Introduction

- CSS Team Introduction
  - Mark Zwoyer, Project Manager—R.W. Armstrong
  - Kevin D. Russell, Architectural Consultant--A2SO4 Architecture
  - Jonathan Mooney, Landscape Architecture Consultant—Green 3
Introduction

Project Synopsis
- Three miles between I-65 interchange & 86th street
- Reconstructs I-465 to six lanes in each direction
- Includes loop ramps in NW quadrants of 71st and 86th Streets & a direct slip ramp in the NE quadrant of 71st.
- Replacement of 79th street bridge

Design began in late 2003
- Construction began in 2004
- Current contract reconstructs I-465 mainline and loop ramp bridges over 71st & 86th Streets

In 2006 interchanges will be reconstructed
- Estimated project cost: $88 million

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What Is CSS?
- CSS is a collaborative approach to developing and designing transportation facilities that fit into their physical and human environment while preserving the aesthetic, historic, community and environmental values.
- Context Sensitive Solutions involve the balancing of safety, mobility economics and community values within a public transportation project.

CSS Process
- CSS will be different for every project, but the process will remain the same:
  - Identify the issues
  - INDOT concurrence identifies CSS Targets
  - Design to address the CSS Design Targets
  - Present design options to INDOT for concurrence/selection of option
  - Inform public of direction and continue to process the information
Information Gathering

- Early Coordination for the Environmental Assessment included the following:
  - Normandy Farms Homeowner Association
  - Traders Point Civic Association
  - Traders Point Residents Association
  - Friends of Fishback Creek
  - Georgetown Crossing Homeowners Association
  - Lakeside Woods Homeowner Association
  - Fred Ropkey of 79th Street
  - Indy Parks

- Preparations Included:
  - Letters to public agencies
  - Aerial map

- A formal Public Meeting included the following additional groups:
  - Dow Agro Chemical
  - Eastern Star Church
  - Northwest Radiology
  - Pike Township Residents Association
  - Traders Point North Neighborhood Association
  - Eagle Creek Woods Homeowner Association
  - Dixon Management (Wendy’s)
  - Schahet Hotels (Courtyard, Hampton Inn, Residence Inn)
  - Wingate Inn
  - Golden Rule Insurance
  - Video Images
  - Gordon Acres Association

- Preparation Included:
  - Aerial photos
  - Traditional plans
  - Imagery of what CSS can be
  - Video/photomontage
Information Gathering

- Informal meetings were held with the following groups and individuals to solicit perceived problems & issues:
  - Duke Realty
  - Lauth Properties
  - CB Richard Ellis
  - Kite Development
  - West 86th St. Neighborhood
  - Attorney Joe Hammes
  - Chestnut Hills Neighborhood
  - OrthoIndy

- Preparation Included:
  - Aerial photos
  - Traditional plans
  - Imagery of what CSS can be
  - Video/photomontage

Community Values

- CSS Issues Raised
  - Construction Noise Pollution
  - Light Pollution
  - Drainage
  - Reliability of Mobility
  - Reliability of Access
  - Size of Construction Footprint
  - Visibility
  - Aesthetics
  - Pedestrian Mobility
  - Duration of Construction
  - Property Values
  - Information Sharing
CSS Design Targets

- CSS Design Targets To Pursue
  - Lighting
  - Drainage
  - Mobility
  - Access
  - Land Use
  - Pedestrian Mobility
  - Visibility
  - Construction Activity
  - Maintenance Of Traffic
  - Sound Barrier
  - Aesthetics

Preliminary Design

- Contextual Inventory of the Corridor
Preliminary Design

- 79th Street Concept Development as a result of partnering
- Integrating CSS treatments into engineered solution
Design Solutions

- Sound Barrier
  - Reviewed design options to maximize tree buffer on ROW
  - Landscape architecture treatments & mitigation
  - Architectural treatments through texture, pattern & color

Proposed Sound Barrier
Design Solutions

- Lighting
  - Provided low level lighting in quadrants with residential stakeholders
  - Provided low level lighting on slip ramp feeding adjacent business park development

- Drainage
  - Resolved drainage as it pertains to the West 86th Street Neighborhood

Design Solutions

- Land Use
  - INDOT ROW and existing tree buffer at 86th street

Before

After
Design Solutions

- **Visibility**
  - Design tries to preserve sight lines associated with adjacent commercial stakeholders

- **Construction Activities**
  - Informed stakeholders regarding peak times of anticipated noise level/vibration
  - Informed stakeholders regarding construction schedule

Construction Information
Design Solutions

- Access & Mobility
  - Slip Ramp and Park 100
  - Loop Ramps
  - Neighborhood Access

- Pedestrian Mobility
  - Circulation through the interchanges via paths & tunnels
  - Bike lanes & sidewalks at 79th Street
  - Connecting & coordinating with Eagle Creek & Indy Parks
Design Solutions

- Partnering Opportunities
  - Financial
  - Maintenance Agreements
  - Adopt A Median
- Current Partners
  - DPW
  - Indy Parks
  - Keep Indianapolis Beautiful

Design Solutions

- Round One Concept Development

71st & 86th Street Option One

71st & 86th Street Option Two
Design Solutions

- INDOT response:

*Well done, but try again -- we like:*

- The strong arch associated with 79th street
- Formliner patterns

Design Solutions

- Round Two Concept Development

71st & 86th Street Elevation
Design Solutions

- Round Two Concept Development

71st & 86th Abutment & Accent Lighting

71st & 86th Street Rendering
Design Solutions

Monotube Signage & Base

Pedestrian Tunnel

Design Solutions

71st & 86th Street Landscape Plan
Design Solutions

Surprises

- Intelligent Transportation System (ITS)
- Utilities versus CSS treatments
Closing Thoughts

- Balance
  - Not necessarily a cost increase
  - Improved overall design & product
  - Increased public satisfaction
- How CSS adds value
  - CSS is not just adding aesthetic treatments but good design
  - Community coordination
- Coordinate & Communicate
- Integrated Design Approach

Contact Info

www.in.gov/dot/div/specialprojects/465/index.html

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