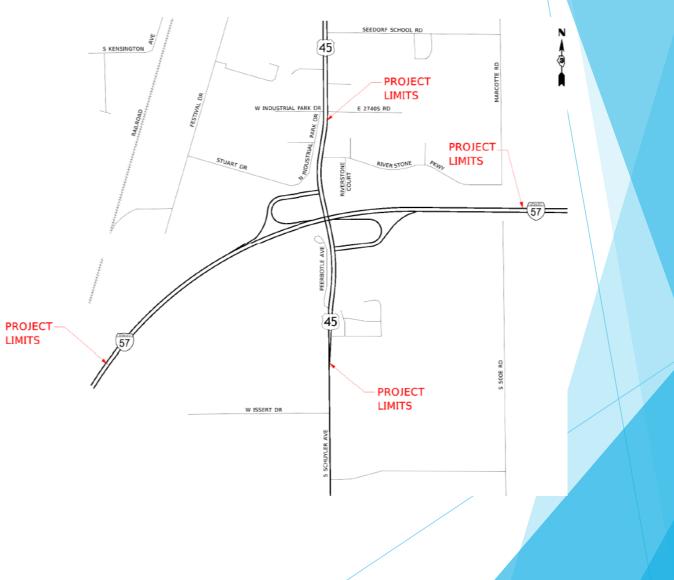
I-57 AND US ROUTE 45/52 INTERCHANGE

PUBLIC INVOLVEMENT March 1-31, 2022



I-57 Interchange at US Route 45/52 Project

KANKAKEE, ILLINOIS





Reconstruction of I-57 at US 45/52 Purpose and Need

- Purpose of the Public Involvement
- Present the alternatives developed as part of the Interchange Type Study
- Answer questions about the project
- Receive public comments

- Existing Interchange ramp geometry does not meet current design policies
- Address the existing structural deficiencies on the overpass structure, originally constructed in 1962.
- Project Need
- Accommodate the planned future expansion of I-57 from a 4-lane facility to a 6-lane facility, to satisfy the safety and mobility needs of the I-57 corridor.



Reconstruction of I-57 at US 45/52 Proposed Schedule

- Will be completed in 2022.
- Following the public involvement, IDOT will consider comments received until the phase I preliminary engineering study is completed.
- Development of the Design Plans for the overall project is programmed for improvement in the Department's Current Proposed Highway Improvement Program.
- Land acquisition and construction of the interchange are tentatively funded in the Department's Fiscal Year 2022-2027 Proposed Highway Improvement Program.

Preliminary Engineering Study



Project Schedule





Current Conditions



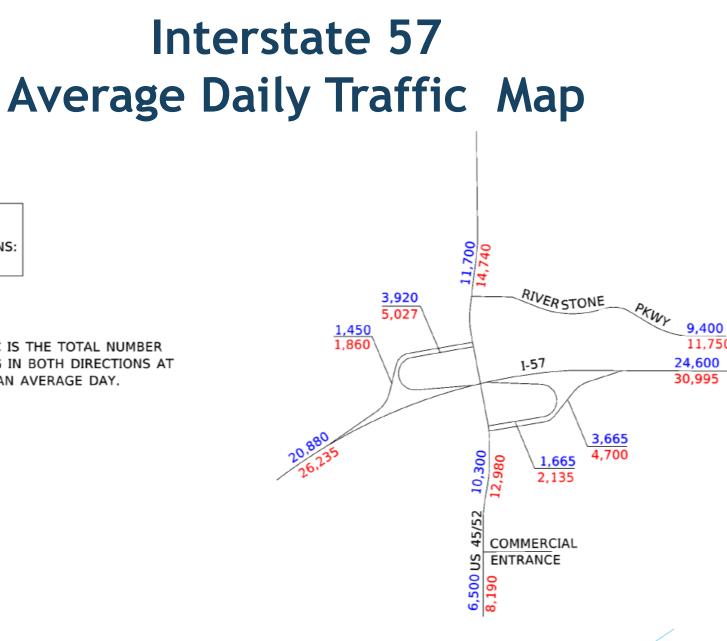
US ROUTE 45/52 OVER I-57



Current Conditions









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11,750

TRAFFIC COUNTS: 2020 TRAFFIC PROJECTIONS: 2045

AVERAGE DAILY TRAFFIC IS THE TOTAL NUMBER OF VEHICLES TRAVELING IN BOTH DIRECTIONS AT A GIVEN LOCATION ON AN AVERAGE DAY.

Crash Location Map I-57 (2015-2019)





Crash Location Map I-57 at US 45/52 Interchange Ramps (2015-2019)



CRASH TYPE	TOTAL
ANIMAL	1
FIXED OBJECT	6
FRONT TO REAR	2
OTHER NON-COLLISION	2
OVERTURNED	5
PARKED MOTOR VEHICLE	1
SIDESWIPE	2
INJURY CRASH TYPE	TOTAL
FATALITY	0
A INJURY	2
B INJURY	2
C INJURY	0
Second Contraction	



Crash Location Map US 45/52 (2015-2019)



CRASH TYPE	TOTAL
ANGLE	3
FIXED OBJECT	5
FRONT TO FRONT	1
FRONT TO REAR	33
OTHER NON-COLLISION	1
OTHER OBJECT	1
OVERTURNED	1
PARKED MOTOR VEHICLE	6
SIDESWIPE	6
TURNING	36
INJURY CRASH TYPE	TOTAL
FATALITY	2
A INJURY	8
B INJURY	7
C INJURY	8
PROPERTY DAMAGE ONLY	68



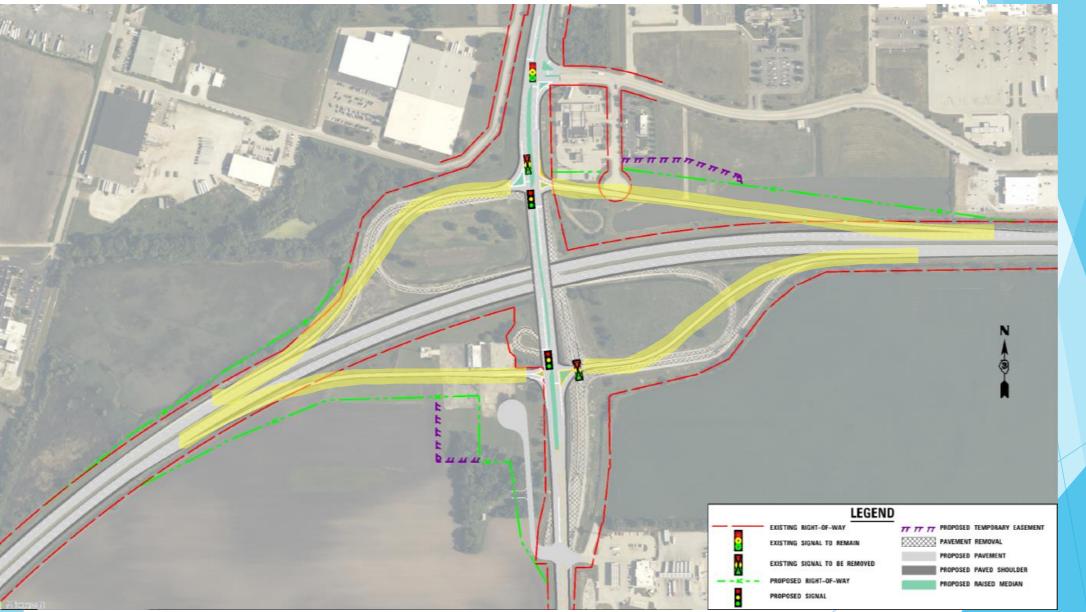
Crash Location Map Riverstone Parkway (2015-2019)



CRASH TYPE	TOTAL
FRONT TO REAR	19
OTHER NON-COLLISION	1
OTHER OBJECT	1
SIDESWIPE	3
TURNING	20
INJURY CRASH TYPE	TOTAL
FATALITY	D
A INJURY	5
B INJURY	5
C INJURY	4

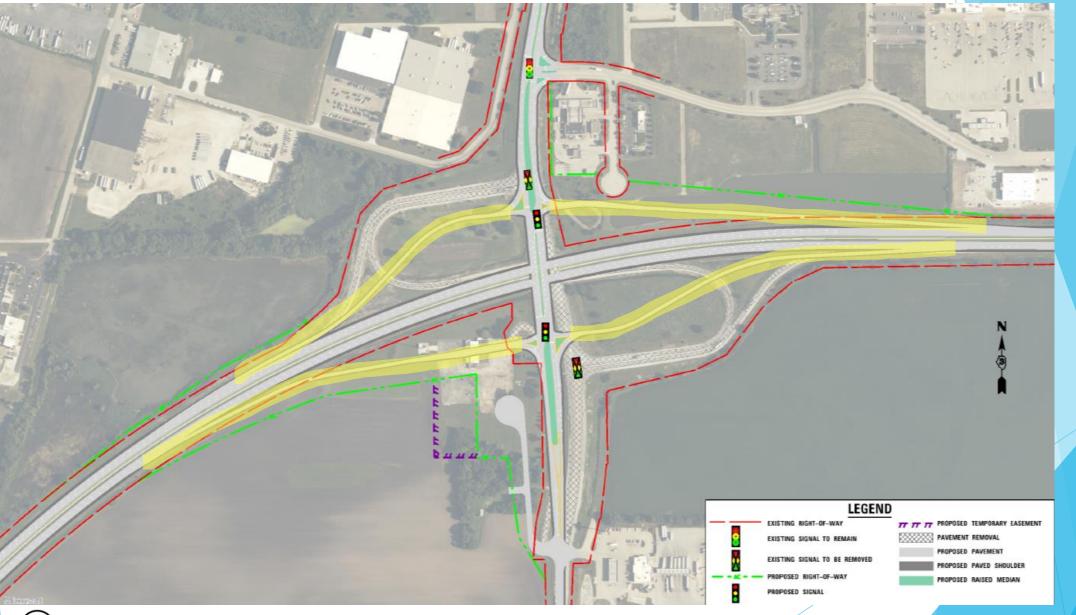


Alternative 1 - Conventional Diamond



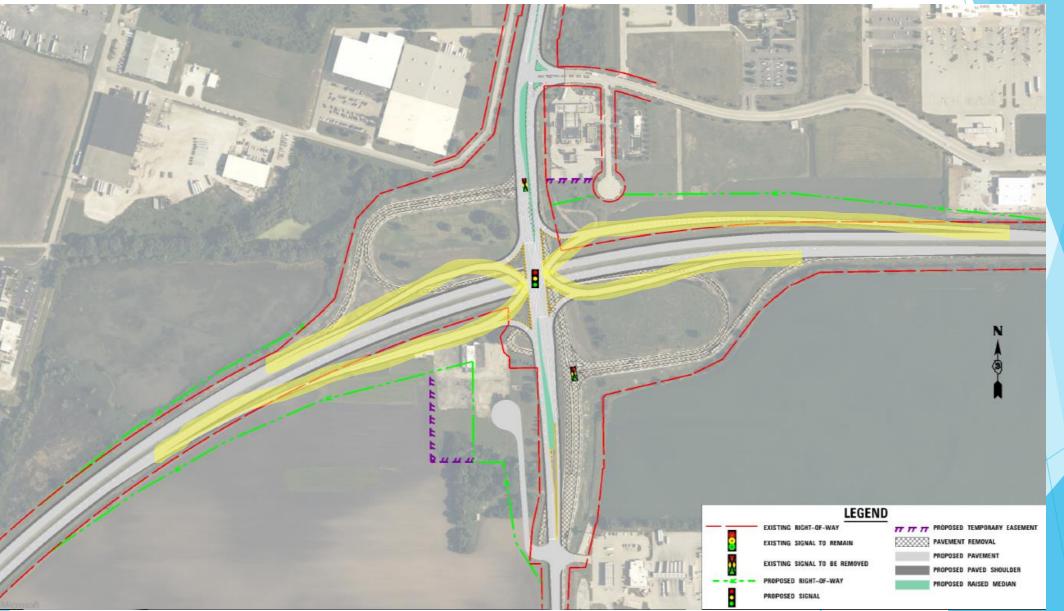


Alternative 2 - Compressed Diamond





Alternative 3 - Single Point Urban Interchange





Reconstruction of I-57 at US Route 45/52 Proposed Improvements

Proposed Improvements

- Reconstruct the existing interchange to be compatible with future expansion of I-57 to six lanes
- Reconstruct US45/52 on new alignment
- Maintain or upgrade existing traffic signals at US Route 45/52 and the ramps and Riverstone Parkway
- Make intersection, drainage, and safety improvements as needed
- Replace bridge carrying US Route 45/52 over I-57
- Temporary closure of some local streets and entrances may be necessary to accommodate the new interchange and maintain traffic flow



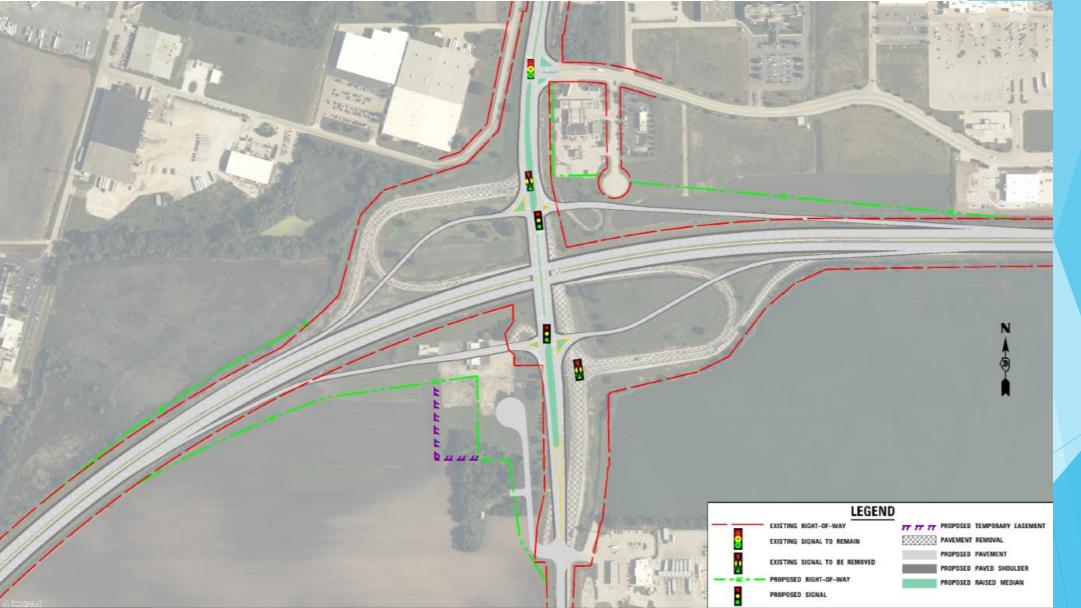
Comparison Matrix

		Comparison Features	No-Build	Alternative 1 Conventional Diamond	Alternative 2 Compressed Diamond	Alternative 3 Single Point
2	Number	of Mainline Access Points	4 (2NB,2SB)	4 (2NB,2SB)	4 (2NB,2SB)	4 (2NB,2SB)
Accessibility	Access – Local Roadways (Adj Areas)		Full Access	Full Access	Full Access	Full Access
sssi	Fully Dir	ectional	Yes	Yes	Yes	Yes
VCCE	Driver E	xpectancy	Good	Best	Best	Better
٩	Ranking		3	1	1	2
	Number	of Structures	1	1	1	1
S	Size of S	tructure (SF)	14,400	21,600	23,520	18,360
Geometrics		nodates I-57 Future 6 Lanes	No	Yes	Yes	Yes
E E		of Signalized Intersections	2	2	2	1
0e0		nodate WB-67	No	Yes	Yes	Yes
Ū		of Design Exceptions	Multiple	1	1	1
	Ranking		3	2	1	1
e E		nodation for Bicycles	No	Yes	Yes	Yes
Multi Use		nodation for Pedestrians	Poor	Yes	Yes	Marginal
	Ranking		3	1	1	2
	· · ·	/ – LOS - I-57 SB (AM/PM)	A/A	Α/Α	A/A	A/A
ffic	· · ·	/ – LOS - I-57 NB (AM/PM)	A/A	A/A	A/A	A/A
Traffic	· · ·	/ – LOS: US 45/52 N. Ramp Int. (AM/PM)	A/A	B/A	A/A	C/C
		/ – LOS: US 45/52 S. Ramp Int. (AM/PM)	A/A	A/A	A/A	
	Ranking AM		1 16.7	2 16.7	1 16.7	3 17.5
aff ns		Average Delay (Sec/Veh) AM Ranking	3	2	18.7	4
twork Trafi Operations		Average Delay (Sec/Veh)		21.2	<u>1</u> 19.5	21.3
vor		PM Ranking	19.5	3	19:5	21.5
Network Traffic Operations	Ranking		2	3	1	4
<u> </u>	2020	Predicted Total Crashes	16.8	3 14.9	14.9	10.4
_	2020	Predicted KAB Crashes	1.9	1.3	1.3	unknown
Safety	2038	Predicted Total Crashes		17.9	1.5	12.2
Sai		Predicted KAB Crashes	2.2	1.5	1.5	unknown
	Ranking		3	2	2	1

Comparison Matrix

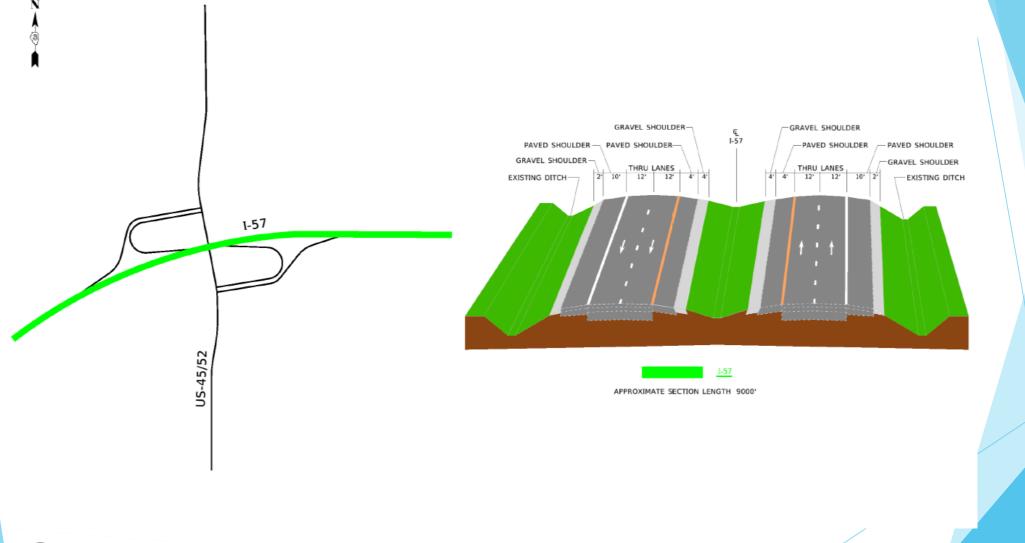
			Alternative 1	Alternative 2	Alternative 3
Category	Comparison Features	No-Build	Conventional Diamond	Compressed Diamond	Single Point
Environmental	Detention Ponds – Number (acres)	0	3.17	2.36	3.09
	Wetlands (acres)	0	5.50	5.09	5.09
	Displacements (Commercial or Residential)	0	0	0	0
	Commercial Property Takes (Full)*	0	9	7	8
	Commercial Property Takes (Partial)	0	7	8	6
	Anticipated NEPA Processing	N/A	CE	CE	CE
	Ranking	N/A	3	2	1
	Anticipated Right of Way (SF)	N/A	901,692	827,640	792,792
ROW	Number of Parcels Impacted*	N/A	16	15	14
æ	Ranking	N/A	3	2	1
	Construction Cost	-	\$66.9 M	\$66.1M	\$80.6M
Cost Evaluation	Right of Way Acquisition Cost	-	\$8.8M	\$7.3M	\$8.2M
	Utility Relocation Cost	-	\$450K	\$450K	\$450K
	Preliminary Engineering (5%)	-	\$3.3M	\$3.3M	\$4.0M
	Construction Engineering (3%)	-	\$2.0M	\$2.0M	\$2.4M
	Total Cost	-	\$81.5M	\$79.2M	\$95.6M
	Ranking	1	3	2	4
OVERALL CUMULATIVE SCORE		16	20	13	19
OVERALL ALTERNATIVE RANKINGS		2	4	1	3

Recommended Alternative - Compressed Diamond



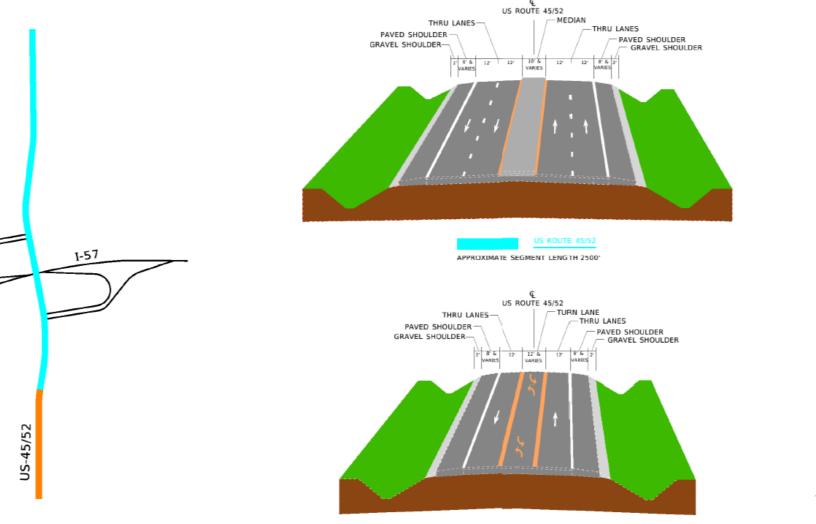


Existing I-57 Typical Sections





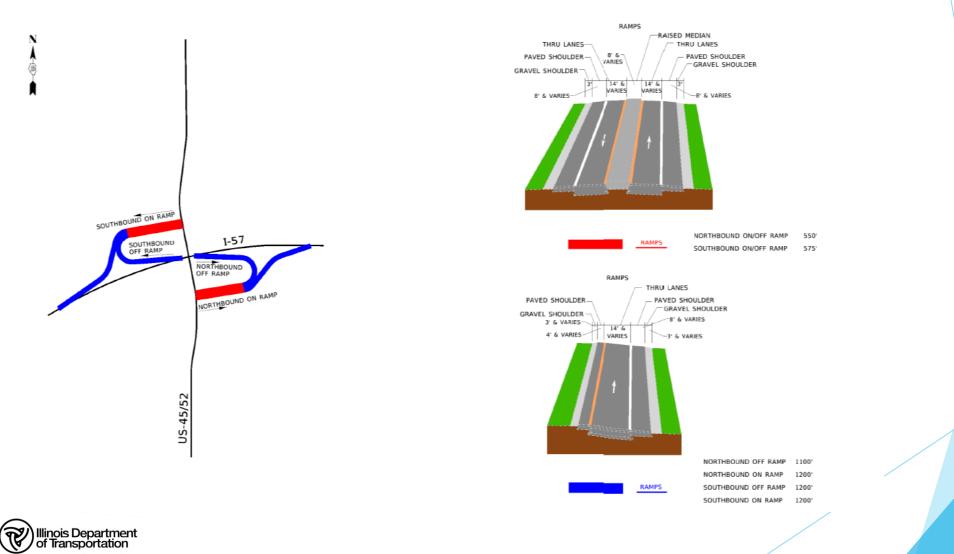
Existing US Route 45/52 Typical Sections



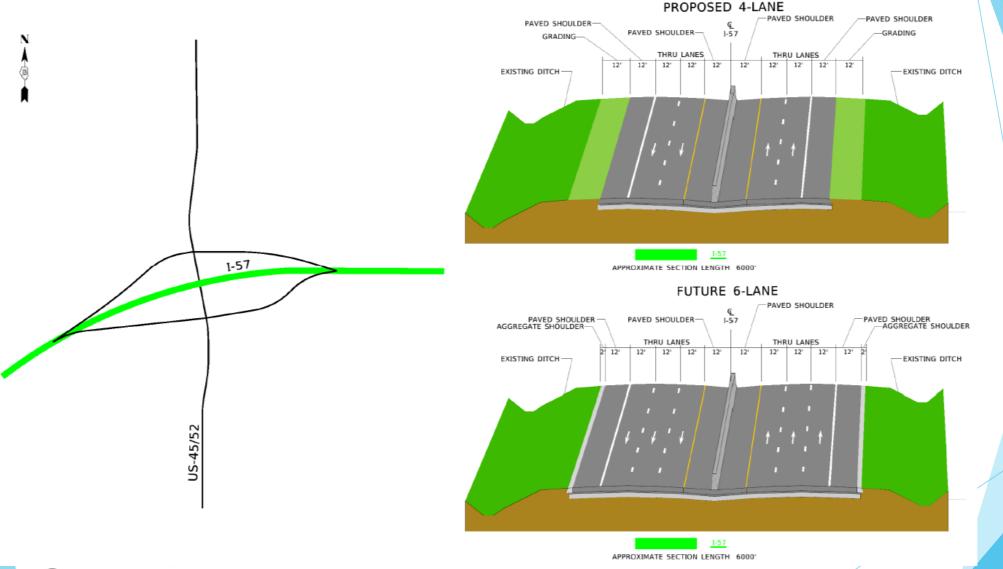


Illinois Department of Transportation

Existing I-57 At US Route 45/52 Interchange Ramp Typical Sections

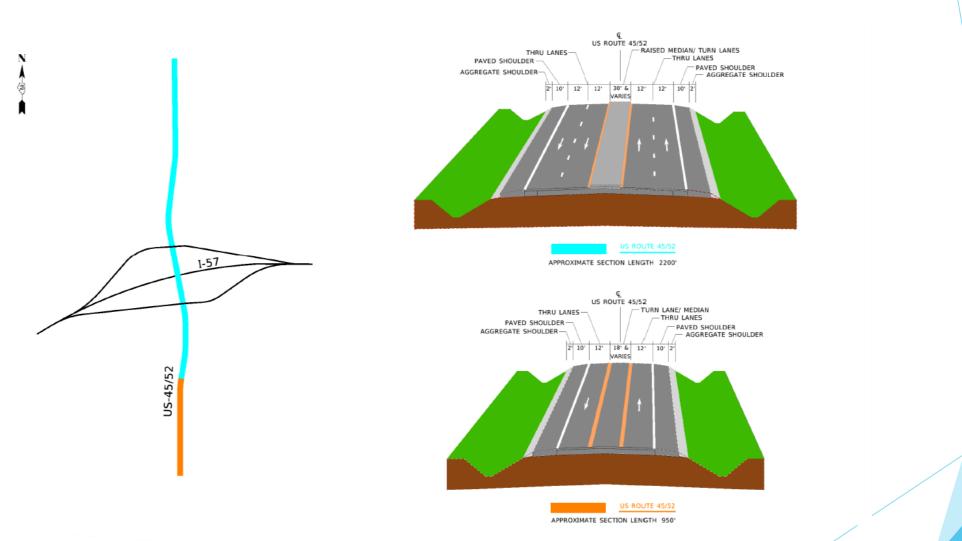


Proposed I-57 Typical Sections



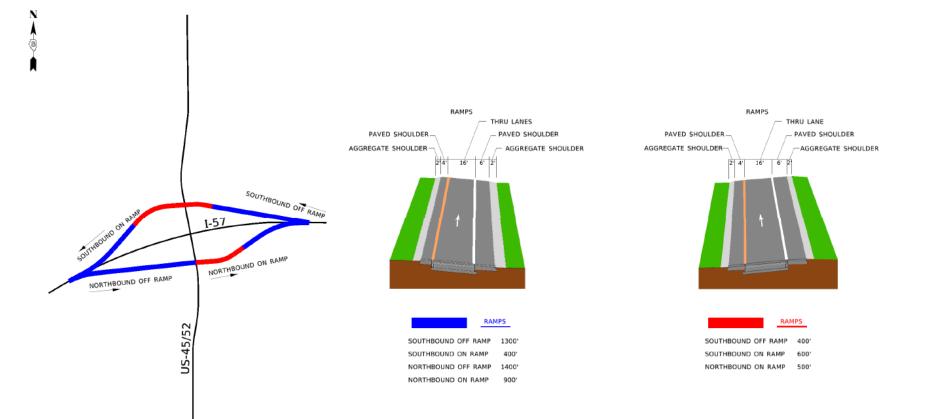
Illinois Department of Transportation

Proposed US Route 45/52 Typical Sections



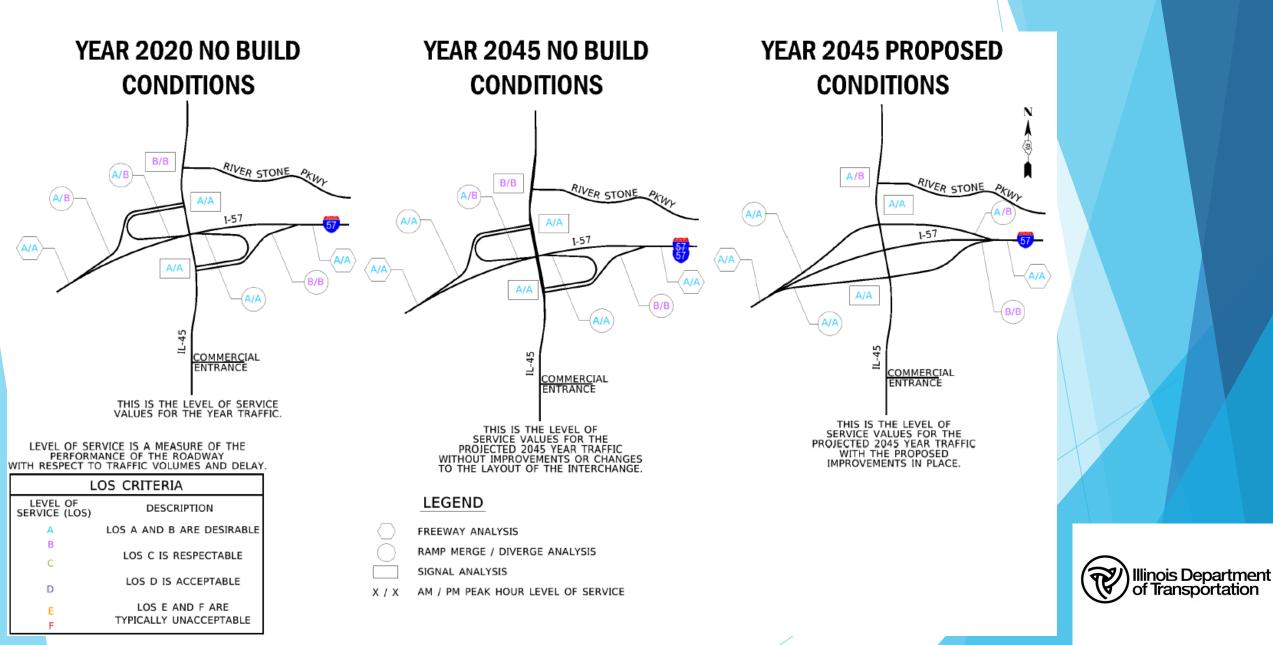


Proposed I-57 at US Route 45/52 Interchange Ramp Typical Sections





Level of Service Map



More Information

https://idot.illinois.gov/projects/i-57-at-us-45-52-interchange.html



Questions And Comments

- Should you have any additional questions or comments, you may contact Mr. Jacob Oyier of IDOT at 815-434-8575 or by email at <u>Jacob.Oyier@illinois.gov.</u>
- There is also a comment form if you choose to use it, or comments may be written and sent by mail to:
 - District 3 Program Development Engineer Attn: Project Study Team IDOT District 3 700 East Norris Drive Ottawa, Illinois 61350
- Please submit all comments to the Project Study Team by March 31, 2022.
 - Please include your full name and address so a response can be sent to you.
- ► Thank you.

