37th DBE Small Business Conference
I-94 Modernization Project Update
March 27, 2017
I-94 Modernization Project

Agenda

• Project Overview
• MDOT/City of Detroit Partnership
• Stakeholder Engagement
• SBE Training Program
• Next Steps
• Q&A
I-94 MODERNIZATION PROJECT

- 6.7-mile freeway reconstruction from east of I-94/I-96 Interchange to east of Conner Ave
- 67 bridge structures, six railroad overpasses and 11 Advanced Bridges
- Local access improvements including the addition of continuous I-94 service drives
- Modernize interchange ramps including the elimination of freeway left-hand exits and entrances
- Project divided into three segments based on the geographic boundaries shown above
I-94 Modernization Project
Project Overview – Schedule

Legend
- Advanced Bridges

|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
I-94 Modernization Project
Project Overview – Advanced Bridges Phase I Contracting

Legend
- B: Bridge Design Contract
- S: Small Business Design Support Contract

<table>
<thead>
<tr>
<th>Prime Contracting Opportunities</th>
<th>Service Categories</th>
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<tbody>
<tr>
<td>Up to 8 Bridge Design (B)</td>
<td>Short and Medium Span Bridges/</td>
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<tr>
<td>With Geotech Subconsultant</td>
<td>Complex Bridges (includes ABC PE)/</td>
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<td>TIER III</td>
<td>Bridge Load Rating Analysis</td>
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<td>Geotechnical Engineering Services</td>
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<td>Up to 10 Design Support (S)</td>
<td>Road and Streets (Road approach)</td>
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<td>TIER I &amp; TIER II</td>
<td>Maintaining Traffic Plans &amp; Provisions/</td>
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<td></td>
<td>Pavement Marking Plans</td>
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<td>Permanent Non-Freeway Traffic Signing Plans/</td>
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<td>Permanent Freeway Traffic Signing Plans</td>
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<td>Traffic Signal Design/ITS – Design &amp; System Manager</td>
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<td></td>
<td>Freeway Lighting (PLD relocation &amp; Street lighting)</td>
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<td>Site Investigation (Site demo)</td>
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<td>Municipal Utilities (for public utility relocations)</td>
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<td>Landscape Architecture</td>
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Up to 18 Total
• Co-located Team
• Collaborative Environment
• Technology Equipped
• Coaching & Mentoring Environment
I-94 Modernization Project
Project Overview – Lessons Learned

- Secure City of Detroit concurrence and FHWA approval on the bridge cross-sections prior to final design notice-to-proceed.

- MDOT/ORC to develop accelerated bridge construction criteria to support final design activities for Advanced Bridges PII along with providing an updated sample plan set.

- Evaluate alternative contracting strategies to achieve small business participation goals since the current prime agreements have a hard cap of $150,000.

- Further investigate ways to simplify and streamline MDOT/Final Designer contract coordination.

- Evaluate workload necessary to enable key Final Designer staff to work full-time in project office.
I-94 Modernization Project
MDOT/City of Detroit Partnership
I-94 Workshop Objectives:
Identify modifications to the current I-94 Conceptual Plan, which achieves the project’s “purpose and need” of improving local connectivity:

• Restore and improve multimodal street grid connections with the addition of “Service Street Connectors”

• Utilize existing streets to minimize impacts to adjacent neighborhoods

• Invest in city streets and adjacent transportation infrastructure

• I-94 Gateway to Detroit and surrounding neighborhoods from neighborhood and freeway viewpoint
I-94 Workshop Outcomes:
Align with Detroit residents desires and expectations captured during July 2015 stakeholder Public Open House:

• Proposed community connector bridges – 2nd Avenue, Cass Avenue, John R Street and Conner Street

• Provide quality green spaces, parks and landscaping

• Improve cross corridor connectivity and provide safer bike/pedestrian facilities (buffered)

• Address concerns about potential neighborhood and historic site impacts
I-94 Modernization Project
MDOT/City of Detroit Partnership

2nd Avenue Crossing, Proposed Artist’s Rendering (October 2016)

Second Avenue Over I-94 Existing
Second Avenue Over I-94 Proposed - Artist’s Rendering
The Approved Selected Alternative – Midtown Area

LEGEND
- I-94 Corridor
- Landmarks
- Railroads
- Existing Local Connections to be Retained
- Removed Local Connections
- Selected Alternative Service Drives
- Two-way Traffic
- One-way Traffic
- Proposed On/Off Ramp
- Existing Bike Lane/Bike Path

I-94 Modernization Project
MDOT/City of Detroit Partnership
Adjust freeway elevations to provide additional local street and community connections between Grand Boulevard and Warren Avenue.

--Midtown Area

Proposed Option:
- Provide new local connection at Holden St. over M-10 to improve local connectivity.

Adjust freeway elevations to provide additional local street and community connections between Grand Blvd. and Warren Ave.

Use the existing street network in Midtown instead of constructing new continuous service drives. Convert one-way streets to two-way where possible to improve local circulation and access.

Proposed Option:
- Retain existing John R. St. and Beaubien St. bridge crossings at I-94 to maintain local connectivity.

Proposed Option:
- Convert existing pedestrian-only bridges at Selden St. and Merrick St. to full service, local street bridges to connect neighborhoods across the freeway by all modes (car, bus, biking, and walking). Construct additional local street connections.

Legend:
- I-94 Corridor
- Landmarks
- Railroads
- Existing Local Connections to be Retained
- Removed Local Connections
- Proposed Local Connections
- Existing Pedestrian Only to Complete Streets
- Local Street Connectors
- Two-way Traffic
- One-way Traffic
- Proposed On/Off Ramp
- Removed On/Off Ramp
- Existing Bike Lane/Bike Path
MDOT can continue to advance the I-94 project as long as the proposed work is consistent with the current approved Selected Alternative and can also accommodate the modifications being considered.
November 2016 Public Meetings

• Four meetings in two days

• Notification Process
  - Press Release
  - Flyers, Postcards and Newsletters

• Shared the proposed modifications under consideration

• Gathered public comment from 200+ attendees which included 350+ comments:
  - Maintain existing bridge connections
  - Add Landscaping to bridges
  - Convert pedestrian bridges to complete streets where practical
  - Review access into Midtown

www.Michigan.gov/94detroit
I-94 Modernization Project
Stakeholder Engagement

Timeline

- July 15’ Public Meeting
- June-Aug. 16’ City Workshops
- Nov. 16’ Public Meeting

Connectivity is important!
Minimize I-94 footprint!
Need more walking and bike paths!
Improve crossing I-94 safety and experience!
Convert Ped bridges to complete streets crossings
Maintain existing bridge connections
Add landscaping to bridges
Review Access to Midtown
Connectivity is important!
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I-94 Modernization Project
Stakeholder Engagement

Success!

Listen ➔ Design ➔ Build

Recent Stakeholder Feedback

Love the redesign
Thank you for listening! A huge improvement!
Thank you for proposing the community connections
Build baby build!!!
All improvements great for the future of the City
Like the modifications to the old plans
Impressed with the project changes
Love the Community Connector Bridge Concepts

LOCAL CONNECTIVITY
BEAUTY
MOBILITY
SAFETY

55 possible connections planned today (as opposed to 39 connections in 2005)
Landscape buffer along community centers
7 possible pedestrian bridges to become complete streets
Additional buffered bike lanes
I-94 Modernization Project
SBE Training Program

- **Small Business Assessment**
  - Core Skills
  - Business Skills
  - MDOT Technical Skills

- **Personalized Training Plan**
  - Senior Leadership Training
  - Business Development (4 Modules)
  - Technical Training (6 Modules)
  - Technology (software training)

- **MDOT Program Evaluations**
  - Interim
  - Final (at Plan Turn-In)
## I-94 Modernization Project
### SBE Training Program - Schedule

- Technical, software and business development training
- Training schedule/project schedule aligned
- “Just-in-Time” training
- Bi-weekly SBE Roundtables
- Monthly over-the-shoulder reviews
- Quality Audits
- Interim/final evaluations at 75% design level and final evaluations at Plan turn-in

### I-94 ADVANCED BRIDGES SMALL BUSINESS (SBE) TRAINING PROGRAM

#### Training Goals

- Increase the technical capacity of SBEs through project delivery experience gained in a mentoring environment.
- Enhance the business acumen of SBEs through senior leadership training which focuses on project delivery, strategy, change management, business operations and human resources.

#### Training Schedule

The I-94 Advanced Bridges SBE Training Program will be implemented over a timeline designed to align with the majority of the work performed on the advanced project with the delivery of the I-94 Advanced Bridges.

#### Key Training Elements

- **Just-in-Time** training
- Bi-weekly SBE Roundtables
- Monthly over-the-shoulder reviews
- Quality Audits
- Interim/final evaluations at 75% design level and final evaluations at Plan turn-in
I-94 Modernization Project
SBE Training Program - Achievements

- Over 12 Small Business training workshops conducted
- Up to 4 hours of professional development hours earned for each Small Business training workshop
- Software training on Microstation, BlueBeam/Adobe Markup, Geopak
- Conducted Senior Leadership Meetings with SBE owners
- Over 16 Small Business Roundtables
- SBE Audits and Evaluations
- Over 11 SBE Over-the-Shoulder Reviews
- Unlimited Mentor/Mentee engagement opportunities

- 5 SBE firms worked toward MDOT prequalification
- 2 New SBE Service Providers for MDOT
- Exceeded SBE Project Goal of 20%
- MDOT exceeded their statewide DBE goal
I-94 Modernization Project
SBE Training Program - Achievements

• 3 new SBE offices opened
• 4 SBE firms hired one or more employees
• Value Engineering serves as mentor for an LTU capstone course
• SBE partnerships on MDOT and other agency pursuits
• Onyx featured during USDOT Women History Month as a “Women Impacting the Nation in Transportation”
• SBEs featured at MDOT DBE Conference and other local and national conferences
• Value Engineering received first MDOT prequal - Design-Traffic Pavement Marking!
Tarolyn Buckles  
*President of Onyx Enterprise*

- I-94 Small Business  
- HNTB Partner Participant  
- President of NACME  
- Hired two new employees  
- Opened three new offices  
- Participated in Major Duggan’s summer internship program  
- Featured during USDOT Women History Month as a “Women Impacting the Nation in Transportation”  
- Featured by DPTV for the STEM Heroes video project
I-94 Modernization Project
SBE Training Program – Value Engineering

Jon Kolbasa, PE
President of Value Engineering

- I-94 Small Business
- Awarded 2 MDOT Prequals
- Serves as Mentor for LTU Capstone Course
- Owner/Operator of Hip Homes
- Participated in outreach to students at DEPSA Prep School in Detroit
- Added two new employees
I-94 Modernization Project
Next Steps

• Continue to discuss the proposed modifications under consideration with key stakeholders
• Conduct public design charrettes to finalize the aesthetic elements of the Community Connector Bridges
• Complete NEPA re-evaluation process for the Advanced Bridges Phase
• More public meetings
• Continue development of small business training program for Advance Bridges Program Phase II (Design)
• SBE Training Program for CEI Phase I
• Complete additional environmental clearance work related to project modifications being considered
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