



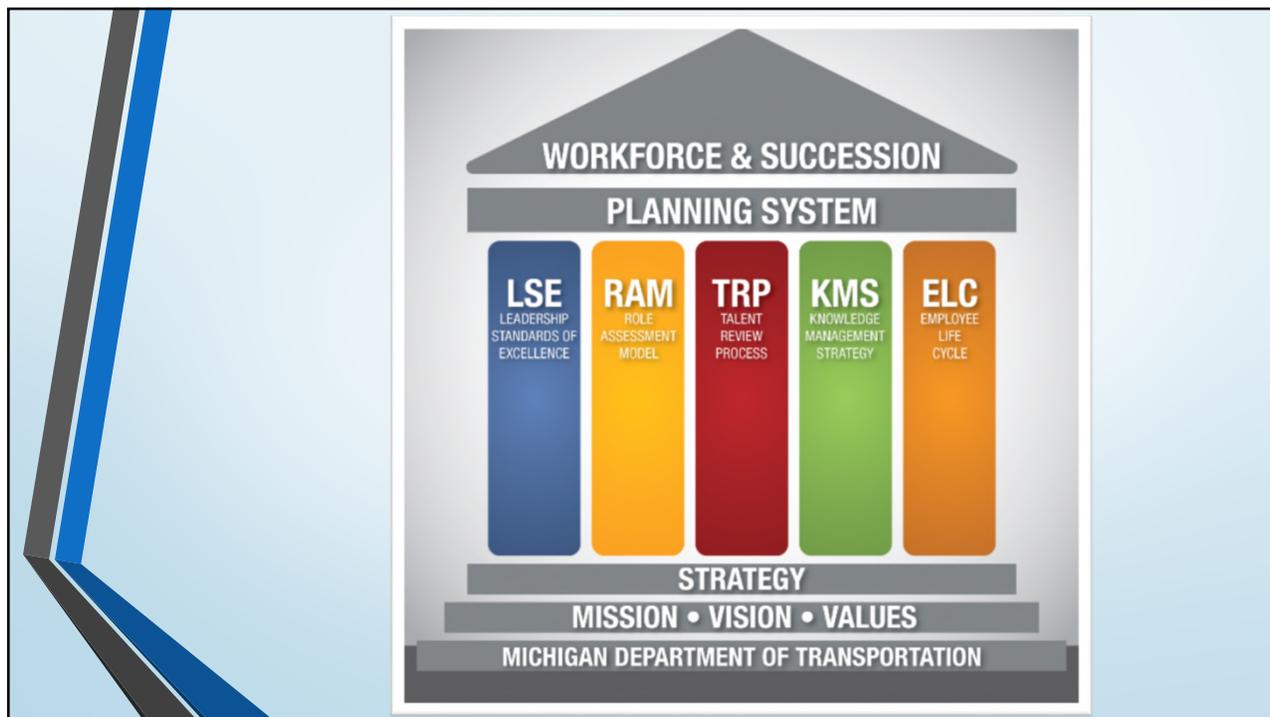
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Today's Topics

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



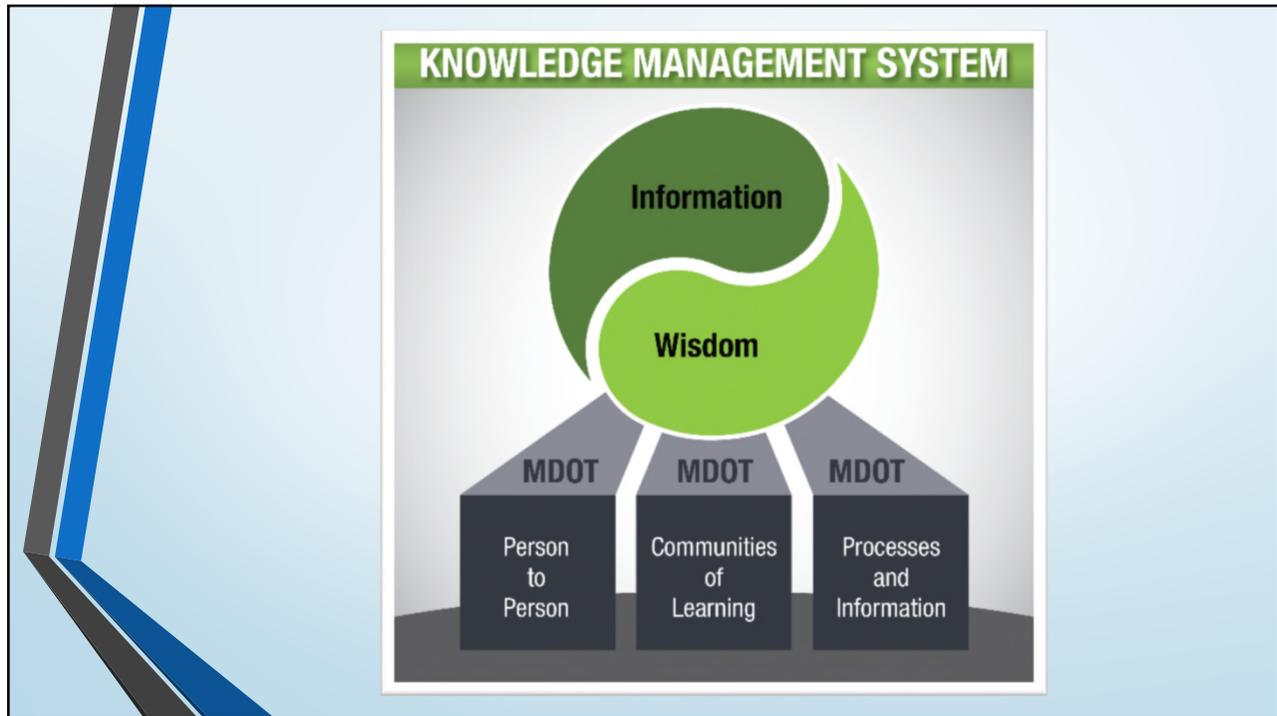
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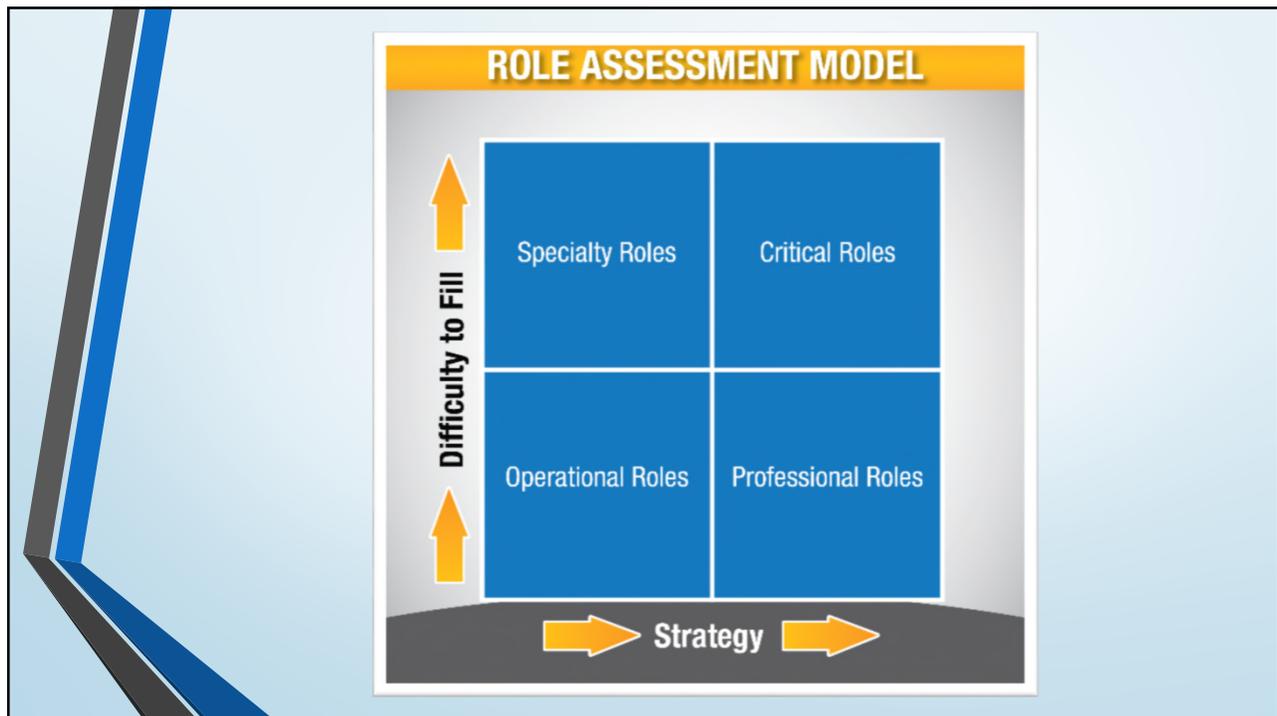
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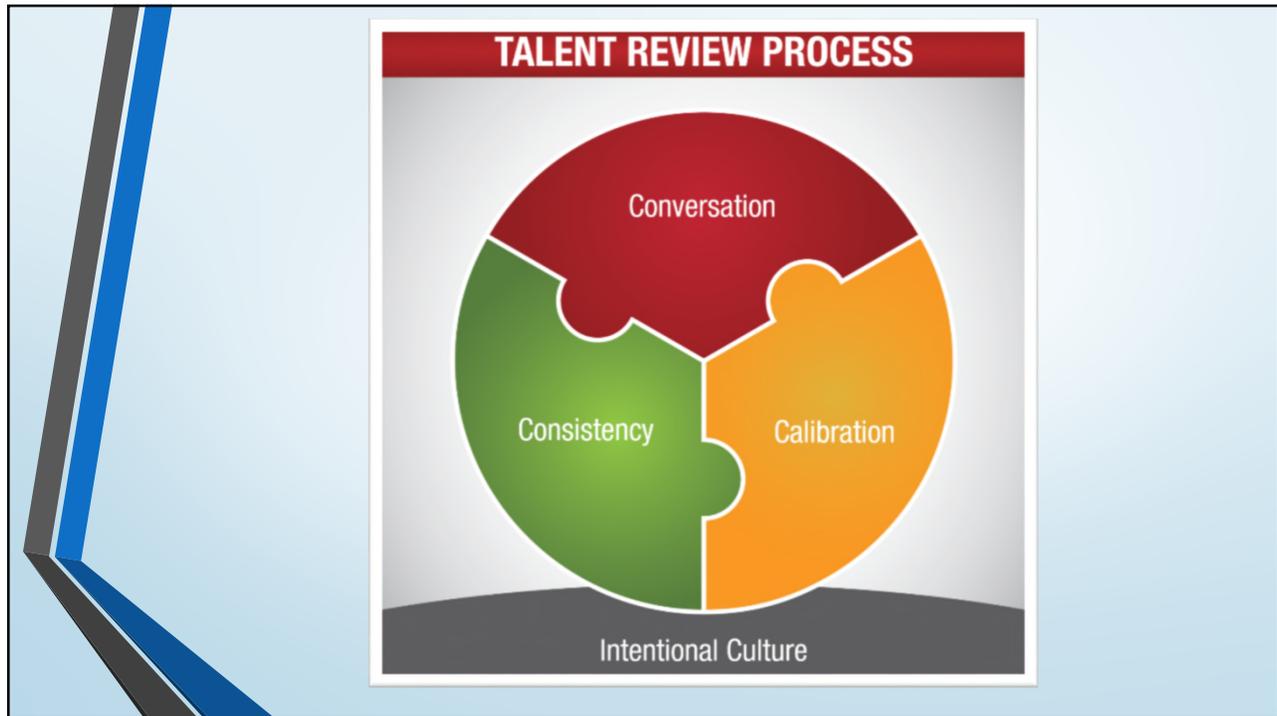
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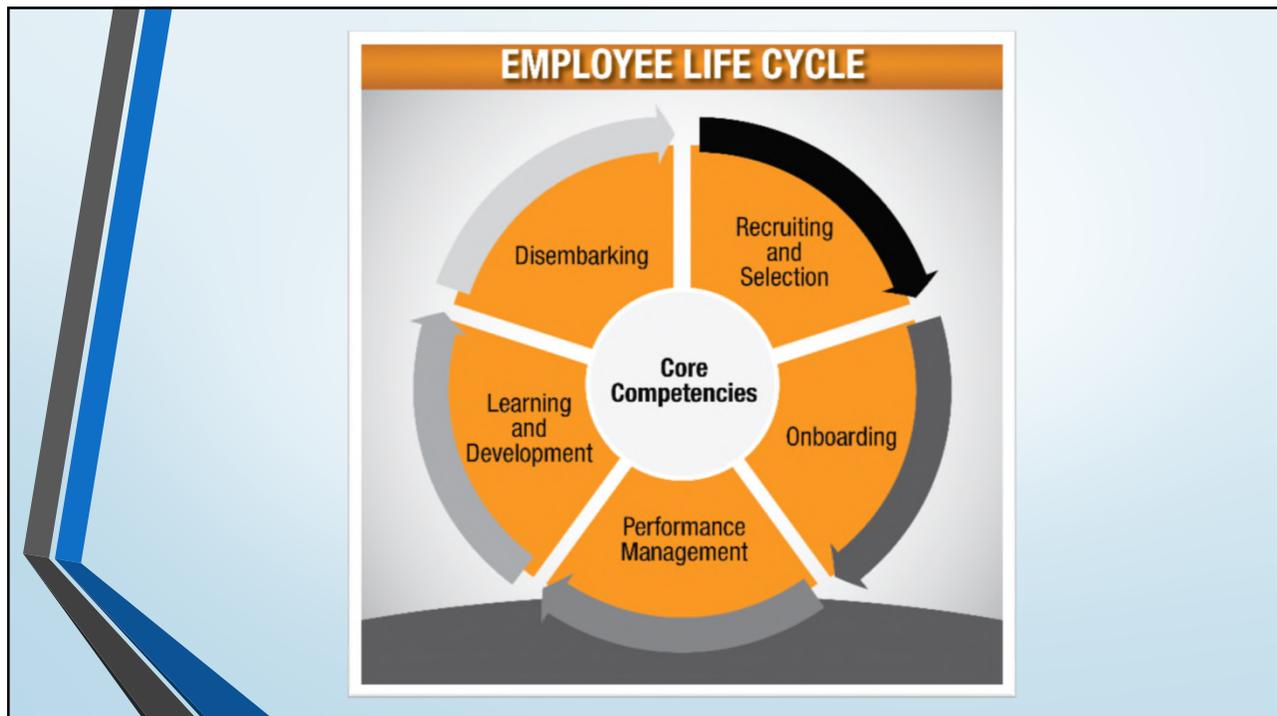
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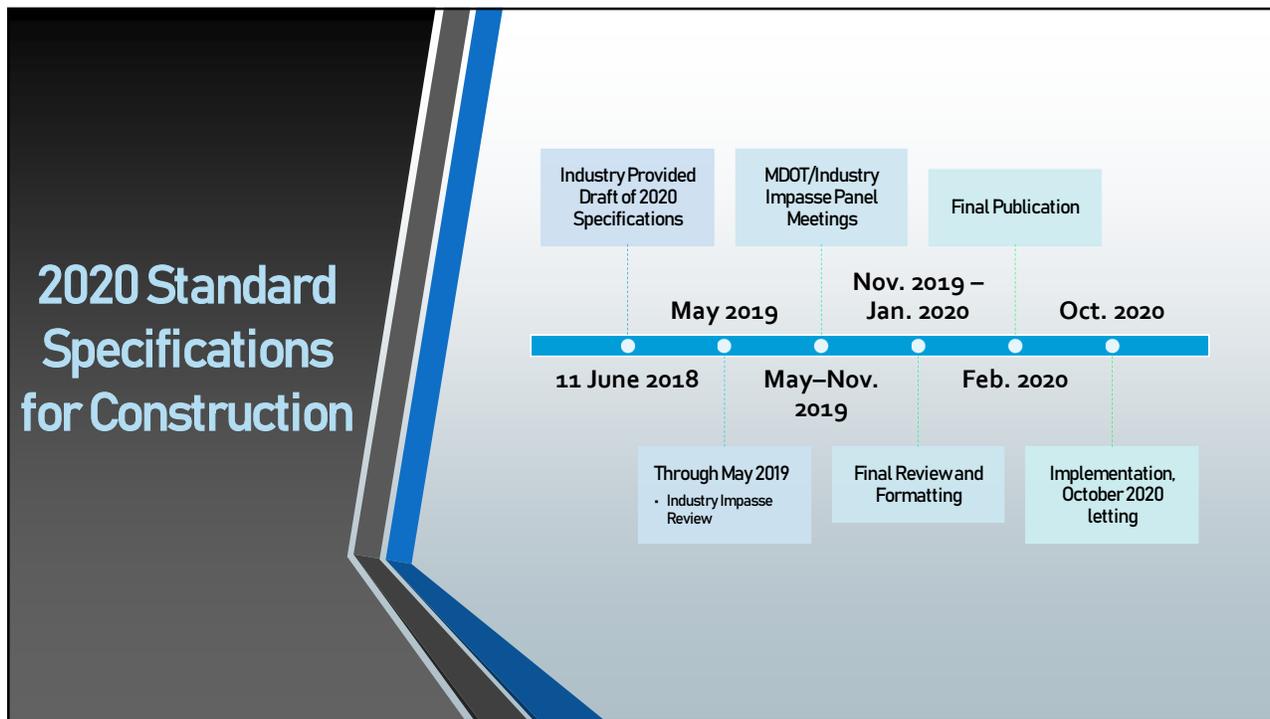
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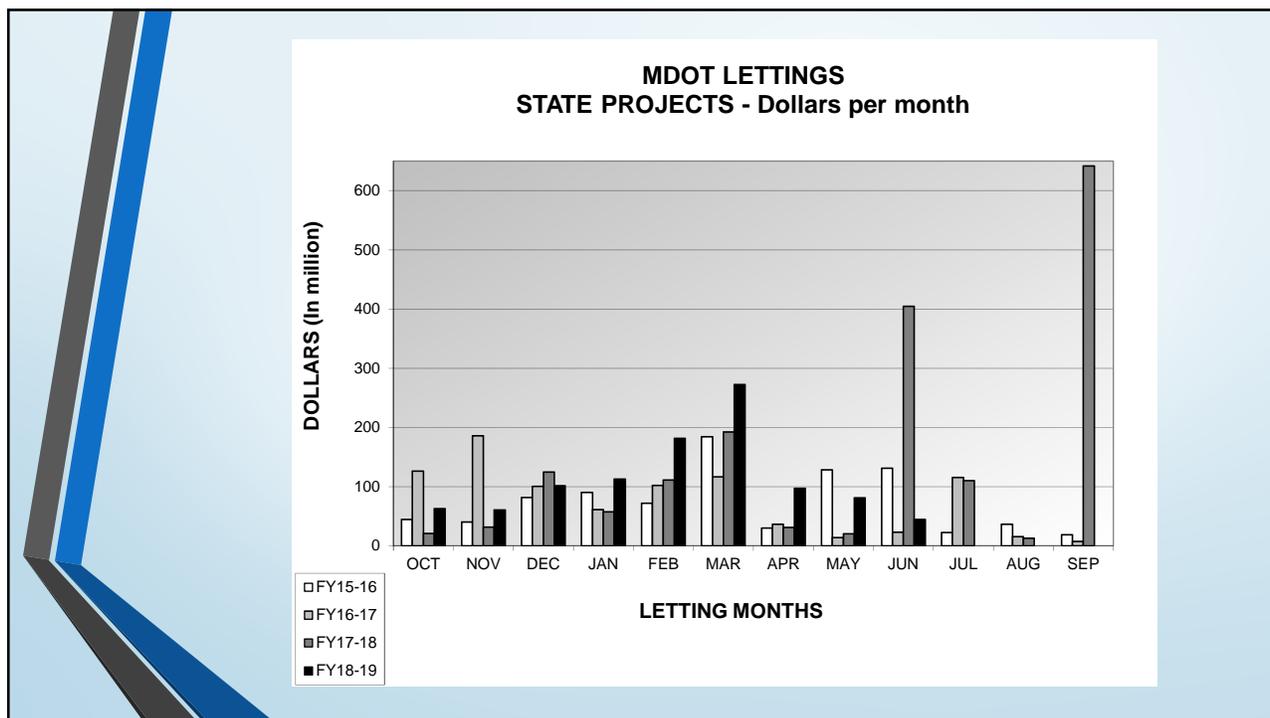
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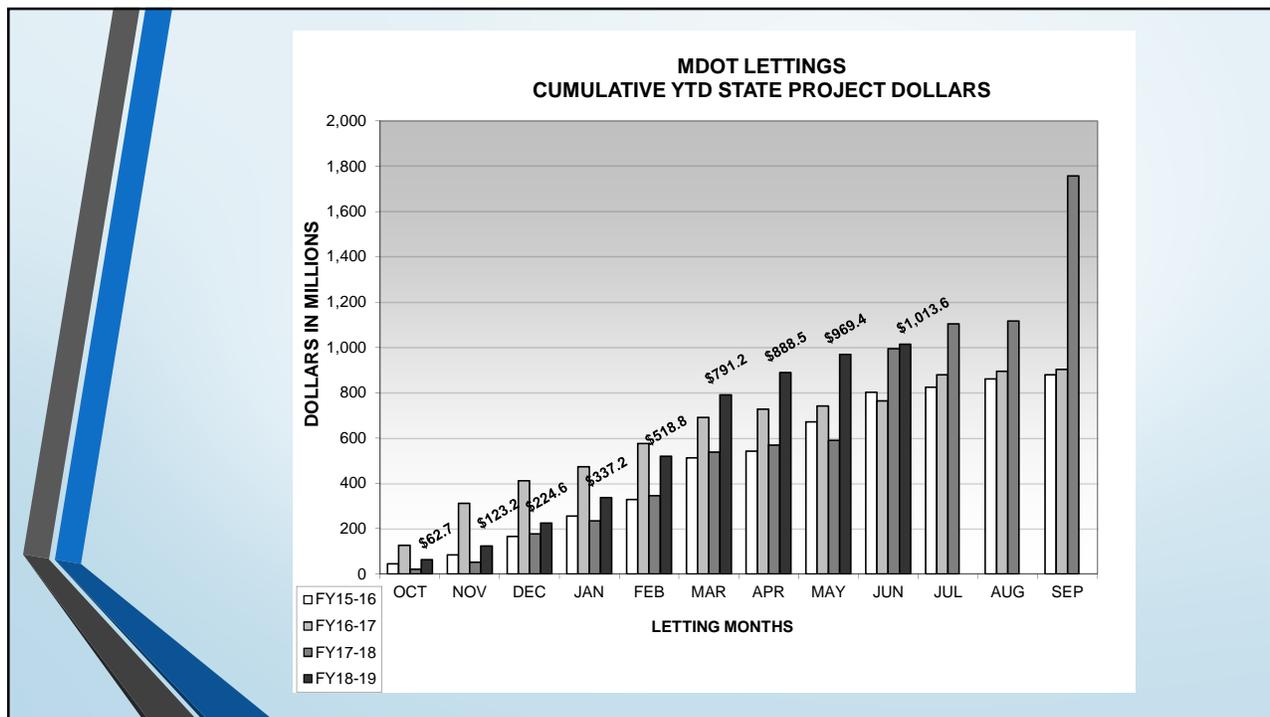
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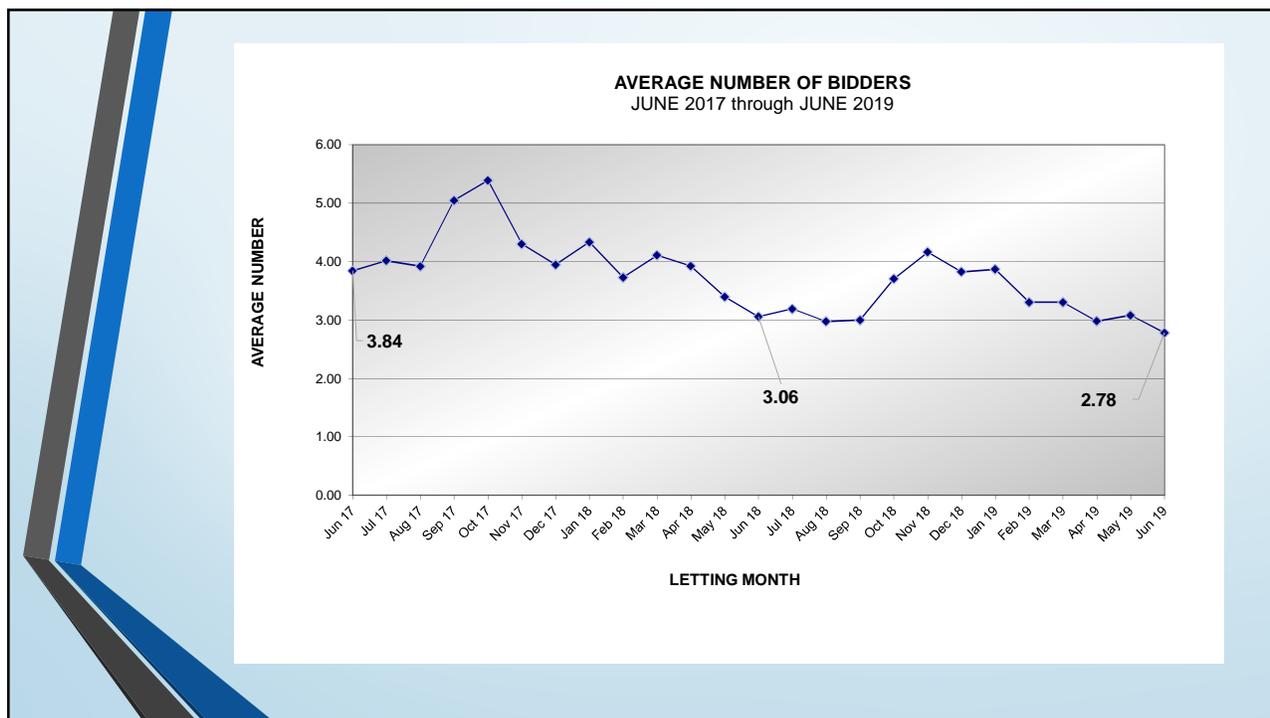
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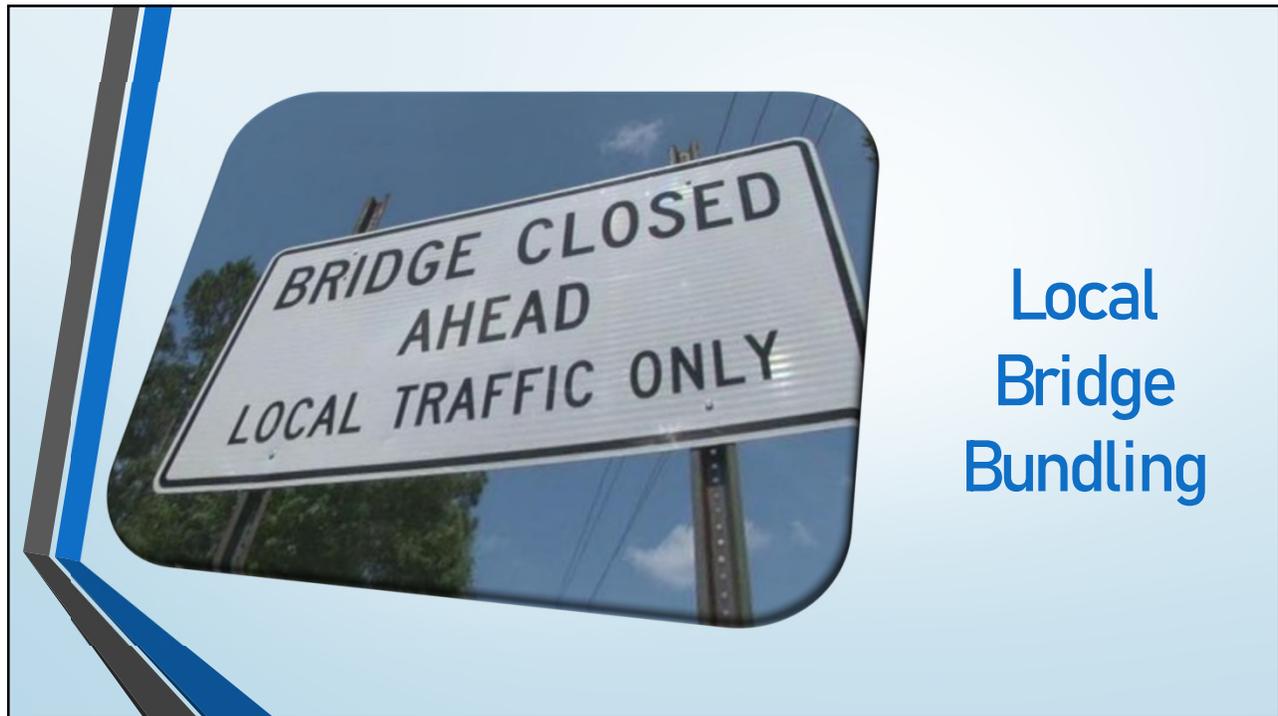
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Tons & Squares

Item	2019	2020
Tons of HMA	2,754,453	1,703,605
Squares of Concrete	1,335,236	1,015,471
\$ of Bridge Work in Millions	\$196.41	\$214.21

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.

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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 external coordination and permitting



Achieves significant improvement to local bridge conditions statewide



400
LOCAL HIGHWAY BRIDGES ARE RATED IN **SERIOUS OR CRITICAL CONDITION**

44
LOCAL BRIDGES ARE CURRENTLY **CLOSED** DUE TO LOAD OR CONDITION CONCERNS

244 LOCAL BRIDGES IN **POOR CONDITION** ARE LOAD RESTRICTED

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Local Agency Bridge Bundling Initiative

Geographic Location

Bundle Size

Delivery Method

<ul style="list-style-type: none"> • Over a waterway • Utilities • Agreements 	<p><i>Over a railroad</i></p> <p><i>Gateway Bridges in rural downtown areas</i></p> <p><i>Mobility (part width or full closure during construction)</i></p>
<ul style="list-style-type: none"> • Similar scope of work and constraints • Contracting community capabilities 	<p><i>Environmental Permitting</i></p> <p><i>Local preferences</i></p>
<ul style="list-style-type: none"> • Construction schedule and readiness • Innovative project delivery 	<p><i>Traditional project delivery</i></p> <p><i>Accelerated Bridge Construction</i></p>



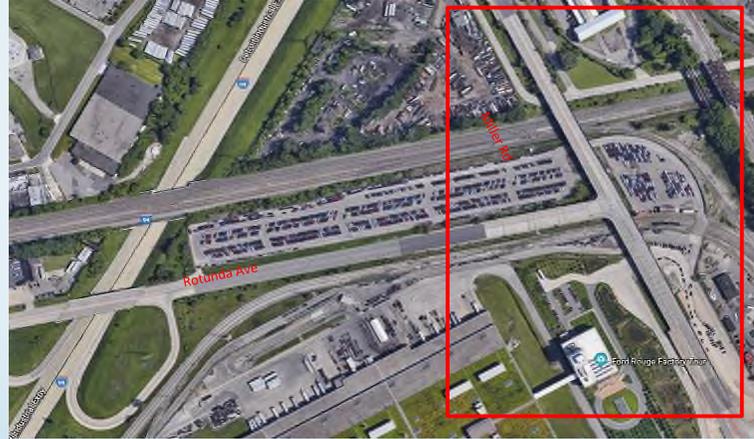
BIG HAIRY AUDACIOUS GOAL

MI BRIDGE MY WAY

ZERO CRITICAL BRIDGES IN MICHIGAN BY 2025

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Local Agency Bridge Example



Miller Road/Rotunda Avenue over Conrail

- Built in 1931
- Currently in critical condition

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Local Agency Bridge Example



Miller Road/Rotunda Avenue over Conrail

- 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



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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)



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Escanaba River Bridge



- Route: US-2/US-41/M-35
- Scope: Complete Bridge Replacement, new barrier separated, non-motorized trail
- Budget: \$18.3 million
- Schedule: Will be completed this summer (2019)

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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

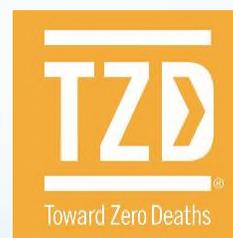
**Detour US-2 closure scheduled after Labor Day to minimize impact to tourist traffic.*

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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



TZD Toward Zero Deaths

June 25, 2019
392

Traffic Deaths
in Michigan this Year



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

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