



IMPROVE I-70 KC J4I1486D

INDUSTRY MEETING JECT UPDATE

ry 13, 2024, 10 AM – 12 PM
MoDOT Kansas City District Office, Lee's Summit, MO

Welcome

- Housekeeping
- Safety Protocols
- Project Presentations
- \triangleright Q/A
- DBE Networking Time





Agenda

- Project Overview
- Project Goals
- Update
- > Schedule
- > RFQ
- Draft ITP
- Safety Analysis Tool





Project Overview - Location

- Kansas City
- From The Paseo Blvd to US 40 / 31st St
- Approx. 5 miles in length
- Urbanized area





Project Overview

- 12 interchanges
- 29 mainline and overhead bridges
- 6 / 8 thru lanes of pavement
- 96,000 to 120,000 vpd
- 18% trucks
- Heavy AM and PM rush hour traffic
- Heavy pedestrian and transit traffic





Project Goals

- 1. Deliver the project within the programmed budget of \$223M by December 31, 2028.
- 2. Implement innovative transportation solutions to improve safety and reliability along the corridor.
- Provide durable and maintainable infrastructure that revives the corridor and aligns with regional development.
- 4. Improve accessibility for the local community and create opportunities to grow a diverse workforce.
- 5. Minimize overall traffic impact during construction in partnership with stakeholders.





PROJECT UPDATE

- Second Tier EIS Re-Evaluation Approved
 - Approved AJR
- Right of Way Plans & A-Date Approved
 - Begun Early Acquisition of Key Parcels
- Early Release Information
 - Approved Second Tier EIS Re-evaluation
 - Approved Conceptual AJR and VISSIM data
 - Approved Right of Way Plans
 - Conceptual Design Information
 - Existing Information



Schedule

ltem	Date
Industry Meeting #2	Feb 13, 2024
Issue RFQ	Feb 13, 2024
SOQs Due	Mar 15, 2024
Shortlisted Submitters Notified	Mar 26, 2024
Issue RFP	Apr 1, 2024
Final Proposal and Price Allocation Due	Jun 28, 2024
Selection of Apparent Best Value	Aug 7, 2024



Request for Qualifications (RFQ)

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SOQ Submittal Requirements / Evaluation Criteria

- Administrative Elements (Pass/Fall)
- Submitter Experience (50 Points)
- Key Personnel and Organization (25 Points)
- Quality and Safety Approach (15 Points)
- Community Involvement (10 Points)

Changes to the RFQ include:

- Budget \$13M in Additional Project Funds
- Stipend Increased to \$1M



Draft Instructions to Proposers (ITP)

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Draft ITP Technical Elements

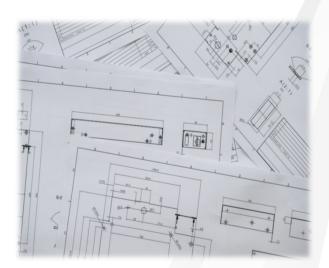
- Project Definition (60 Points)
 - Geometrics
 - Pavements
 - Structures
 - Reliability
- Safety (15 Points)
 - Quantitative Analysis
 - Qualitative Analysis
- Community Impacts (15 Points)
 - Public Information Plan
 - STEM and Construction Careers
 - Community Connectivity
- Maintenance of Traffic (MOT) and Schedule (10 Points)
 - MOT Plan
 - Schedule



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Project Definition

- Geometrics Describe the geometric features of the project.
- Pavements Describe the elements for new, reconstructed, and rehabilitated pavements on the project.
- Bridge and Wall Structures Describe the elements for new, reconstructed, and rehabilitated bridges and walls structures on the project.
- Reliability Define improvements and strategies to maximize operations and increasing reliability for all users.





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Community Impacts

- Public Information Plan Provide plan for providing information to MoDOT for public and stakeholder interaction during design and construction.
- STEM and Construction Careers Plan –
 Develop plan that promotes workforce diversity
 in transportation fields.
- Community Connectivity Commitments to connecting the community through improvements to bicycle, pedestrian, and local roads.





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Maintenance of Traffic and Schedule

- Maintenance of Traffic Approach to maintaining traffic during project construction
 - Maintenance of Traffic Plan
 - World Cup Approach to coordination of construction activities and phasing to mitigate traffic impacts during the 2026 FIFA World Cup
- Schedule Schedule for completing the Project including the duration of each construction phase the overall completion date



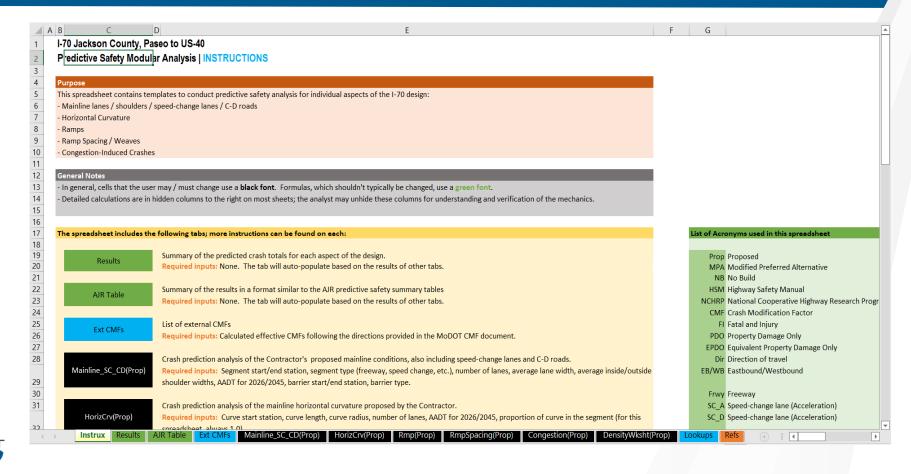


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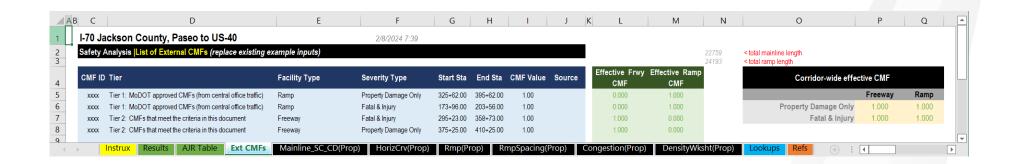
Safety

- Qualitative Analysis Provide commitments to improving safety along the corridor for all users.
- Quantitative Analysis Predictive Safety Analysis tool to evaluate proposed safety benefits
- Safety Analysis Tool presentation to follow.

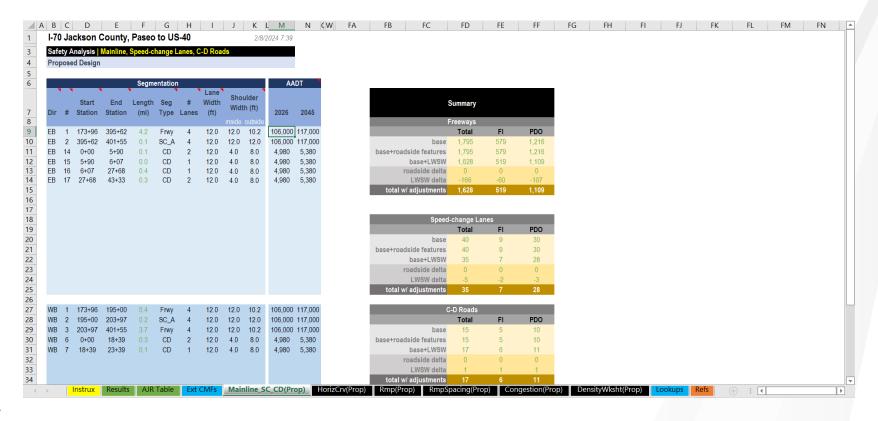














С	D	E	F	G J	K	L	M N	0	Р	Q R	S	Т	U V	W	X	Υ		Z	AA	
0 Jackson County, Paseo to US-40		2/8/2	024 7:39																	
ety Analysis Summary Calculations (Reference Only)																				
	No	Build (I	NB)	Modified	Preferred	Alt (MPA)		(MPA-N	B)	Pro	posed (I	Prop)		▲ (Prop-I	NB)					
	Total	FI	PDO	Total	FI	PDO	Total	FI	PDO	Total	FI	PDO	Total	FI	PDO					
Predicted crashes: base conditions	1,694	507	1,187	1,795	579	1,216	6%	14%	2%	1,795	579	1,216	6%	14%	2%					
Predicted crashes: base + roadside features	1,711	519	1,192	1,795	579	1,216	5%	12%	2%	1,795	579	1,216	5%	12%	2%					
Predicted crashes base + shoulder widths	1,728	552	1,176	1,628	519	1,109	-6%	-6%	-6%	1,628	519	1,109	-6%	-6%	-6%					
Inferred crashes: roadside features only	17	12	5	0		0						0								
Inferred crashes: shoulder widths only	35	46	-11	-166	-60	-107	201	001	201	-166	-60	-107	201	001	201					
Predicted crashes due to changes in lane and shoulder widths (but no roads	ide teatui 1,728	564	1,181	1,628	519	1,109	-6%	-8%	-6%	1,628	519	1,109	-6%	-8%	-6%					
Predicted crashes with base conditions	260	68	192	40	9	30				40	9	30								
Predicted crashes: base + roadside features	262	68	194	40	9	30				40	9	30								
Predicted crashes base + shoulder widths	271	82	188	35	7	28				35	7	28								
Inferred crashes: roadside features only	2		2	0	0	0														
Inferred crashes: shoulder widths only	11	15	-4	-5	-2	-3				-5	-2	-3					_			
Predicted crashes due to changes in lane and shoulder widths (but no roads	ide teatui 2/1	82	188	35	7	28	-87%	-91%	-85%	35	/	28	-87%	-91%	-85%					
Predicted crashes: base conditions	88	39	49	81	36	45	-8%	-8%	-7%	81	36	45	-8%	-8%	-7%					
Predicted crashes: base + lane and shoulder widths	113	55	58	87	40	47	-23%	-28%	-18%	87	40	47	-23%	-28%	-18%					
Inferred crashes: lane and shoulder widths only	25	15	10	6	3	2				6	3	2								
Predicted crashes: base conditions	0	0	0	15	5	10				15	5	10								
Predicted crashes: base + roadside features	0	0	0	15	5	10				15	5	10								
Predicted crashes base + shoulder widths	0	0	0	17	6	11				17	6	11								
Inferred crashes: roadside features only	0	0	0																	
Inferred crashes: shoulder widths only	ide featur 0	0	0	17	1	11				17	1	11								
Predicted crashes due to changes in lane and shoulder widths (but no roads	ide reatul 0	U	U	1/	ь	11				17	ь	11								
Inferred crashes due to horizontal curvature only	527	138	389	363	103	260	-31%	-26%	-33%	363	103	260	-31%	-26%	-33%					
Predicted crashes assuming ideal spacing	1469	386	1084	1245	327	918	-15%	-15%	-15%	1245	327	918	-15%	-15%	-15%					
Predicted crashes assuming actual spacing "S"	1944	489	1454	1493	389	1104	-23%	-21%	-24%	1493	389	1104	-23%	-21%	-24					
, ,															-24					
DELTA: Inferred crashes due to ramp spacing	474	103	371	248	62	186	-48%	-40%	-50%	248	62	186	-48%	-40%	7					
Instrux Results AJR Table Ext CMFs Mainline_S	CD(Prop)	HorizC	rv(Prop)	Rmp(f	Prop)	RmpSpac	ing(Prop	Con	gestion(Prop)	Densit	yWksht(l	Prop)	Lookups	7					=



Wrap-up

- Presentation will be posted on the project webpage www.modot.org/improvei70kc
- Be sure you signed the meeting Sign-in Sheet
- Thank you for your interest



Questions?

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