Director’s Report

State Transportation Commission
July 18, 2019
Paul C. Ajegba, P.E., Director

Today’s Topics

- Workforce and Succession Planning System aka the “MDOT House”
- 2020 Standard Specifications for Construction
- Lettings
- Tons and Squares
- Bridge Bundling
- Towards Zero Death
2020 Standard Specifications for Construction

Industry Provided Draft of 2020 Specifications

May 2019

MDOT/Industry Impasse Panel Meetings

Nov. 2019 – Jan. 2020

Final Publication

Oct. 2020

11 June 2018

May–Nov. 2019

Feb. 2020

Through May 2019
- Industry Impasse Review

Final Review and Formatting

Implementation, October 2020 letting

MDOT LETTINGS
STATE PROJECTS - Dollars per month

DOLLARS (in million)

LETTING MONTHS

FY15-16
FY16-17
FY17-18
FY18-19
Tons & Squares

<table>
<thead>
<tr>
<th>Item</th>
<th>2019</th>
<th>2020</th>
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<tbody>
<tr>
<td>Tons of HMA</td>
<td>2,754,453</td>
<td>1,703,605</td>
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<tr>
<td>Squares of Concrete</td>
<td>1,335,236</td>
<td>1,015,471</td>
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<tr>
<td>$ of Bridge Work in Millions</td>
<td>$196.41</td>
<td>$214.21</td>
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The values above represent Engineer’s Estimations at the most current project milestone in that fiscal year. This information is draft and may change as the program is developed.
Local Agency Bridge Bundling Initiative

What is Bridge Bundling?
Grouping similar bridges contractually to enable efficient use of program resources, saving time and money on design and construction.

- Applicable to all project types and sizes
- Encourages standardization
- Increases economies of scale
- Reduces management time and construction administration
- Streamlines coordination and permitting
- Achieves significant improvement in local bridge condition statewide

400 LOCAL HIGHWAY BRIDGES ARE RATED IN SEVERE OR CRITICAL CONDITION
44 LOCAL BRIDGES ARE CURRENTLY CLOSED DUE TO LOAD OR CONDITION CONCERNS
244 LOCAL BRIDGES IN POOR CONDITION ARE LOAD RESTRICTED

Local Agency Bridge Bundling Initiative

- Over a waterway
- Over a railroad
- Gateway Bridges in rural downtown areas
- Mobility (part width or full closure during construction)

- Similar scope of work and constraints
- Contracting community capabilities
- Environmental Permitting
- Local preferences

- Construction schedule and readiness
- Innovative project delivery
- Traditional project delivery
- Accelerated Bridge Construction

Mi BRIDGE MY WAY
ZERO CRITICAL BRIDGES IN MICHIGAN BY 2025

BIG HAIRY AUDACIOUS GOAL
Local Agency Bridge Example

Miller Road/Rotunda Avenue over Conrail

- Built in 1931
- Currently in critical condition

Currently supported by over 400 temporary supports, installed in 2017 – 2018 at a cost of $4 million

$58 million to replace – more than the capacity of Local Agency Bridge Program

Wayne County submitted this bridge for inclusion in the Local Agency Bridge Bundling Program
Charlevoix Bascule Bridge

- 1949 – Original Construction
- 1976 – Overlay Spans 1&3, Paint
- 1989 – Spot Paint
- 1992 – Deck Replacement and Paint
- 1995 – Emergency Repair
- 2016 – JN122566, $2.3M Electrical and Mechanical Rehabilitation, Bearing Replacement, Substructure Repair, Structural Steel Repair, Partial Painting

Annual Operating Cost = $237,480

Operations Method – Direct Force (Seasonal)

Escanaba River Bridge

- Scope: Complete Bridge Replacement, new barrier separated, non-motorized trail
- Budget: $18.3 million
- Schedule: Will be completed this summer (2019)
Brevort River Bridge Replacement

- Route: US-2
- Scope: Removal of the existing 1935 structure and replacement
- Detour route: from I-75 to M-123 to Worth Road to US-2 (starts Sept. 3, 2019)
- Budget: $2.3 million
- Schedule: Labor Day to November 13, 2019

*Detour US-2 closure scheduled after Labor Day to minimize impact to tourist traffic.

Towards Zero Death

The TZD National Strategy covers six emphasis areas:

- Drivers and passengers
- Vulnerable users
- Vehicles
- Infrastructure
- Emergency medical services (EMS)
- Safety management and data processes

Vision: A highway system free of fatalities, changing the nation's culture to the point where every traffic-related death is unacceptable.
Questions?