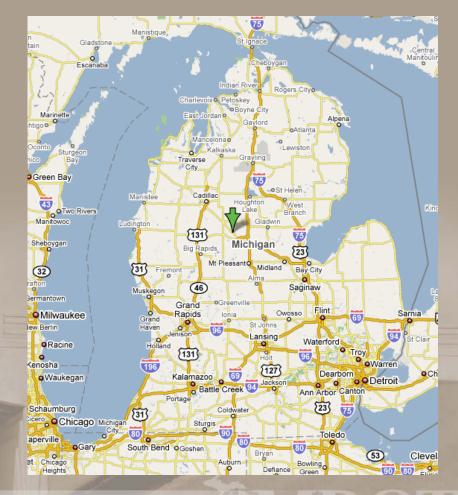
Performance Contracting in Michigan

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## Michigan DOT M-115 Highways for Life Performance-Based Contract

- 5.5 Mile, Rural, Two-lane Road and Bridge Reconstruction
- Best-Value Contract Award
- Formula for Evaluating Price and Non-Price Factors



## HfL and Project Goals

- 1. Open to Traffic
- 2. Construction & Cleanup Completion
- 3. Pavement Performance
- 4. Worker Safety During Construction
- 5. Work Zone Crashes
- 6. Motorist Delay



# Seven Evaluation Factors Totaling 150 Points

- 1. Open to Traffic Date (max points 20)
- Construction and Cleanup Completion Date (max points 5)
- 3. Pavement Performance Goal (max points 50)
- 4. Worker Safety Plan (max points 5)
- 5. Work Zone Safety Plan (max points 10)
- 6. Reducing Motorist Delay Plan (max points 30)
- 7. Project Innovations (max points 30)

#### **Best-Value Determination**

Contractor Name	Contractor Score	Cost Multiplier	Contractor Bid	Best Value
Rieth-Riley Construction Company, Inc.	111	0.8520	\$5,755,413.00	\$4,903,611.87
Central Asphalt, Inc. (Awarded)	80	0.8933	\$4,477,777.77	\$3,999,998.88
Pyramid Paving and Contracting Company, Inc. (Unable to secure a single term, six-year warranty)	62	0.9173	\$4,190,777.00	\$3,844,199.74



### **Lessons Learned**

- Pavement Warranty
- Innovations in Violation
- Test Project Requirements/Goal
- Inaccurate Existing Bridge Plan
- Provisions to Accommodate Site Changes



Performance Contracting? (Driven from HfL Project)

- Develop Innovative Construction Contracting Guidance Document
- Construction Manager/General Contractor (CMGC) Project Delivery. Zilwaukee Precast Segmental Bridge Replacement.

MDOT's Goal 10% of Projects P.C.



# **Hy-Span Bridge Design**



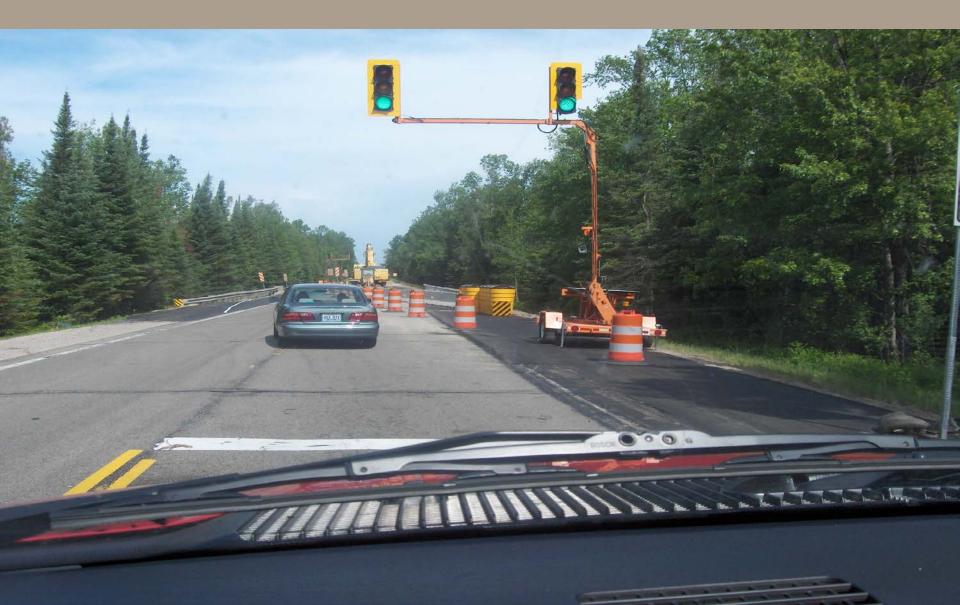
# **Hy-Span Bridge Design**



## **Hy-Span Bridge Design**



### **Self-Adjusting Temporary Traffic Signals**







## **Rubblizing Existing Pavement**











#### Material Transfer System



#### Shoulder and Centerline Corrugations



## Stream Realignment





#### Thank You

