

# State Transportation Commission

May 25, 2006

Director Kirk T. Steudle, P.E.  
Michigan Department of Transportation

# Overview

- Local Jobs Today Update
- Metro Region





# State and Local Transportation Agencies Partnering to Provide Local Jobs Today

# Goals of the Program

- **Stimulate the economy and provide jobs today by:**
  - Accelerating construction of local transportation projects
  - Leveraging available federal funding
- **Assist local units in completing projects which received congressional earmarks**



# State Legislative Components

- PA 139 (SB 1132 - Sen. Prusi)
  - Amends Act 51 formula to create Local Federal Match Program within State Transportation Fund
  - Maximum \$80 million
- PA 140 (SB 1192 - Sen. Gilbert)
  - Establishes criteria for project eligibility & grant awards
- PA 141 (HB 6003 - Rep. Casperson)
  - Includes legislative intent establishing priorities for distribution of matching funds



# Grants to Local Agencies

- **Amendments to Act 51 formula:**
  - Award \$80 million to local units
- **Funds to be used for 20% match for eligible local projects**



# Eligible Projects

- **Congressional earmarked projects**
- **Accelerated STIP/TIP projects**
  - Scheduled for 2007, advanced to 2006
  - Scheduled for 2008 or beyond, advanced to 2007
- **Earmarked transit facility construction projects**



# Additional Criteria

- Projects must be under construction or let by September 30, 2007
- Sufficient total funding must be identified
  - Costs beyond federal funding and state match are the local agency's responsibility
- Limited to physical construction and work incidental to construction



# Other Considerations

- Needs of the highway, road, and street system
- Equitable allocation of funds considering geography



# Other Program Details

- **Initial grants likely to be awarded on first-in, first-out basis**
- **After \$40 million is awarded, additional criteria may be recommended by local units, CRAM, and MML to address geographic distribution**
- **MDOT working with CRAM, MML & MPTA to develop grant application and approval process**

# Reporting Requirements

- Report to the Legislature
  - Each February 1<sup>st</sup> and no later than 30 days after \$40 million is awarded
    - List of projects funded
    - List of projects for which grant requests are pending
    - List of eligible congressional earmarked projects (HPP)



# Next Steps

- **MDOT through CRAM & MML will:**
  - Send members information and applications
  - Review grant requests for completeness
  - Forward requests to MDOT
- **Priorities for awarding grants**
  - Earmarks and 2007 projects advanced to 2006
  - 2008 and 2009 projects advanced to 2007
- **MDOT will coordinate with CRAM & MML to evaluate earmarked projects**

# Welcome State Transportation Commission to the Metro Region



Develop and deliver a high quality, integrated transportation system for Southeast Michigan through services that meet our Customers' most important needs.

# Regional Assets

- Over 1,500 bridges
- 4,500 lane miles of trunk line
- 20 carpool lots
- 8 rest areas
- 10 border crossings
- 20 airports
- 60+ transit/bus agencies
  - 2 intercity bus operators
  - 4 local transit providers
  - 88 van pools
- 425 miles of railroad operations
  - 7 freight carriers and 1 passenger carrier
- 7 marine ports



# Condition State

## ● Road Conditions

### – Freeways

- 2006 79.14% Good
- 2007 80.15% Good

### – Non- Freeways

- 2006 90.78% Good
- 2007 88.73% Good

## ● Bridge Conditions

### – Freeways

- 2006 74% Good
- 2008 90% Good

### – Non-Freeways

- 2006 77% Good
- 2008 80% Good



# Regional Mobility

- 13.8 billion annual vehicle miles traveled (AVMT) on metro freeways
- 1.5 billion commercial AVMT
- 48 million public transit riders
- 34.5 million airline passengers



# Transportation Economics

- \$158 billion of trade across our borders
- \$38 billion of rail freight
- 29 million tons of marine freight
- 260,000 tons of air cargo
- 2.1 million jobs



# National and International Connections

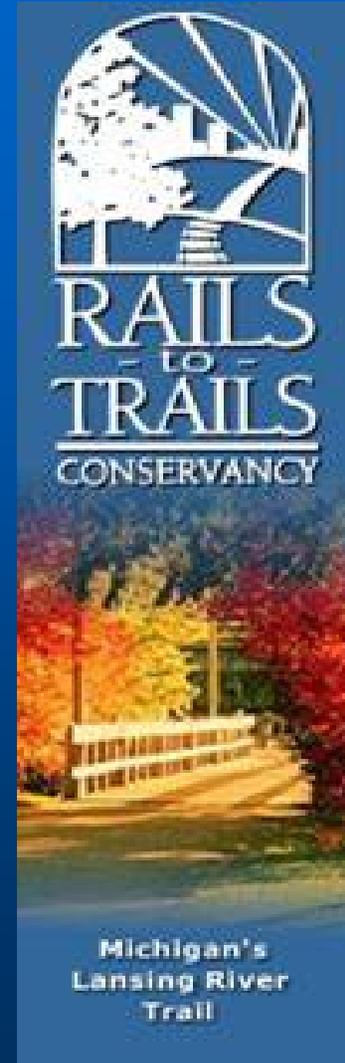
- Detroit Metropolitan Airport is the 7<sup>th</sup> busiest airport in the nation based on operations
- Willow Run Airport is one of the nations largest airports for landed air freight flown exclusively by cargo aircraft
- Detroit is the number one Land Gateway for foreign trade (approx. \$100.9 billion)
- Detroit is 1<sup>st</sup> and Port Huron is 3<sup>rd</sup> in the number of passengers and passenger vehicles crossing the US/Canadian border



# Non-Motorized Opportunities

- **Non-Motorized Committee**

- Revive I-275
- St Clair Master Plan
- Down River Plan
- Polly-Ann Trail
- 21 Mile and 22 Mile Roads over M-53
- Macomb Orchard Trail over M-53
- I-75 at King Road



# Partnering Opportunities

- **Woodward Avenue Action Agency**
- **Delray Community Center**
- **Van Dyke Corridor Communities**
- **SEMCOG**
  - TIP development and transportation modeling
- **Combined Local and MDOT projects**
  - Safety improvements in Macomb and Oakland Counties
  - Utility improvements
  - Enhancements
- **Western Wayne Transportation Task Force**
- **League of Michigan Bicyclists**
- **Michigan Mountain Bike Association**
- **Rails to Trails Conservancy**



# Transportation Program

- **FY 2006 Transportation Program Investment**
    - \$237 Million R&R Program (\$41.7M Jobs Today Funding)
    - \$83 Million Bridge Program ( \$2.4M Jobs Today Funding)
    - \$150 Million Capacity Program
    - \$25 Million CPM Program ( \$8.6M Jobs Today Funding)
    - \$13 Million Safety Program
    - \$9 Million Enhancement , Roadside and Other
    - \$91 Million Transit Services
    - \$55 Million Aeronautics Capital Improvements
    - \$5 Million Rail Freight, Safety & Passenger
- Total Program = \$669 Million**



# Youth Corp

- 55 Youths participated in 2005
- Honored for floral display to celebrate MDOT'S 100<sup>th</sup> year birthday celebration
- Special trash collection prior to All-Star Game
- Mentoring activities provided throughout the Region and by other public and private entities
- Collected over 5,700 bags of litter that weighed over 34,000 lbs - Super Bowl



# Managing Construction Impacts

- Increased coordination between Project Delivery Staff and MITSC
- Treat construction projects like planned special events and non-recurring incidents
- Kick-off to the construction season
- Bi-weekly construction coordination meetings
- Post construction critique
- Real time traffic control



# Innovations

- Urban white-topping on M-3 (Gratiot Avenue) in Detroit
- Perpetual pavement on I-96 in Detroit
- Tied arch bridge in Taylor
- Real time traffic control
- Soil erosion and sedimentation control
- Lime stabilization
- Painted rumble strips
- Chevrons



# Construction Zone Police Patrols

- 2006 Michigan State Police Patrols
  - Budget of \$200,000 Regionwide
    - I-94 (St. Clair County)
    - I-96 (Oakland County)
    - I-75 (Wayne and Oakland Counties)
    - M-53 (Macomb County)
    - M-10 (Oakland County)
    - M-14 (Wayne County)



Local police patrols may be used on some surface roads

# A Partnership to Promote Alternative Modes for Commuters



Don't be stuck behind the wheel when the Lodge Freeway (M-10) construction begins, wasting time, fuel and money. Reduce stress and preserve your bank account.

Get to work by:

**TRANSIT • CARPOOLING • VANPOOLING  
WALKING OR BIKING**

*A better way to get there!*



# Macomb TSC

38257 Mound Road  
Sterling Heights, MI 48310  
586-978-1935



**TSC Manager: Drew Buckner**

**Development Engineer: Colin Forbes**

**Delivery Engineer: Dan Everett**

# Romeo State Airport

- \$187,500
- Development of SW area
- Aircraft hangars
- Increase capacity for users



# I-696

## Dequindre to Hayes

**Communities: City of Warren**

**ADT = 159,000**

**Concrete pavement restoration**

**Maintaining Traffic:  
Up to two lanes closed nights  
and weekends**

**Start = June 2006**

**End = Nov 2006**

**Price = \$4.8 million**



# I-696 at M-3 (Gratiot Avenue), Groveland, Barkman and Belanger

**Communities:**

**City of Roseville**

**ADT = 159,000 (I-696)  
62,000 (Gratiot Ave.)**

**Rehabilitation of 5 Bridges**

**Start = May 2006**

**End = September 2006**

**Price = \$2.8 million**

**Maintaining Traffic: M-3 traffic will be maintained with staged construction. Groveland, Barkman and Ballenger will be closed and detoured**



# M-3 (Gratiot Avenue)

## M-102 (8 Mile Road) to 14 Mile Road

**Communities:** Eastpointe and Roseville

**ADT = 26,000**      **Mill and Resurface**

**Maintaining Traffic:** Single lane closures at any time,  
multiple lane closures nights and weekends

**Start = April 2006**

**End = July 2006**

**Price = \$3.5 million**



# Safety Related Projects

- I-94 from 23 Mile to M-59 - Guardrail Installation
- I-696 at M-53 – Turnaround bridge widening
- M-97 (Groesbeck Highway) over the Clinton River – Bridge De-icing System
- M-53 (Van Dyke) under 21 Mile and 22 Mile Roads – New non-motorized/pedestrian structures
- M-53 (Van Dyke) at 15 Mile Road – Access reconfiguration

# Oakland TSC

2300 Dixie Highway, Suite 300  
Waterford, MI 48326



TSC Manager: Paul Ajegba

Development Engineer: Tom Pozolo

Delivery Engineers:

Dennis Cooper

Gerard Pawloski

Mark Stuecher

# I-696 at Franklin Road

**Community: Southfield**

**ADT = 100,400**

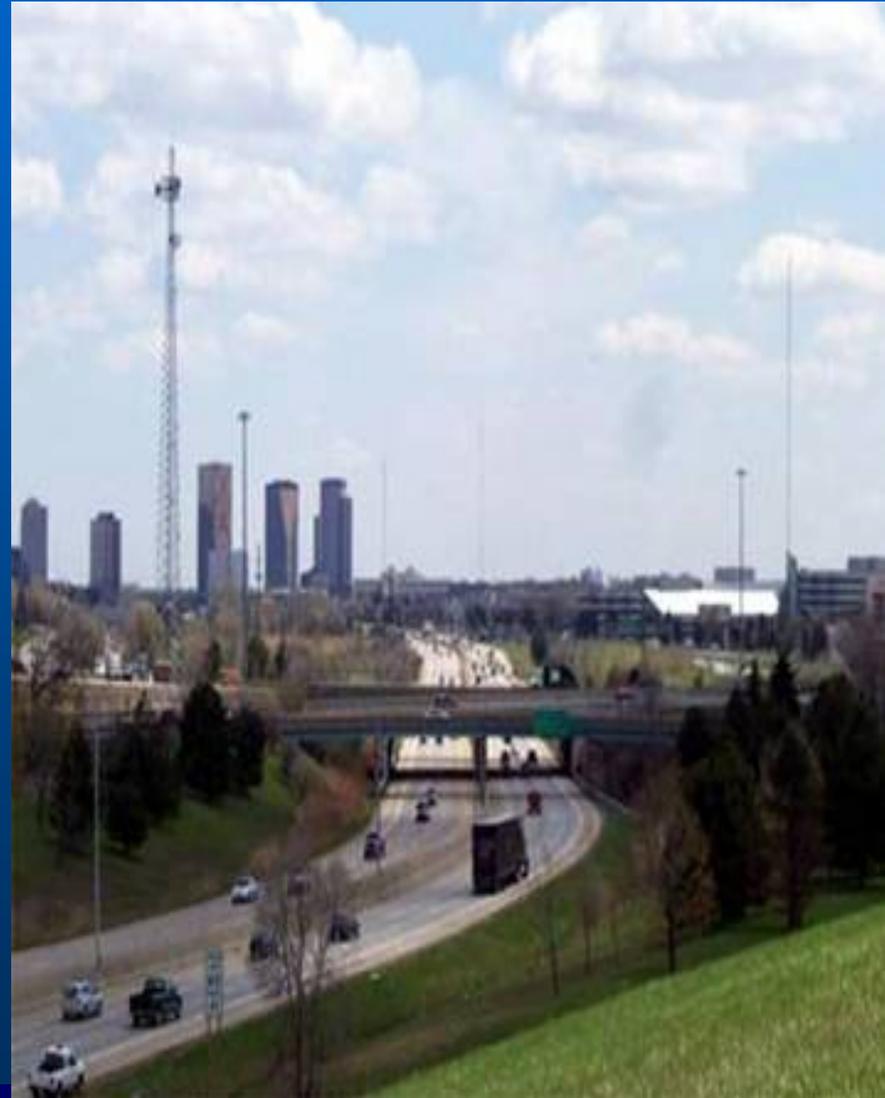
**Interchange Upgrade and  
Rehabilitate 3 Bridges**

**Traffic Control Plan : Lane and  
ramp closures, Special  
provision for all new TCDs**

**Start = April 2006**

**End = October 2006**

**Price = \$21 million**



# M-10

## Lahser to Beck

**Community: City of Southfield**

**ADT = 150,000**

**Reconstruct Roadway and Rehabilitate 3 Bridges**

**Maintaining Traffic: Lane and ramp closures**

**Start = April 2006**

**End = October 2006**

**Price = \$29.8 million**



# **US-24 (Telegraph Road) Orchard Lake to Elizabeth Lake**

**Communities: Pontiac, Sylvan Lake, Bloomfield Twp.  
and Waterford Twp.**

**ADT = 36,000**

**Road Reconstruction and  
Bridge Rehabilitation**

**Traffic Control Plan –  
Maintain one lane in each  
direction**

**Start = September 2005**

**End = October 2006**

**Price = \$13.7 million**



# M-1 (Woodward Avenue) at M-102 (8 Mile Road)

**Communities: Cities of Ferndale  
and Detroit**

**ADT = 24,000 (M-1) 70,000 (M-102)**

**Road Reconstruction and Bridge  
Rehabilitation**

**Traffic Control Plan – Maintain one  
lane in each direction**

**Schedule:**

**Start = September 2006**

**End = July 2007**

**Price = \$10 million**



# M-1 (Woodward Avenue) at M-102 (8 Mile Road)

## Arrangements and Considerations:

Walking Tour

Preference Survey

Animation Workshop

Design Competition

Community and Project Team

Designed Aesthetics

Project Website

800 telephone hotline

Dedicated e-mail address



# Port Huron TSC

2127 11<sup>th</sup> Avenue  
Port Huron, MI 48326  
810-985-5011



TSC Manager: Larry Young

Blue Water Bridge Engineer: Mike Szuch

Delivery Engineer: Ken Holbert

# I-94

## I-94 BL (Gratiot Avenue) to Griswold

**Communities: St Clair, Kimball and Port Huron Townships**

**ADT = 28,000**

**Concrete Overlay (Road), Rehabilitate 3 Bridges**

**Traffic Control Plan:**

**Staged Construction will be used to complete the project. Westbound I-94 will be constructed first.**

**Eastbound I-94 will be constructed during Stage II. I-94 BL and adjoining ramps are coordinated with the staging for I-94.**

**Start = April 2006,**

**Complete = October 2006**

**Price: \$40 million**



# Blue Water Bridge



# Blue Water Bridge Plaza Expansion

<u>Date</u>	<u>Action</u>
1/03/06	DEIS submitted to FHWA/Cooperating Agencies
3/28/06	Anticipated Public Hearing
6/16/06	Anticipated Decision on preferred alternative
2/01/07	Anticipated FEIS completed
11/03/07	Anticipated Record Of Decision (ROD)

## LEA Security Enhancement Project

**\$600,000 Total Budget for the Design and Construction  
Admin.**

**Scope of Work - security assessment confirmation, design  
and contract administration for the installation of an  
integrated security system**

- **Engineers Estimate of Construction Cost - \$2.2 Million**
- **Completion Date – Dec. 31, 2006**

# Blue Water Bridge

## 25% Challenge

An initiative sponsored by the Department of Homeland Security with the goal of reducing transit times by 25% at all greater Detroit Border Crossings. Items recommended for implementation and their status for the Blue Water Bridge are as follows:

<u>Item</u>	<u>Agency</u>	<u>Est. Cost</u>	<u>Completion Date</u>
<i>EB I-94 Ramp Widening</i>	<i>MDOT</i>	<i>\$400,000</i>	<i>11/11/05</i>
<i>Nexus/Fast</i>	<i>CBP</i>	<i>\$700,000</i>	<i>6/30/06</i>
<i>4 Prim. Insp. Booths</i>	<i>GSA</i>	<i>\$600,000</i>	<i>6/30/06</i>
<i>16 Variable Message Signs</i>	<i>MDOT</i>	<i>\$500,000</i>	<i>6/30/06</i>

# Taylor TSC

25185 Goddard  
Taylor, MI 48180  
313-375-2400



TSC Manager: Kimberly Avery  
Development Engineer: Gorette Yung

Delivery Engineers:

Bill Erben

John Sanford

Brian Scharboneau

# M-14

## West Wayne County Line to Haggerty

**Community: Plymouth Township**

**ADT = 80,000**

**Reconstruct and Rehabilitate  
Roadway. Rehabilitation of 23  
Bridges**

**Traffic Control Plan – One lane of  
traffic maintained at all times on M-14  
utilizing cross overs. Sheldon and  
Beck Road ramps will not be closed  
at the same time.**

**Start = April 2006**

**End = October 2006**

**Price = \$38 million**



# **M-153 (Ford Road) Mercury to US-12 (Michigan Avenue)**

**Community: Dearborn**

**ADT = 74,000**

**Reconstruct Roadway and Bridge Rehabilitation**

**Traffic Control Plan – Maintain two lane in each direction. Night and weekends traffic may be reduced to one lane in each direction**



**Start = June 2006**

**End = November 2007**

**Price = \$22 million**

# Jobs Today

## I-75 Gibraltar to Toledo Dix

**Communities: Brownstown Twp.,  
Flat Rock and Woodhaven**

**ADT = 80,000**

**Reconstruct Freeway and  
Rehabilitate 24 bridges**

**Traffic Control Plan – Two lanes  
maintained in each direction**

**Start = October 2006**

**End = November 2007**

**Price = \$59 million**



# Detroit TSC

1400 Howard Street  
Detroit, MI 48216  
313-965-6350



TSC Manager: Rita Screws

Associate Manager: Mark Sweeney

Development Engineer: Abel Sahloul

Delivery Engineers:

Victor Judnic      Roger Teale      Jason Voigt

# M-1

## Winchester to Tuxedo

**Communities: Detroit and Highland Park**

**ADT = 26,000**

**Mill and Resurface**

**Traffic Control Plan – Maintain  
one lane in each direction in  
Highland Park**

**Start = April 2005**

**End = July 2006**

**Price = \$7 million**



# M-39 Bridges

## Paul, Warren, Tireman and Rotunda

**ADT = 128,000 (M-39)**

**Bridge Replacement:**

**Paul and Tireman**

**Superstructure Replacement:**

**Warren and Rotunda**

**Traffic Control Plan – M-39; two lanes maintained in each direction on weekdays. Full freeway closure with detour on weekends. Local roads closed and detoured.**

**Start = January 2006**

**End = October 2006**

**Price = \$5 million**



# I-75

## M-102 to Piquette

**ADT = 170,000**

**CPM Mill and Resurface**

**Traffic Control Plan – Weekend and night work only; full closure of segments nights and weekends except during holidays and special events. Intermittent ramp closures.**

**Start = March 2006**

**End = August 2006**

**Price = \$2.6 million**

# I-75 & I-96 Ambassador Bridge Gateway

**Metro Region Planner - Andy Zeigler**



# Existing Project Location



# Proposed Schedule

## Contract 4

- **Complete Design**      **Summer 2006**
- **Advertisement**      **Fall 2006**
- **Construction Letting**      **Winter 2007**
- **Construction**      **Winter 2007 – Winter 2009**

# What's In Metro's Future

## ● Significant Projects:

- Fort St. Bascule Bridge replacement in Detroit 2008
- I-94 resurfacing in Macomb Co. 2007
- Gratiot reconstruction in Mt. Clemens 2007
- M-10 reconstruction in Southfield/Detroit 2007
- Telegraph Road reconstruction in Brownstown Twp 2008
- I-96/Wixom Road interchange reconst. 2008
- I-94 conc. overlay St. Clair Co. 2008

# What's in Metro's Future

- **Significant projects (continued)**
  - **I-75 reconstruction southern Wayne Co. 2008**
  - **I-696/Mound Road interchange rehabilitation Warren 2007**
  - **M-10 bridge corridor rehabilitation Detroit 2007**

# What's in Metro's Future

- **Increased focus on optimizing operation of the system by continued integration of MITSC and ITS**
- **Engineering reports for I-94 reconstruction in Detroit and I-75 widening in Oakland County**
- **Continued optimization of maintenance efforts to improve roadside appearance**
- **Continued improvement in safety of the trunkline system in Metro using statewide and national best practices**

# Questions