

# MICHIGAN DEPARTMENT OF TRANSPORTATION DESIGN-BUILD

Industry Informational Meeting:

## **M-59 Interchange at Crooks Road**

Presenters:

Lori Swanson, P.E. - Oakland TSC

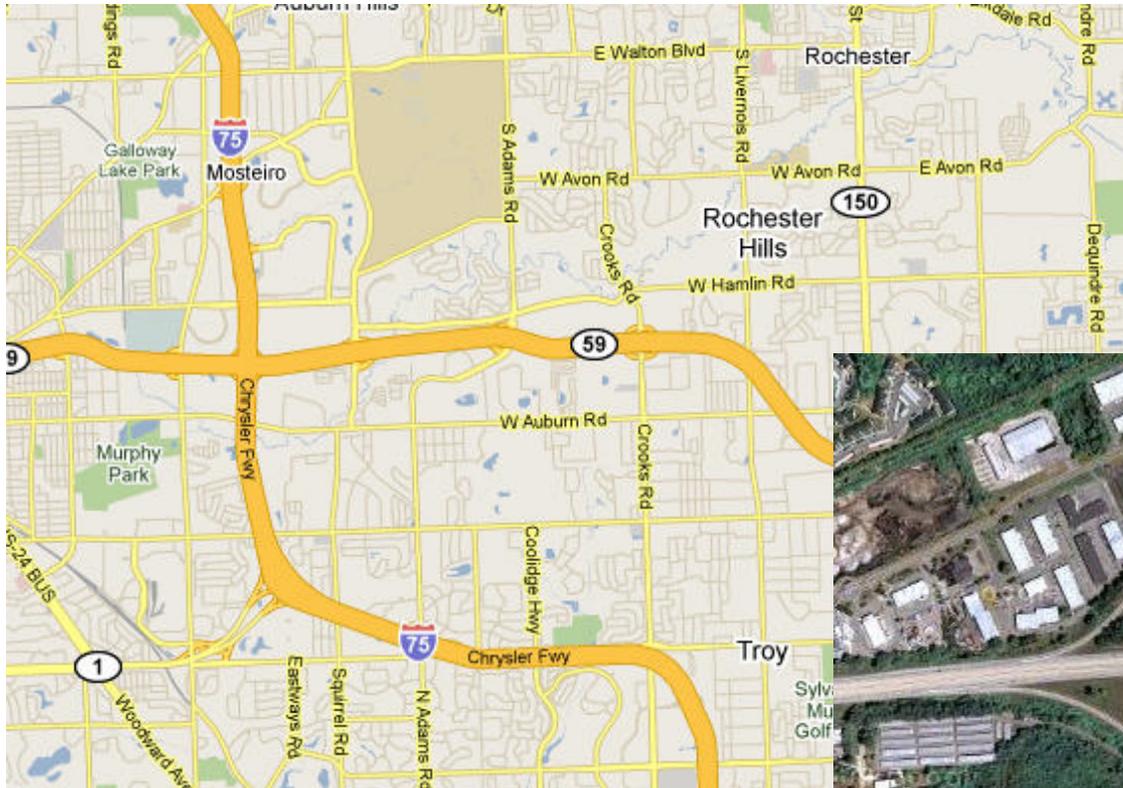
Kathy Hulley, P.E. - Lansing Central Office

May 20, 2010



# General Project Location

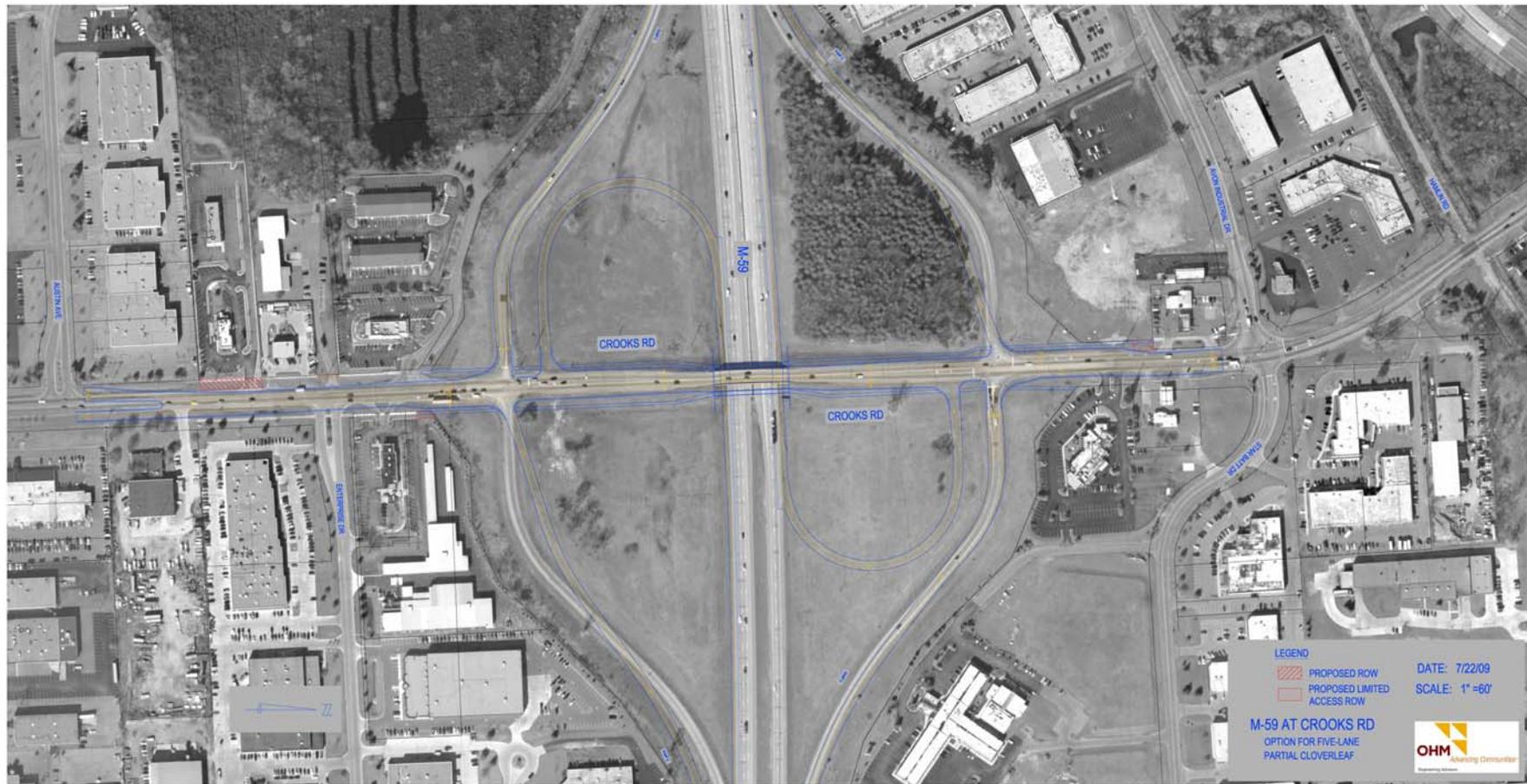
*M-59 at Crooks Road, Rochester Hills, Oakland County*



# Interchange Reconstruction

- 4 lane bridge
- Non-motorized paths on both sides of bridge
- Partial cloverleaf design
- Signal modernization at ramp terminals
- 5-lane road connecting with boulevard to the south and ends at Star Batt Drive to the north

# Proposed Interchange Layout



# Other Work Items

*M-59 at Crooks Road, Rochester Hills, Oakland County*

## Survey

- **Topographic survey will be included in the RID**

## Miscellaneous Items

- **Guardrail, pavement marking and limited signing improvements**

# Initial list of Project Goals

- **Provide a Quality product**
- **Work within established project budget**
  - **Approximately \$10 Million is allocated for design & construction**
- **Maintain Mobility while coordinating with adjacent work on M-59**
  - **Must coordinate with patch and overlay project on M-59 from Opdyke Road to Crooks Road. (Letting 9/3/2010)**
- **Work within existing MDOT and RCOC ROW**
- **Rochester Hills securing ROW needs for path**
- **Work within approved environmental assessment document requirements and permits to be obtained by MDOT or contractor**
- **Complete construction within 2011 construction season**

# Design-Build Procurement Schedule (Draft)

Deadline for Submitting RFQ Questions	May 24, 2010
Statement of Qualifications Due	May 27, 2010
Anticipated Notification of Short-Listed Submitters	June 11, 2010
Early Release of Prelim Reference Information Documents	Mid-July, 2010
One on One Meetings with Short-Listed Submitters	July / August, 2010
Issuance of Request for Proposals by MDOT	August 31, 2010
ATC Submittal Deadline	October 13, 2010
Clarification Submittal Deadline	October 20, 2010
1300EZ Form Due	October 28, 2010
Technical Proposal Due Date (Low-Bid or Best-Value)	November 2, 2010
As Submitted Bid Opening Date (If Low-Bid)	November 3, 2010
Notify Responsive Proposer of Bid Approval (if Low-Bid)	November 10, 2010
Notify Responsive Proposer (if Best-Value)	November 17, 2010

# Design-Build Construction Schedule (Draft)

Notice to Proceed	November 2010
Begin Construction	March or April 2011
Substantial completion	November 2011
Final Acceptance	Spring 2012

# MICHIGAN DEPARTMENT OF TRANSPORTATION DESIGN-BUILD

Industry Informational Meeting:

## M-59 Interchange at Crooks Road Design-Build Contracting Process

Kathy Hulley, P.E. – Lansing Central Office

# Elements of Design-Build Contract

- Two prime players
  - MDOT
  - DB Contractor
- Establishes new contractual relationship between Contractor and Designer
- Single Lump Sum Contract
  - Limitations on Change Orders
  - Defines Roles and Responsibilities for Design, Construction, Field Changes

# MDOT's Role

- Partner with Design-Build Team
- Review Design for “Acceptance”
- Coordinate Public Involvement
- Provide Background Information (geotechnical, old plans, survey data, etc.)
- Obtain initial environmental permits from MDEQ
- Typical Construction Oversight

# Contractor's Role

- Responsible for completing all design for the project in accordance with the Contract Documents
- Quality Control
- Responsible for resolving any issues between design and construction

# Request for Proposal (RFP) Content

- Instructors to Proposers (ITP)
  - document to assist proposers prepare technical proposals and bids
- Book 1 – Terms and Conditions
  - written for Design-Build projects
- Book 2 – Technical Requirements
  - project specific guidance for administration, design, and construction
- Book 3 – Standards
  - list of standards providing additional guidance for administration, design, and construction of the project
- Reference Information Documents (RID)
  - additional information for reference only, not Contractual

# Request for Proposal (RFP) Order of Precedence

- Contract Documents
  - Book 1 – Terms and Conditions
  - Book 2 – Technical Requirements
  - Book 3 – Standards
  - Contractor's Proposal
  - Instructions to Proposers (ITP)
- Reference Information Documents (RID)

# Instructions to Proposers (ITP)

- Typical Advertisement Sheet
  - Contractor Pre-Qualifications
- Designer Pre-Qualifications
- Alternate Technical Concepts
- Technical Proposal Requirements
  - Procurement Schedule
    - Pre-Bid Meeting Dates
    - Letting Dates
  - Requests for Clarification
  - Addendum Process

# Book 1

## Terms and Conditions

# Book 1: Terms and Conditions

- Applying Book 1 and Definitions
- Discussion of Certain Unique Terms and Conditions
  - Responsibility for Completing Work in Accordance with the Contract Documents
  - Completion Deadlines – Substantial Completion and Final Acceptance
  - Reliance on Reference Information Documents

# Book 1: Terms and Conditions

- Right of Way
- EEO/DBE
- Bonding and Insurance
- Payment
- Shared Risk Items
- Price Adjustments

# Book 1: Terms and Conditions

- Changes in the Work
  - Limitations on changes
  - Negotiated price and force account
- Liquidated Damages

# Book 2

## Technical Requirements

# Book 2: Technical Requirements

- Section 1 - General
- Section 2 – Project Management
  - Scheduling
  - Design Quality
  - Review Process
  - Electronic submittal/review process
- Section 3 – Public Information

# Book 2: Technical Requirements

- Section 4 – Environmental
  - Approved Environmental Assessment
- Section 5 – Third Party Agreements
- Section 6 – Utilities
  - Roles and Responsibilities
  - Changes in the Work relating to Utilities

# Book 2: Technical Requirements

- Section 7 – Right of Way
- Section 8 – Geotechnical
  - Provided Information
  - Contractor Responsibilities

# Book 2: Technical Requirements

- Section 9 – Land Surveying
  - Topographic survey to be provided by MDOT
  - Pickup survey would be by Contractor
- Section 10 – Grading and Roadway
- Section 11 – Drainage
- Section 12 – Bridges
- Section 13 – Landscaping

# Book 2: Technical Requirements

- Section 14 – Aesthetics
- Section 15 – Signing, Signals, Pavement Markings, and Lighting
- Section 16 – ITS
- Section 17 – Maintenance of Traffic
- Section 18 – Project Maintenance
- Section 19 – Nonmotorized Facilities

# Book 3

## Standards

### 1. Application of Standards

# RID

## Reference Information Documents

### Additional information available

- Existing road and bridge plans
- Aerial photographs
- Road and Bridge Scoping documents

# Questions?

For available project documentation please contact  
Lori Swanson, Oakland TSC Project Manager

Email: [swansonl@michigan.gov](mailto:swansonl@michigan.gov)

Phone at (248) 451-2456

For questions related to the Design-Build contracting  
process please contact Kathy Hulley, Central Office

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Phone at (517) 373-2256

[www.michigan.gov/designbuild](http://www.michigan.gov/designbuild)