  - Use on other GI Projects Throughout Campus
Bus Turnout
Sunset Avenue – Stormwater Modeling Results
Lessons Learned

- In house maintenance requirements
- Construction site stabilization
- Utilization of Public Private Partnership model
- Flexibility during design (new garage)
- Neighborhood outreach
Before…
And After!
Questions?

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