



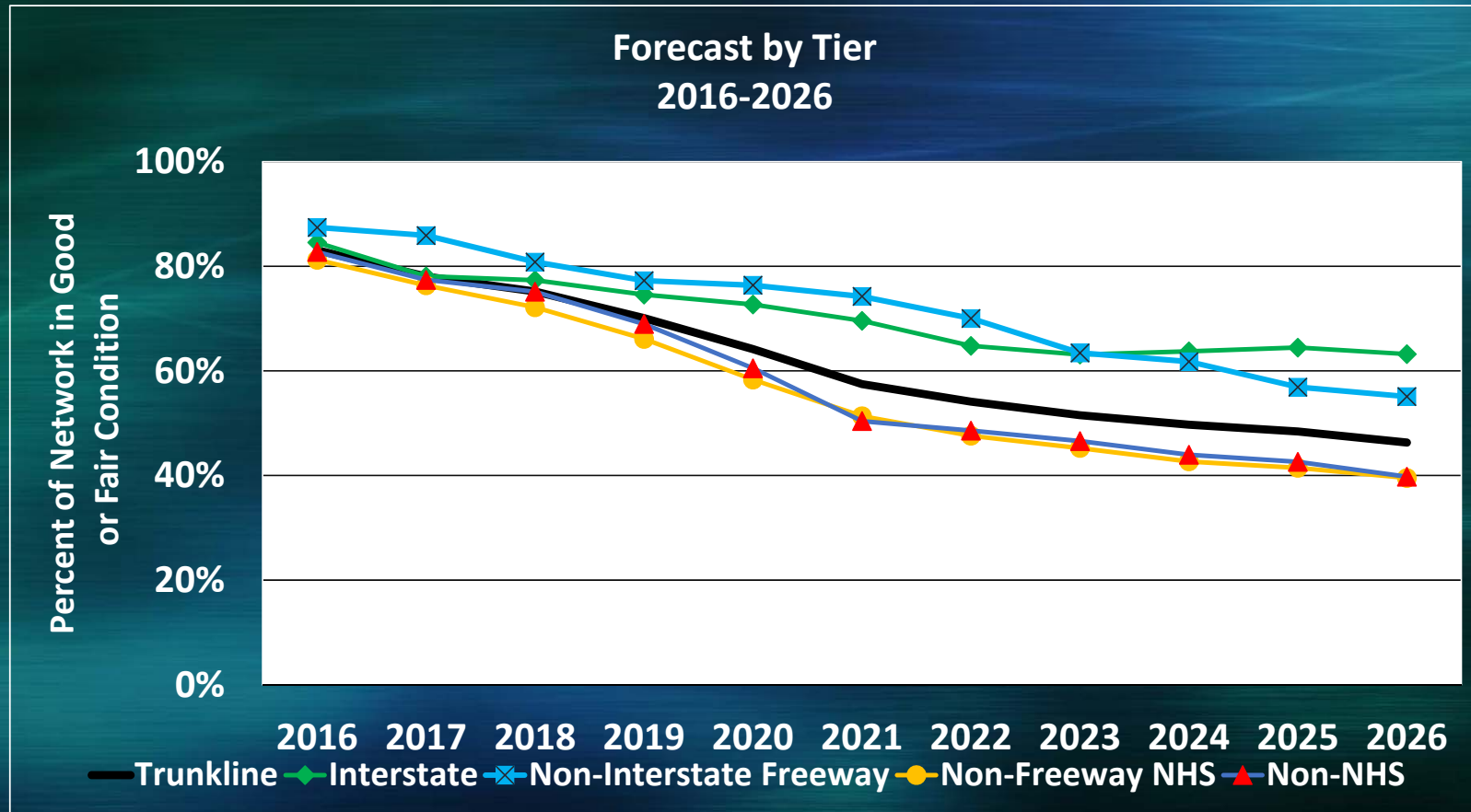
# Asphalt Pavement Association of Michigan Annual Conference

Kimberly Avery, Bureau of Field Services Director  
Michigan Department of Transportation

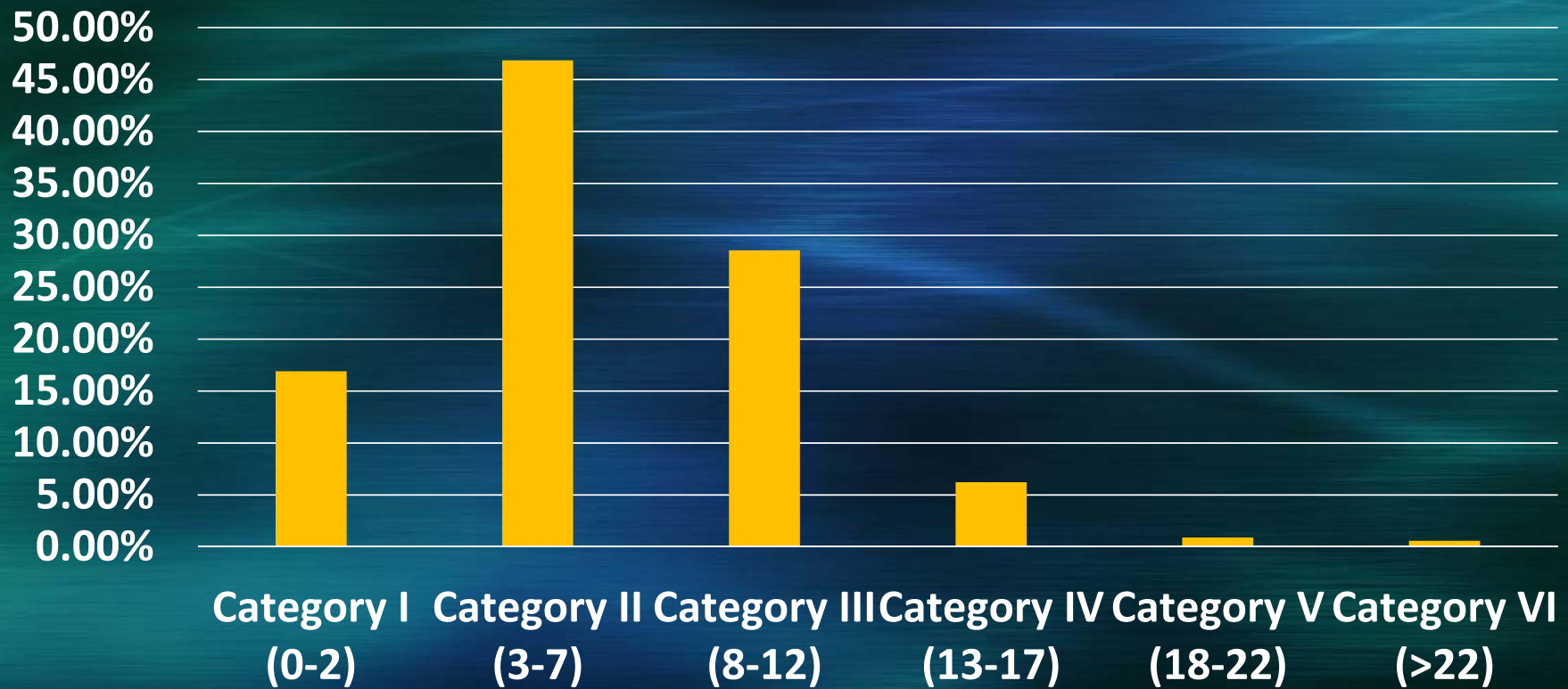
# Historical Lettings in Millions

Trunkline by Region	2013	2014	2015	2016	2017	Region Total	Five Year Ave.
Bay	\$112.4	\$122.9	\$109.9	\$124.6	\$99.1	\$568.9	\$113.8
Grand	\$141.3	\$102.9	\$88.4	\$92.5	\$95.7	\$520.8	\$104.2
Metro	\$236.8	\$251.0	\$193.1	\$283.6	\$387.8	\$1,352.3	\$270.5
North	\$28.3	\$46.6	\$37.0	\$55.7	\$59.6	\$227.2	\$45.4
Southwest	\$79.0	\$115.8	\$86.2	\$104.6	\$46.8	\$432.4	\$86.5
Superior	\$66.8	\$52.3	\$51.1	\$45.8	\$69.3	\$285.3	\$57.1
University	\$66.9	\$80.4	\$207.8	\$71.1	\$152.9	\$579.1	\$115.8
Program Total	\$731.5	\$771.9	\$773.5	\$777.9	\$911.2	\$3,966.0	\$793.2

# Projected Pavement Condition

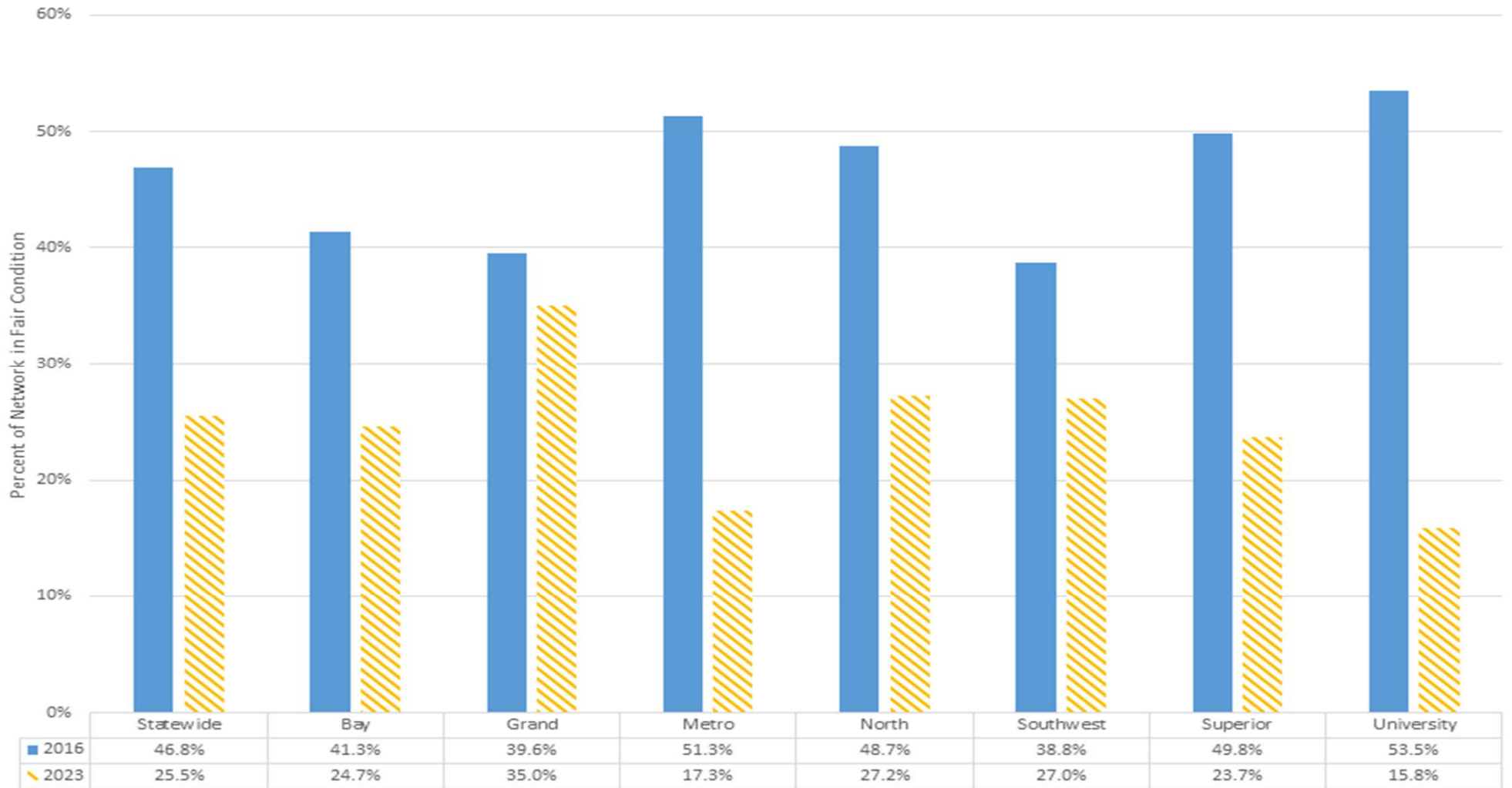


# Pavement Condition Distribution





# MDOT Trunkline Fair (Category II) Pavement Comparison by Region FY 2016 vs FY 2023



# Network Information

- 30,000 Trunkline Lane Miles
- \$2.7M Average cost to Reconstruct
- \$720k Average cost to Rehabilitate
- \$110k Average cost for Preventative Maintenance

## 2019 Projected HMA (TONS)/Concrete (SYDS)

- 1.7 M HMA (Tons)
- 1.0 M Concrete (SYDS)

# FAST Act Update

- Enjoying inflationary funding increases
- Stable & predictable funding continues through FY 2020
- Long-term Highway Trust Fund Concerns
  - Annual funding deficit between \$15-\$20 billion







# President's Infrastructure Proposal

\$1.5 trillion over 10 years

Only \$200 billion in direct federal investments

Remaining \$1.3 trillion from:

- Private sector investments
- Addition revenue from state & local governments

Includes all types of infrastructure

New flexibility for states to toll Interstate & commercialize rest areas



# President's Infrastructure Proposal

- \$100 billion – Infrastructure Incentive Initiatives
  - Funding awarded competitively
  - Most important evaluation criteria is how much non-federal \$ is brought to bear
  - 20% federal share





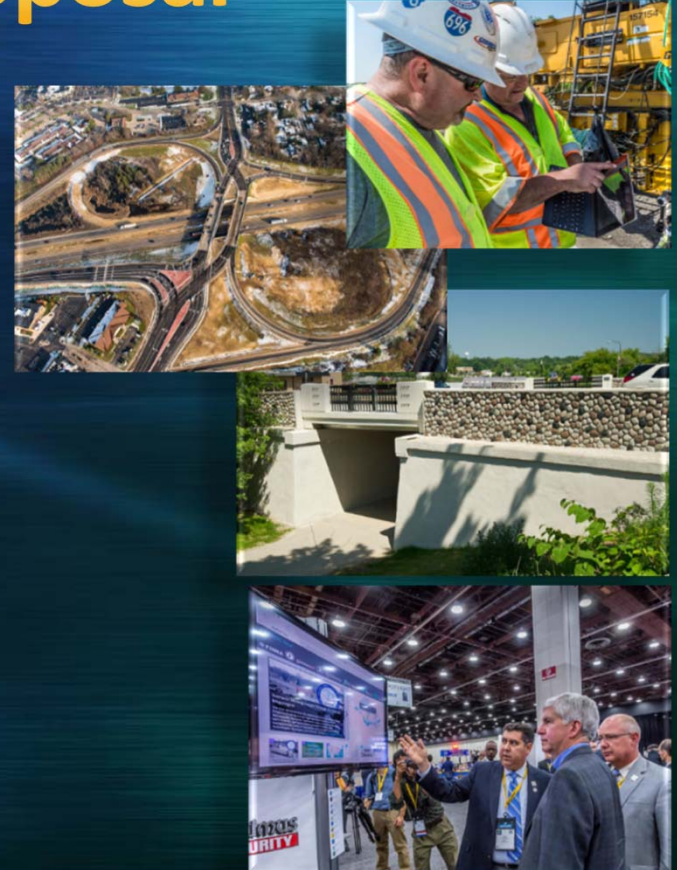
# President's Infrastructure Proposal

- \$50 billion – Rural Infrastructure Program
  - 80% of funds provided to states by formula
  - 20% awarded competitively
  - Requires comprehensive rural investment plan



# President's Infrastructure Proposal

- \$20 billion – Transformative Projects Program
  - Seeking exploratory & ground-breaking ideas
  - Requires some of non-federal share to be equity investments
  - Federal share could be higher than 20%
    - 50% for design & engineering
    - 80% for construction



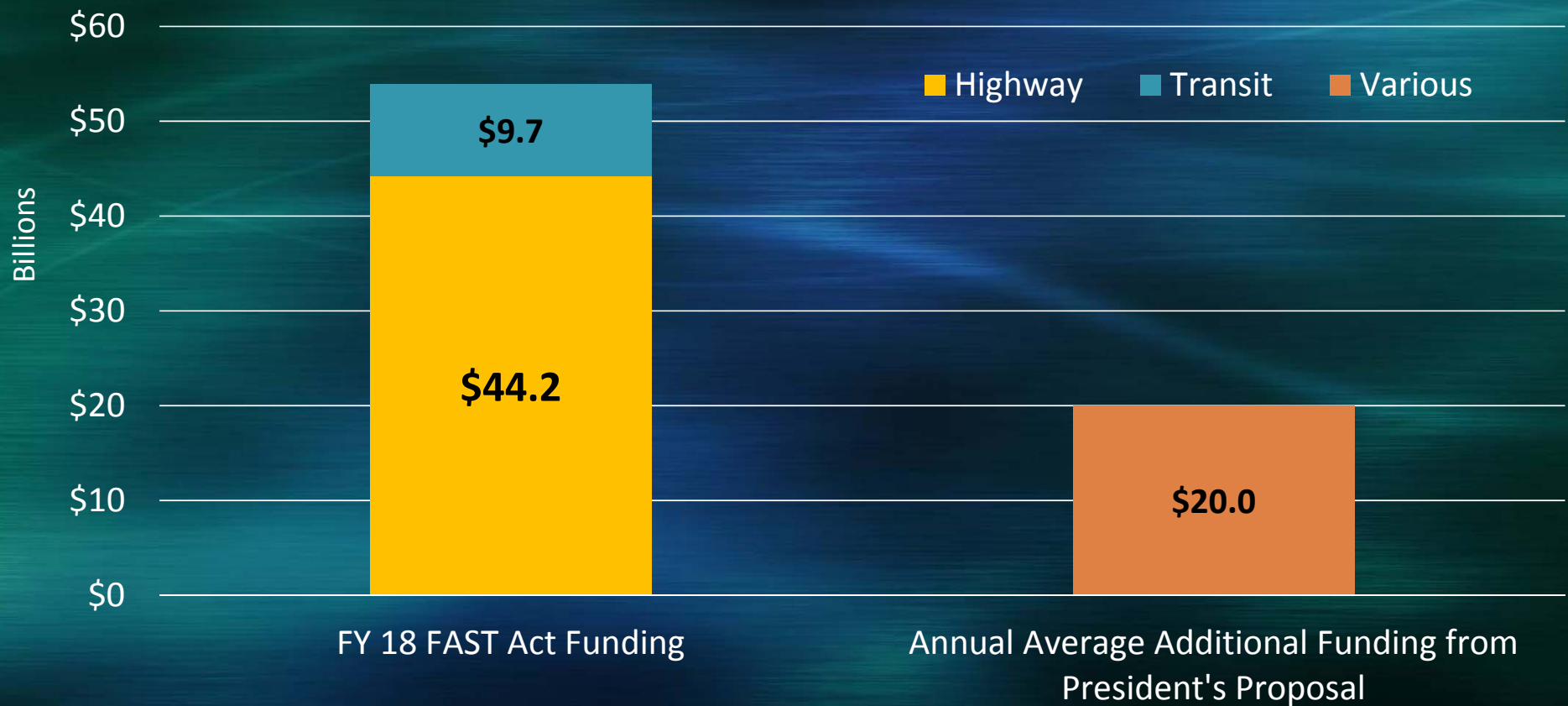




# President's Infrastructure Proposal

- \$14 billion for federal credit programs
  - TIFIA, WIFIA, RRIF, RUS
- \$10 billion for federal capital financing programs
  - Aimed at projects on federal lands or federally-owned buildings

# Comparison of FY 2018 Federal Funding with Additional Amount Proposed by President



# Headwinds Facing Infrastructure Proposal



- No funding identified to pay for proposal
- Busy Congressional agenda
  - FY 2018 budget
  - Immigration
  - Debt limit
- Lack of bipartisan spirit



# 2015 Michigan Revenue Package

- 1<sup>st</sup> year of increased revenues is now complete
  - 20% vehicle-tax increase
  - 7.2- & 11.3-cent/gallon gas & diesel fuel tax increases
- From users' viewpoint
  - Daily auto user fee rose from \$1.00 to \$1.19/day
  - Typical heavy-truck fees rose from 8.99 to 11.19 cents/mile



# Results

<b>User-Fee Increases by Fiscal Year (in millions)</b>	
<b>2017</b>	<b>\$452</b>
<b>2018</b>	<b>608</b>
<b>2019</b>	<b>613</b>
<b>2020</b>	<b>619</b>
<b>2021</b>	<b>625</b>
<b>2022</b>	<b>640</b>

# More to Come

## Income-Tax Appropriation Begins Oct. 1, 2018 (in millions)

2018	\$150
2019	325
2020 & later years	600

- Possibly plus one-time General Fund money in FY 2018. Governor's budget calls for extra \$175 million for state & local roads, & mobility projects from state share.



# A (Slightly) Bigger Bottom Line

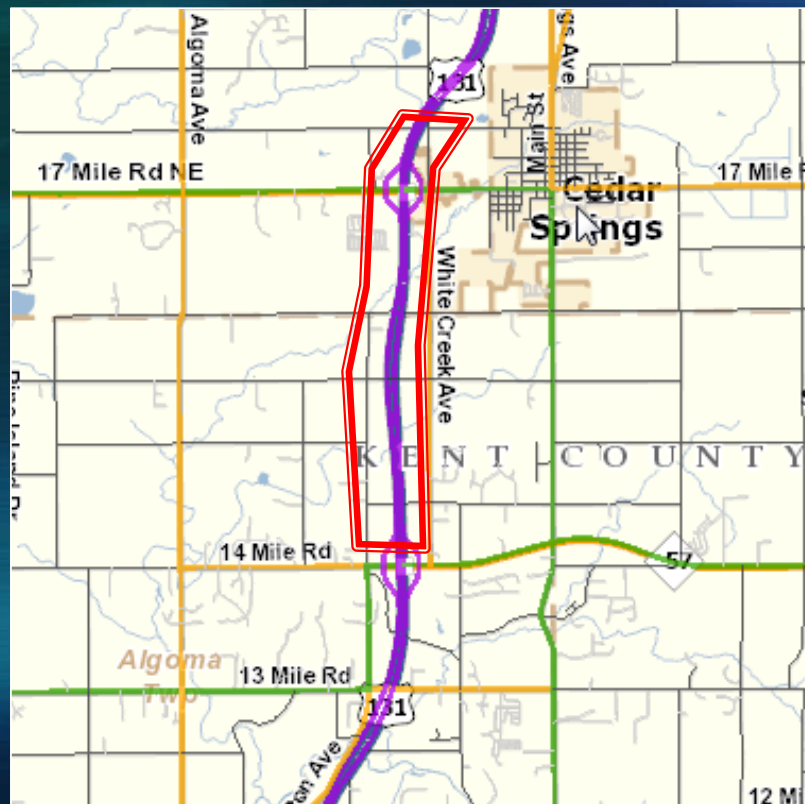
Total MTF Revenues by Fiscal Year	
2017	\$2,617,637,800 actual
2018	2,785,900,000
2019	2,969,450,000
2020	3,175,800,000
2021	3,450,800,000

# Major Initiatives

- Gordie Howe International Bridge
- American Center for Mobility
- Planet M



# US-131 from 14 Mile to White Creek 20 and 30 year Designs

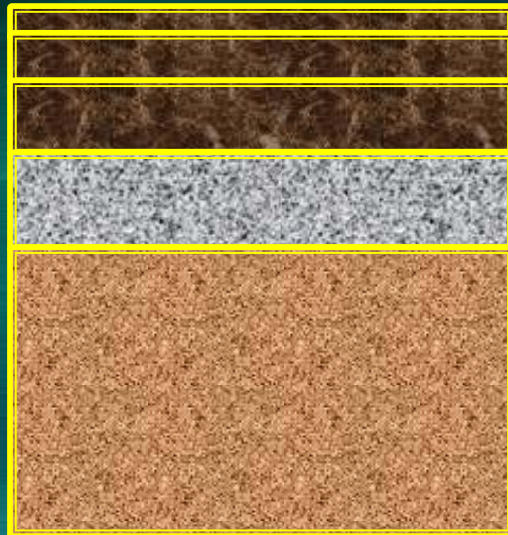




# US-131 from 14 Mile to White Creek

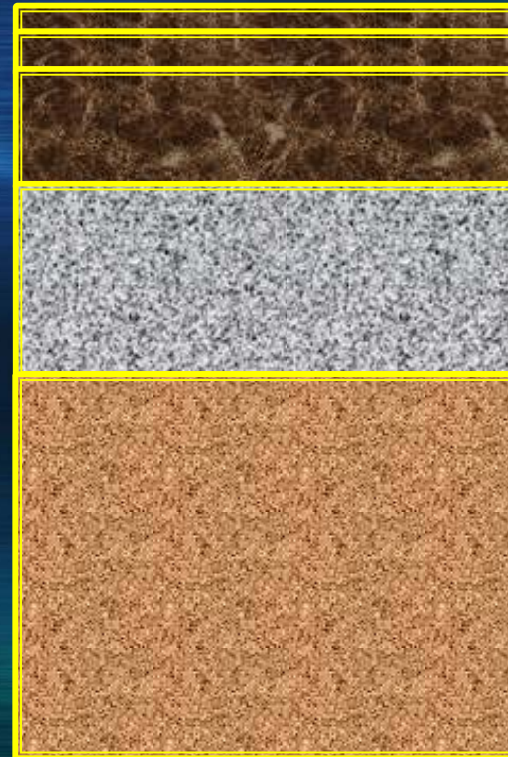
## 20 and 30 year Designs

### 20 year, 8.5 million ESALs



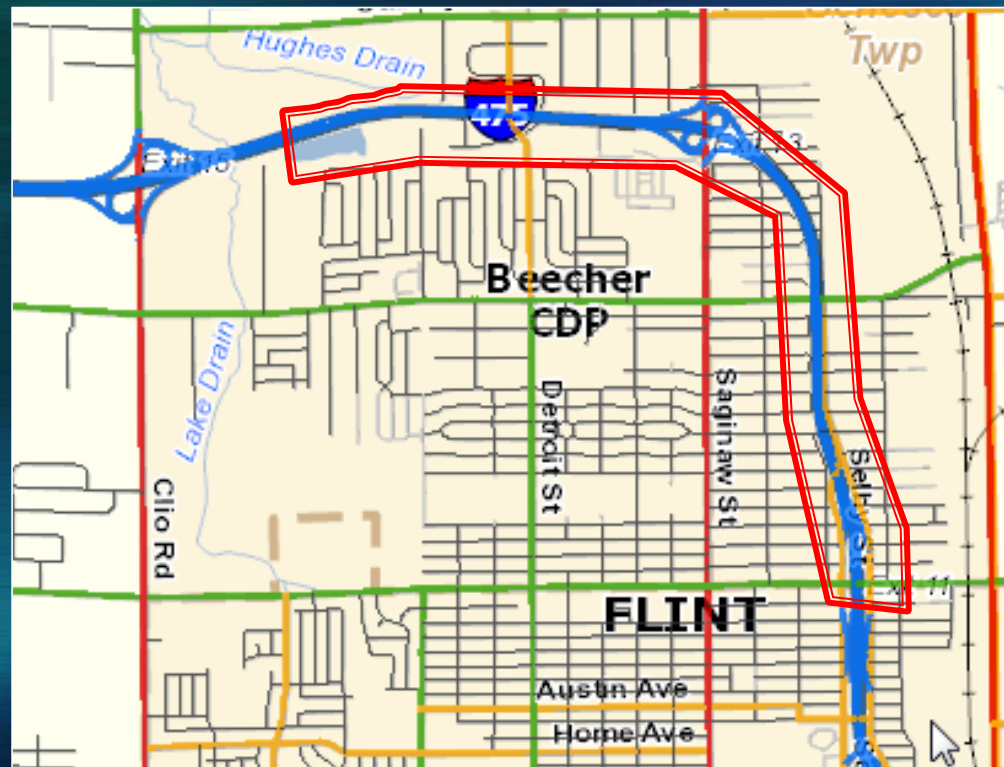
1.75" 5E10 Top  
3" 3E10 Level  
4.5" 2E10 Base  
6" Aggregate Base  
18" Sand Subbase

### 30 year, 13.1 million ESALs



1.5" Gap-Graded Superpave Top  
2.5" 4E30 Level  
7.25" 3E30 Base  
12" Aggregate Base  
24" Sand Subbase

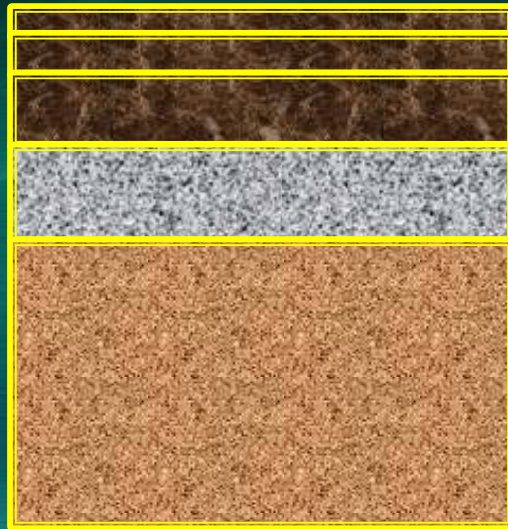
# I-475 from Carpenter Rd to Clio Rd 20 and 50 year Designs



# I-475 from Carpenter Rd to Clio Rd

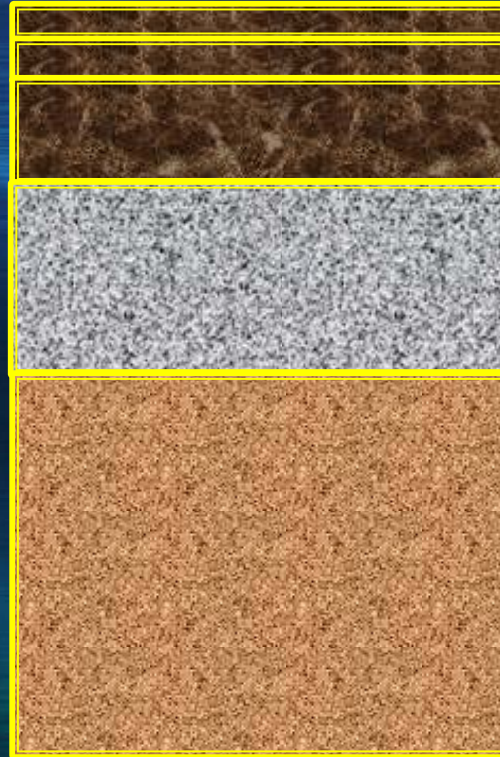
## 20 and 50 year Designs

20 year, 4.1 million ESALs



1.75" 5E10 Top  
2.5" 4E10 Level  
3.5" 3E10 Base  
6" Aggregate Base  
18" Sand Subbase

50 year, 11.5 million ESALs



2" Gap-Graded Superpave Top  
2.5" 4E30 Level  
6.5" 3E30 Base  
12" Aggregate Base  
24" Sand Subbase



# 2020 Standard Specification for Construction Timeline

- Currently Under Development - Industry Represented
- Industry Preliminary Review Spring/Summer 2018
- Industry Impasse Topic Process Fall 2018 thru Summer 2019
- Targeted Publication Late 2019/Early 2020
- Tentative 2020 Spec Will be Effective October 2020 Letting

# *Thank You!*

