

CONSULTANT PROJECT MEETING

**I-35 Auxiliary Lane Widening and
Pleasant Valley Road Interchange Improvements**

Job Nos. J4I3005 & J4I3005B

K. Mark Sommerhauser, PE
MoDOT Transportation Project Manager

Presentation Overview

- **Ultimate Project Goal**
- **Project History**
- **Key Areas of the Project**
- **Primary Stakeholders**
- **Review the Consultant Request for Qualifications and Describe the Vision for Alternate Technical Concepts (ATCs)**
- **Review Several Draft Conceptual Designs**
- **Wrap-up and Final Questions**

MODOT WANTS...

*To make this project a
huge success!*

Project History and Timeline

- **Formation of the project scoping team**
- **TIGER IV application**
- **Economic Development Cost Share application**
- **STIP and TIP amendments for PE funding**
- **Future STIP and TIP amendments for construction**
- **Proposed letting date in July 2014**

Key Areas of the Project

- 1. Ramp improvements from northbound I-435 to northbound I-35**
- 2. Continuous auxiliary lane in both directions from I-435 to Pleasant Valley Road**
- 3. Interchange reconstruction at Pleasant Valley Road / US 69 / South Liberty Parkway**

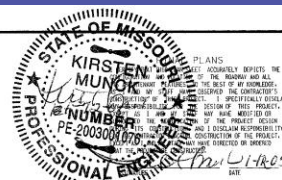
Ramp Improvement Scope

- **Improve the design speed and overall safety of the horizontal curve**
- **Improve the overall alignment of the ramp where it connects to the auxiliary lane**
- **Investigate the benefits and costs involved with a possible slip ramp from US 69 to northbound I-35**

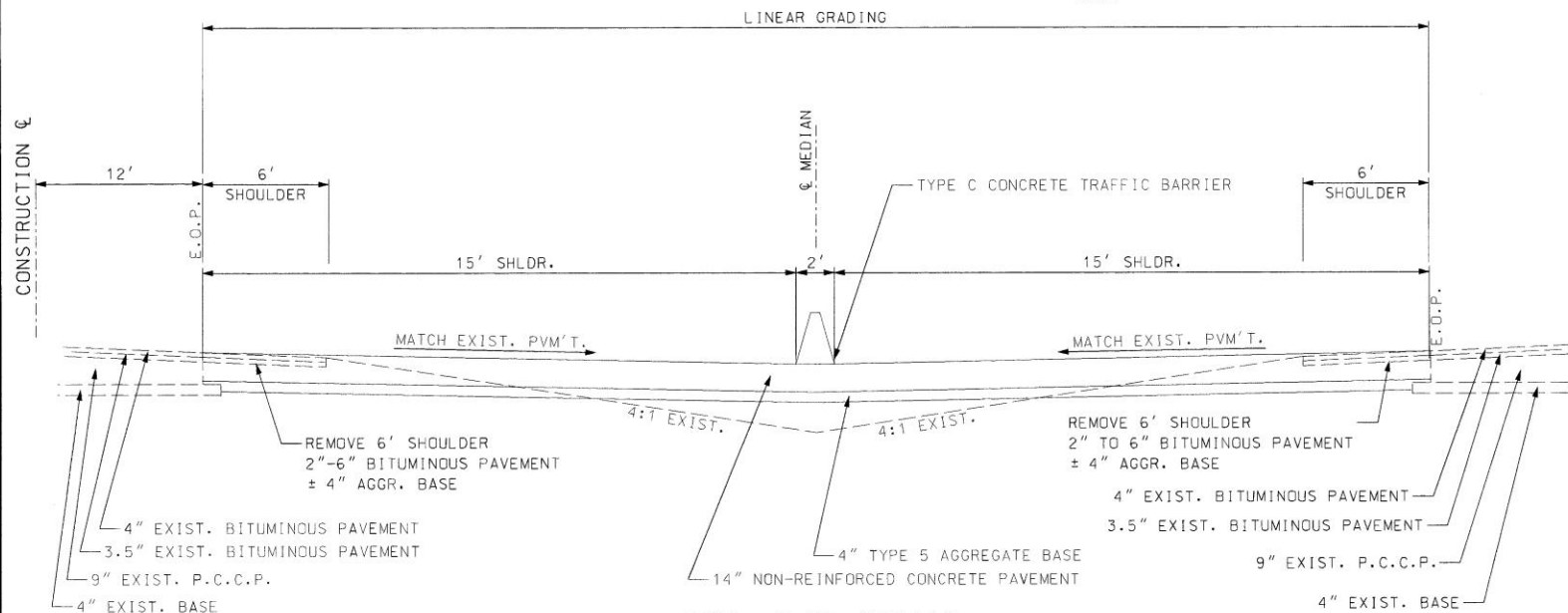
Auxiliary Lane Scope

- **Widening of the I-35 bridges over Shoal Creek**
- **Sign truss changes**
- **Practical design for the new roadway typical with two I-35 mainline lanes next to a continuous auxiliary lane**

Existing Concrete Barrier Typical Section



ROUTE	STATE	DISTRICT	SHEET NO.
I-35	MO	4	2
JOB NO.	J411511		
CONTRACT ID	030221-403		
PROJECT NO./FAHES-35-1(257)			
COUNTY	CLAY	DATE	



RTE. I-35 MEDIAN

STA. 451+36.44 TO 484+96.03
 STA. 500+64.39 TO 517+30.00
 STA. 522+65.79 TO 560+90.46
 STA. 563+06.24 TO 563+97.17
 STA. 563+01.93 TO 581+08.29
 (APPROXIMATE STATIONS)

NOTE: SEE SHEET #10 FOR S.E. LOCATIONS WITH
 HEIGHT DIFFERENCES MORE THAN 14"

TYPICAL SECTION
 TANGENT
 AND S.E. LOCATIONS WITH HEIGHT DIFFERENCES LESS THAN 14"

TYPICAL SECTION
 SHEET 1 OF 2

Interchange Reconstruction and the Primary Stakeholders

- **MoDOT**
- **FHWA**
- **Clay County**
- **City of Liberty**
- **City of Pleasant Valley**
- **Ford and Claycomo**
- **Local Developers**

Consultant Request for Qualifications

- **Consultant team will prepare conceptual, preliminary, and final plans for the proposed interchange and auxiliary lane improvements**
- **Approximate construction cost of \$31,200,000**
- **DBE goal is 16%**

Consultant Request for Qualifications

- Consultants can submit a three page letter of interest and one additional page that includes references from similar projects.
- Interviews will be conducted with the short listed firms.
- Consultant short list should be posted to the web around January 23rd and the tentative date of consultant selection is February 19th.

Request for Qualifications (Primary Tasks)

- **Develop an Access Justification Report, including traffic forecasting and operational analysis using microsimulation**
- **MoDOT will provide photogrammetry and the consultant team will provide all of the surveying. The consultant team is expected to take the basic processed photogrammetry and develop complete plans utilizing 3D modeling according to the current MoDOT EPG.**

Request for Qualifications (Primary Tasks)

- **Provide all bridge design work, including both new bridges and the widening of existing bridges.**
- **Complete all roadway design tasks required to complete preliminary plans and develop a final PS&E package with a July 2014 letting date.**

Request for Qualifications (Primary Tasks)

- **MoDOT will be encouraging the construction industry to propose Alternate Technical Concepts (ATCs) on this project, so the consultant team will need to organize their design work to keep industry informed during the plan development process.**
- **The consultant team will provide limited public involvement support.**

Request for Qualifications (Primary Tasks)

- The consultant team will provide limited cultural/environmental support. MoDOT will be responsible for providing the environmental clearances and permits.**
- MoDOT staff will obtain any right of way that is needed for the project.**
- The consultant team will provide all geotechnical support needed for the structural and retaining wall design tasks.**

ALTERNATE TECHNICAL CONCEPTS (ATCs)

Brian Kidwell, PE
MoDOT Assistant District Engineer

RFQ (Rating Criteria)

Past Performance Incorporating Innovative Design Methods (40 pts)

- **Proven ability to incorporate internal value engineering reviews, ability to successfully incorporate practical design principles in all areas of design, and a thorough understanding of the implementation of Alternate Technical Concepts (ATCs) during the plan delivery process.**
- **Experience with innovative and cost effective complex interchange/bridge design.**

RFQ (Rating Criteria)

Past Performance Incorporating Innovative Design Methods (40 pts)

- **Proven ability to develop multiple conceptual plans for complex interchanges that incorporate practical design considerations and accurate draft estimates.**
- **History of successful and cost effective Maintenance of Traffic plans and strategies.**

RFQ (Rating Criteria)

Demonstrated Successful Past Performance of the Lead Project Manager and the Clear Identification of other Secondary Project Managers on the Consultant Team (25 pts)

- **Quality of final work products.**
- **Ability to control design costs.**
- **Ability to meet work schedules and efficiently organize the work flow needed during ATC plan reviews.**

RFQ (Rating Criteria)

Demonstrated Successful Past Performance of the Lead Project Manager and the Clear Identification of other Secondary Project Managers on the Consultant Team (25 pts)

- **Responsiveness to client input and the ability to successfully work with a diverse group of community stakeholders.**
- **Ability to successfully manage and incorporate traffic modeling data throughout the AJR and plan development process.**

RFQ (Rating Criteria)

Firm's Overall Capability and Capacity along with the Total Experience Level of the Consultant Project Team (25 pts)

- **Firm's organizational structure and ability to maintain flexibility during plan development, especially in regards to the incorporation of ATCs.**
- **Participation plan for all of the different sub-consultants (including DBEs) on the team and their overall capabilities.**

RFQ (Rating Criteria)

Firm's Overall Capability and Capacity along with the Total Experience Level of the Consultant Project Team (25 pts)

- **Firm's commitment to providing a diverse workforce and their plan to accomplish that goal.**
- **Qualifications of the key personnel assigned to support the firm's project manager.**
- **Experience with similar complex interchange projects.**

RFQ (Rating Criteria)

Accessibility of the Firm and Sub-consultant Staff (10 pts)

- **Work location of the lead project manager and their internal project communication plan.**
- **Accessibility of the total project team.**

DMS Signs









The background is a solid blue color. Overlaid on this background is a large, faint, stylized graphic. The word 'MODOT' is written in a large, bold, sans-serif font, with the 'O's being circles. A large 'X' shape is formed by two thick, curved lines that intersect in the center. The text 'MODOT' is positioned above the 'X' shape.

ADDITIONAL QUESTIONS?