

Local Bridge Program

Bridge Unit Staff

Mark Harrison: Bridge Program Manager

harrisonm@michigan.gov, (517) 373-2346

Ron Boomer: Project Development Engineer

boomerr@michigan.gov, (517) 373-9590

Chris Tennes: Staff Engineer

tennesc@michigan.gov, (517) 335-2844

Keith Cooper: Staff Engineer

cooperk@michigan.gov, (517) 335-2222

Rita Levine: Transportation Engineer

leviner@michigan.gov, (517) 373-0041

Conference Topics

- **2008 Local Bridge Program Report**
- **Call for Applications for 2009**
 - Updated Web Information
 - Changes
 - Causes for Application Rejection or Lower Scores
 - Possible Improvements to Applications
- **E-proposal**
- **LRFD and Foundation Design**

2008 Program Information

- **Projects Let to Contract**
 - 65 Local Bridge Projects: \$52.3 million
 - 4 Other Funded Projects: \$27.7 million

- **Projects Selected for Funding for FY 2011**
 - 41 Local Bridge Projects: \$24.0 million
 - 2 Large Bridge Projects: \$ 8.0 million
 - (15% of Local Bridge Funds)
 - Overrun Adjustments: \$17.3 million

2008 Program Information

- **Application Site Visits**
 - 253 Applications
 - Site Visits in July and August
- **RBC Meetings:**
 - Financial Update: April
 - Application Ratings: October
- **LBAB Meeting: November**

Call for Applications 2009

- **Call, Dated February 4th, Sent to CRAM and MML**
- **Deadline: Postmarked by June 1, 2009**
- **Limit of 5 Applications per Agency**



Call for Applications

Updated Web Information

- **Call for Applications Document:**

- http://www.michigan.gov/documents/mdot/mdot_Call_for_Applications_2007_185837_7.pdf

- **Federal Sufficiency Ratings Document:**

- http://www.michigan.gov/documents/mdot_Local_Bridge_Data_for_FSR_and_Call_for_Applications_148254_7.pdf

- **Scope Estimate Worksheet Document:**

- http://www.michigan.gov/documents/mdot_Scope_Estimate_Worksheet_04_125936_7.pdf

Call for Applications

Updated Web Information

- **Region Funding Information Document:**
 - http://www.michigan.gov/documents/mdot_funding_information_per_Region_116635_7.pdf
- **Condition State Data:**
 - http://www.michigan.gov/documents/mdot_condition_state_data_116631_7.pdf
- **3-Year Bridge Plans:**
 - http://www.michigan.gov/mdot/0,1607,7-151-9625_25885_40558_40560-131319--,00.html

Changes

- **Federal Sufficiency Ratings (clarification)**
 - 0 to 50: Eligible for Replacement
 - 0 to 80: Eligible for Rehabilitation
 - 0 to 100: Eligible for Preventive Maintenance
- **20% Rule**
 - Begins in October, 2009 for FY 2010 Projects
 - If a Project's GI Estimate > 20% of the Application Estimate, the RBC Decides:
 - If the Project is Capped at the Application Estimate, or
 - If the Project is Allowed to go as is, or
 - If the Project will be Held off Until the Next Year

Application Rejections

- **Rejections by MDOT**
 - **Postmarked after Deadline of June 1, 2009**
 - **Missing Required Documents**
 - **Executed Resolution**
 - **Scope of Work Not Clearly Defined**
 - **Not Meeting the FSR Requirement (possible)**

Application Rejections

- **Rejections by Region Bridge Councils**
 - **Scope of Work not Match Bridge Condition**
 - **Not Eligible for Scope of Work Based on FSR**
 - **Narrative Does Not Adequately Describe Need**
 - **S,I,&A Data Conflicts with Application Info**
 - **Information Previously Requested by RBC was not Included in New Application**

Application Improvements

- **Economic Factors**
 - **Businesses that Depend on the Bridge**
 - **Bridge Needed for Commuters**
 - From where?
 - To where?
 - **Farming**
 - **Logging**



Application Improvements

- **Structural Factors**
 - Temporary Measures in Place
 - Is the Bridge on Deep Foundations?
- **Special Circumstances**
 - Dead End Roads: What is Need for Bridge?
 - Two Track Roads: What is Need for Bridge?
 - Detour Length and Usage

Application Improvements

- **Consistent Data (S,I,&A and Narrative)**
 - Average Daily Traffic
 - Load Ratings
 - Postings
 - Length



E-proposal

- **Letter to CRAM and MML in December, 2008**

http://www.michigan.gov/documents/mdot/mdot_ltr_eprop_requirements102808_CRAM_MML_w_Attachment_260847_7.pdf

- **Basics to Assist Staff Engineers**

- **Plan Sheets**

- **Electronically Submit One (1) Adobe Acrobat File**
- **Do Not Mix Plan Sheet Sizes!!!**
 - 11" X 17", MDOT Standard
 - 24" X 36", Acceptable
 - Need to be Exact
- **Landscape Orientation**
- **No Zip Files**

E-proposal

(cont)

– Proposal Documents

- **Submit Individual Files**

- Word Documents (*.doc), or

- Adobe Acrobat Documents (*.pdf)

- **Special Provisions**

- Use Merl/Transport Pay Codes

- » 7117001-BridgeRailOpenParapet.pdf

- » 8160050-SlopeRestoration.pdf

- » 502-HMAApplicationEst.pdf (7 digits not needed for this)

- **Permits: Include All Pages of Permits**

- Letters of Intent Not Sufficient

- Check Expiration Dates

E-proposal

(cont)

- **Estimate**
 - **File Formats**
 - Transport File (*.csv), or
 - Merl File (*.merlcontract)
 - **Adobe Acrobat (*.pdf) for Staff Review**



LRFD and Foundation Design

- MDOT Bridge Design Manual – Piles
 - HL93 For Local Projects, HL93-Modified Not Required
 - Nominal Driving Resistance (R_{ndr})
 - § 7.03.09 B
 - Listing for Various Type and Size of Piles
- Plans: Show the Appropriate R_{ndr}
 - Site Sheet, Structure Sheets, Pile Sheets
 - Use Notes from §8.06.05
- Proposal: Use LRFD Piling Specification
- Geotech Questions:
 - Staff Engineers: Chris Tennes or Keith Cooper
 - Steve Wohlscheid: (517) 322-6179

• Questions?

