



I-69 EVANSVILLE TO INDIANAPOLIS TIER 2 STUDIES

Section 5—Final Environmental Impact Statement

APPENDIX JJ

LOCAL TRAVEL ACCESSIBILITY ANALYSIS



Summary of local travel accessibility analysis

Travel times were calculated by Bernardin, Lochmueller and Associates (BLA) based on the I-69 corridor model, using results from version 5.9 of the Indiana Statewide Travel Demand Model (ISTDM). Using representative Section 5 I-69 origin-destination (OD) points, BLA determined which corridor model (CM) node best represented each location. **Table 1** shows which travel model node corresponds to each location. Once these nodes were identified, a travel time matrix of all node-to-node paths was created in TransCAD 6.0 using the impedance matrix and network of each alternative.

Tables 2 through **5** illustrate congested travel times between 21 origin-destination locations for the No Build Alternative; Alternative 4; Alternatives 5, 7, 8, and Refined Preferred Alternative 8; and Alternative 6 respectively. As part of the FEIS, the Preferred Alternative 8 from the DEIS is now referred to as simply Alternative 8. Travel origins and destinations were selected to include a representative sample of existing and planned business centers (i.e. Walnut and Kirkwood (downtown Bloomington), Walmart, and Kinser/Prow Road), major employers (i.e. Hoosier Energy and Monroe Hospital), residential centers (i.e. Turkey Track and Windsor Private), community attractions (i.e. Maple Grove Historic District and Full Gospel Tabernacle), and the northern and southern project termini (i.e. SR 37/ SR 39 interchange and SR 37/Victor Pike). Some locations (such as downtown Bloomington) fall into more than one category.

Household and employment densities and levels of trip generation are not factored in this analysis. Travel times vary between location pairs based on access provided by each alternative. Alternatives 5, 7, 8, and Refined Preferred Alternative 8 provide very similar levels of access for the proposed I-69 Section 5 project, therefore travel patterns and travel times are assumed to be the same.



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Table 1: Summary of OD points analyzed		
OD location	CM Node	Location
1	231690	SR37 / Victor Pike
2	209318	Walnut and Kirkwood (Bloomington Downtown)
3	251878	SR 37 / 39 Interchange
4	1638	Monroe Hospital
5	1484	South Indiana Medical Park
6	1644	Walmart & Sam's Club
7	1608	Whitehall Crossing
8	240995	Arlington & 17th
9	1605	Vernal Pike / Industrial
10	1592	Kinser / Prow Road
11	1671	Hoosier Energy
12	241443	Maple Grove Historic District (HD)
13	209344	Ellettsville
14	241533	Simpson Church
15	1516	Full Gospel Tabernacle
16	241967	Liberty Church
17	231752	Turkey Track Neighborhood
18	1629	Windsor Private Neighborhood
19	1869	Legendary Hills Neighborhood
20	1834	Cooksey Lane Residences
21	209487	Paragon

Tables 6 through 8 summarize travel time differences between locations for the No Build Alternative; Alternative 4; Alternatives 5, 7, 8, Refined Preferred Alternative 8; and Alternative 6 respectively. It should be noted that these travel times are typical 24-hour congested travel times. Peak period travel time differences between the No Build and various build alternatives would be more favorable (show a greater positive effect for the various build alternatives), especially for OD pairs with one or both trip ends within Bloomington.

Following are key highlights of the differences in travel times:



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- Alternative 4: Average travel time change compared to No Build was an increase of 0.4 minutes; greatest increase in travel time 7.4 minutes (Legendary Neighborhood to SR 37/SR 39 Interchange); greatest reduction in travel time -6.6 minutes (northbound I-69 - SR 37/Victor Pike to SR 37/ SR 39 Interchange)
- Alternatives 5, 7, 8, and Refined Preferred Alternative 8: Average travel time change compared to No Build was an increase of 0.7 minutes; greatest increase in travel time 8.9 minutes (Turkey Track Neighborhood to Full Gospel Tabernacle); greatest reduction in travel time -6.8 minutes (southbound I-69 - SR 37/ SR 39 Interchange to SR 37/Victor Pike)
- Alternative 6: Average travel time change compared to No Build resulted in an increase of 1.0 minute; greatest increase in travel time 9.4 minutes (Maple Grove HD to Cooksey Lane); greatest reduction in travel time -6.7 minutes (southbound I-69 - SR 37/ SR 39 Interchange to SR 37/Victor Pike)

Changes in local travel accessibility are localized and vary between locations and alternatives. An example of these differences is summarized below for two major destinations within the project area: Walmart (located at 3313 W SR 45, Bloomington) and Hoosier Energy (located at 7398 N SR 37 Bloomington). Please also see **Appendices A, G, and Z** for details on travel patterns reported as part of the business needs survey, churches, and emergency responder coordination.

Walmart: In the No-Build congested travel condition, estimates indicate additional time travel requirements of 7.5 minutes from the southern end of Section 5 (SR 37/Victor Pike) and 25.5 minutes from the northern end of Section 5 (SR 37/SR 39) to Walmart. Residents traveling to Walmart who live at Arlington and 17th have a 9.4 minute travel time. Corresponding time from Maple Grove HD is 9.9 minutes, Windsor Private Neighborhood is 16.4 minutes, and Turkey Track Neighborhood is 21.0 minutes. Comparatively, Alternative 4 results in a reduction of 0.8 minutes from SR 37/Victor Pike and a reduction of 4.5 minutes from SR 37/SR 39 to Walmart. Alternatives 5, 7, 8, and Refined Preferred Alternative 8 would result in a reduction of 0.5 minutes from SR 37/Victor Pike and reduction of 5.0 minutes from SR 37/SR 39 to Walmart. Alternative 6 results in a reduction of 1.1 minutes from SR 37/Victor Pike and reduction of 5.1 minutes from SR 37/SR 39 to Walmart.

Hoosier Energy: In the existing No-Build congested travel condition, estimates indicate additional time travel requirements of 16.5 minutes from the southern end of Section 5 (SR 37/Victor Pike) and 15.9 minutes from the northern end of Section 5 (SR 37/SR 39) to Hoosier Energy. Residents traveling to Hoosier Energy who live at Arlington and 17th have a 10.9 minute travel time. Corresponding time from Maple Grove HD is 7.8 minutes, Windsor Private Neighborhood is 6.8 minutes, and Turkey Track Neighborhood is 11.4 minutes. Comparatively, Alternative 4 results in a reduction of 1.7 minutes from SR 37/Victor Pike and a reduction of 1.2 minutes from SR 37/SR 39 to Hoosier Energy. Alternatives 5, 7, 8, and Refined Preferred Alternative 8 would result in a reduction of 1.7 minutes from SR 37/Victor Pike or SR 37/SR 39 to Hoosier Energy. Alternative 6 results in a reduction of 1.6 minutes from SR 37/Victor Pike and reduction of 1.7 minutes from SR 37/SR 39 to Hoosier Energy.



Table 2: No-Build Congested Travel Times (minutes)

		Destinations																				
Origins		SR 37 / Victor Pike	Monroe Hospital	South Indiana Medical Park	Walmart & Sam's Club	Walnut and Kirkwood	Whitehall Crossing	Vernal Pike / Industrial	Arlington & 17th	Maple Grove HD	Kinser / Prow Rd.	Ellettsville	Hoosier Energy	Windsor Private Neighborhood	Simpson Church	Full Gospel Tabernacle	Cooksey Lane Residences	Paragon	Turkey Track Neighborhood	Liberty Church	Legendary Neighborhood	SR 37 / SR 39 Interchange
	SR 37 / Victor Pike			3.4	5.3	7.5	12.4	9.9	10.8	10.4	13.5	13.0	16.6	16.5	18.1	17.5	22.4	24.6	31.5	23.8	25.8	26.7
Monroe Hospital	4.3			4.7	5.8	12.0	9.3	10.2	9.7	12.9	12.4	14.8	15.9	17.5	16.8	21.7	24.0	30.8	23.1	25.1	26.1	27.5
South Indiana Medical Park	5.4	4.5			4.2	9.2	6.8	7.7	7.3	10.4	9.9	14.0	13.4	15.0	14.3	19.3	21.5	28.3	20.7	22.6	23.6	25.0
Walmart & Sam's Club	7.8	6.4	5.0			9.0	6.6	7.0	7.4	10.5	10.0	13.1	13.5	15.1	14.5	19.4	21.6	28.5	20.8	22.7	23.7	25.2
Walnut and Kirkwood	12.9	12.0	9.5	8.9			7.7	8.6	5.0	8.6	8.3	13.1	11.9	13.6	12.9	18.2	20.0	26.9	19.2	21.2	22.1	23.6
Whitehall Crossing	8.6	7.6	5.8	5.2	8.0			1.1	4.9	8.2	7.8	11.4	11.2	12.9	12.2	17.1	19.4	26.2	18.5	20.5	21.4	22.9
Vernal Pike / Industrial	9.0	8.0	6.2	5.7	8.4	1.1			4.8	7.7	7.7	9.5	11.1	12.8	12.1	17.0	19.3	26.1	18.4	20.4	21.3	22.8
Arlington & 17th	12.7	11.7	9.9	9.4	5.9	6.6	6.6			5.4	6.1	10.2	10.9	12.5	11.9	16.8	19.0	25.8	18.2	20.1	21.1	22.5
Maple Grove HD	13.2	12.2	10.4	9.9	9.3	7.1	7.1	5.0			4.0	7.6	7.8	9.4	8.7	13.5	15.9	22.7	15.0	17.0	18.0	19.4
Kinser / Prow Rd.	13.9	12.9	11.1	10.5	9.5	7.8	7.8	5.9	4.0			11.0	6.2	7.8	7.2	12.1	14.3	21.2	13.5	15.5	16.4	17.9
Ellettsville	16.1	14.0	13.4	12.4	13.4	10.6	8.3	9.1	7.1	10.3			14.0	15.7	15.0	16.4	22.2	20.9	21.3	23.3	24.3	25.7
Hoosier Energy	18.2	17.2	15.4	14.8	15.0	12.1	12.1	11.6	8.6	7.6	15.3			5.7	5.1	10.4	12.2	19.1	11.4	13.4	14.3	15.8
Windsor Private Neighborhood	19.7	18.7	16.9	16.4	16.6	13.6	13.6	13.2	10.1	9.2	16.8	6.8			2.0	7.3	9.2	16.0	8.3	10.3	11.3	12.7
Simpson Church	18.0	17.0	15.2	14.6	14.9	11.9	11.9	11.4	8.4	7.4	15.1	5.1	2.1			7.0	8.8	15.7	8.0	10.0	10.9	12.4
Full Gospel Tabernacle	23.3	22.3	20.5	19.9	20.2	17.2	17.2	16.7	13.7	12.7	17.6	10.4	7.7	5.8			10.6	16.0	9.8	11.7	12.7	14.1
Cooksey Lane Residences	26.9	25.9	24.1	23.5	23.5	20.8	20.8	20.3	17.3	16.3	24.0	13.5	11.3	9.4	11.2			12.0	4.3	6.1	7.1	8.5
Paragon	31.6	30.6	28.8	28.3	28.5	25.5	25.5	25.1	22.0	21.1	21.6	18.7	16.0	14.2	15.9	11.2			7.3	12.5	13.5	11.7
Turkey Track Neighborhood	24.3	23.4	21.6	21.0	21.2	18.2	18.2	17.8	14.7	13.8	21.4	11.4	8.7	6.9	8.7	3.9	7.7			5.3	6.2	7.7
Liberty Church	27.4	26.5	24.7	24.1	24.3	21.4	21.3	20.9	17.8	16.9	24.5	14.5	11.8	10.0	11.8	7.2	12.8				3.9	5.3
Legendary Neighborhood	27.3	26.3	24.5	23.9	24.2	21.2	21.2	20.7	17.7	16.7	24.4	14.4	11.6	9.8	11.6	7.1	12.6					4.6
SR 37 / SR 39 Interchange	28.8	27.8	26.0	25.5	25.7	22.7	22.7	22.2	19.2	18.3	25.9	15.9	13.2	11.4	13.1	8.6	11.7			6.5	5.4	3.5



Origins	Destinations																				
	SR 37 / Victor Pike	Monroe Hospital	South Indiana Medical Park	Walmart & Sam's Club	Walnut and Kirkwood	Whitehall Crossing	Vernal Pike / Industrial	Arlington & 17th	Maple Grove HD	Kinser / Prow Rd.	Ellettsville	Hoosier Energy	Windsor Private Neighborhood	Simpson Church	Full Gospel Tabernacle	Cooksey Lane Residences	Paragon	Turkey Track Neighborhood	Liberty Church	Legendary Neighborhood	SR 37 / SR 39 Interchange
SR 37 / Victor Pike		4.6	6.0	6.8	10.7	8.6	9.8	11.9	12.2	10.5	14.2	14.9	14.9	13.9	18.8	19.7	30.7	18.5	22.3	23.5	21.5
Monroe Hospital	4.5		5.6	6.3	11.8	9.7	10.8	11.8	13.3	11.6	15.3	15.9	16.0	15.0	19.9	20.8	31.8	19.6	23.4	24.5	22.6
South Indiana Medical Park	6.9	5.4		3.9	8.8	8.0	8.3	9.4	12.9	12.2	14.1	16.5	16.6	15.6	20.5	21.4	32.4	20.2	24.0	25.1	23.2
Walmart & Sam's Club	6.1	6.2	4.4		8.0	6.2	7.0	8.0	11.3	9.7	13.3	14.0	14.1	13.1	18.0	18.9	29.9	17.7	21.5	22.6	20.7
Walnut and Kirkwood	11.5	11.5	9.1	8.4		7.4	8.4	5.3	9.0	8.3	13.4	12.7	14.9	13.9	17.5	19.7	30.6	18.5	22.3	23.4	21.5
Whitehall Crossing	8.4	8.5	8.6	6.7	8.1		1.1	3.3	9.2	9.8	11.4	14.2	14.3	13.3	18.2	19.1	30.1	17.8	21.7	22.8	20.8
Vernal Pike / Industrial	9.0	9.0	9.0	7.2	8.6	1.1		2.5	7.7	9.5	9.5	14.7	14.8	13.8	18.7	19.6	30.6	18.4	22.2	23.3	21.4
Arlington & 17th	11.6	11.7	10.1	8.7	6.1	3.8	3.1		5.2	5.7	9.9	13.3	14.5	13.5	18.1	19.2	30.3	18.0	21.9	23.0	21.0
Maple Grove HD	12.9	12.9	13.4	11.5	9.7	9.3	8.1	5.3		6.3	7.7	9.8	12.0	11.0	13.5	16.8	26.5	15.6	19.4	20.5	18.6
Kinser / Prow Rd.	12.2	12.3	13.6	10.9	9.5	10.4	10.2	6.2	6.5		11.3	8.3	9.4	8.4	13.1	14.2	25.2	13.0	16.8	18.0	16.0
Ellettsville	14.0	14.0	13.3	12.6	13.9	10.7	8.9	9.1	7.1	10.8		16.2	16.3	15.3	16.3	21.1	20.9	19.9	23.7	24.8	22.9
Hoosier Energy	16.8	16.8	18.1	15.4	15.8	14.9	15.7	15.1	10.8	9.6	16.9		6.5	6.0	10.9	13.1	22.3	11.9	15.7	16.8	14.9
Windsor Private Neighborhood	16.3	16.4	17.7	15.0	17.6	14.5	15.2	14.9	12.1	9.8	16.4	6.4		5.6	8.3	12.6	18.5	11.4	15.2	16.3	14.4
Simpson Church	15.1	15.2	16.4	13.8	16.4	13.3	14.0	13.7	10.9	8.6	15.2	6.3	6.3		6.6	12.3	16.5	11.2	15.0	16.1	14.2
Full Gospel Tabernacle	19.6	19.7	20.9	18.3	19.6	17.8	18.5	18.1	13.9	13.1	17.4	10.7	7.8	5.8		12.8	16.5	13.1	16.7	18.0	17.7
Cooksey Lane Residences	21.0	21.1	22.4	19.7	22.3	19.2	19.9	19.6	16.8	14.5	21.1	13.4	12.8	11.4	12.2		17.5	3.1	6.7	8.0	7.7
Paragon	31.4	31.4	32.7	30.0	32.3	29.5	30.3	29.9	26.6	24.9	21.6	21.4	18.2	16.0	16.6	18.3		8.5	13.1	14.5	11.6
Turkey Track Neighborhood	18.5	18.6	19.9	17.2	19.8	16.7	17.4	17.1	14.3	12.1	18.7	10.9	11.0	9.0	12.8	2.9	8.8		4.6	5.7	6.2
Liberty Church	23.7	23.8	25.0	22.4	24.9	21.9	22.6	22.2	19.5	17.2	23.8	16.0	16.1	14.1	16.4	7.1	13.0	5.5		3.8	8.4
Legendary Neighborhood	24.3	24.4	25.7	23.0	25.6	22.5	23.2	22.9	20.1	17.9	24.4	16.7	16.8	14.8	18.2	8.7	13.9	6.1	3.8		12.0
SR 37 / SR 39 Interchange	22.3	22.4	23.7	21.0	23.6	20.5	21.2	20.9	18.1	15.9	22.4	14.7	14.8	12.8	17.7	8.1	11.6	5.8	7.4	10.7	



Table 4: Alternatives 5, 7, 8, and Refined Preferred Alternative 8 Congested Travel Times (minutes)

		Destinations																				
Origins		SR37 / Victor Pike	Monroe Hospital	South Indiana Medical Park	Walmart & Sam's Club	Walnut and Kirkwood	Whitehall Crossing	Vernal Pike / Industrial	Arlington & 17th	Maple Grove HD	Kinser / Prow Rd.	Ellettsville	Hoosier Energy	Windsor Private Neighborhood	Simpson Church	Full Gospel Tabernacle	Cooksey Lane Residences	Paragon	Turkey Track Neighborhood	Liberty Church	Legendary Hills Neighborhood	SR 37 / 39 Interchange
	SR37 / Victor Pike		4.9	4.2	7.0	10.7	8.3	9.5	11.6	12.3	13.3	14.4	14.8	14.8	13.8	18.6	25.0	30.2	23.9	19.8	22.1	21.8
Monroe Hospital	4.8		5.1	5.7	11.6	9.2	10.2	11.3	13.2	14.2	15.3	15.7	15.7	14.7	19.6	25.9	31.1	24.8	20.7	23.0	22.7	
South Indiana Medical Park	5.8	5.6		4.6	9.2	8.5	9.1	10.1	12.5	13.5	14.6	15.0	15.0	14.0	18.8	25.2	30.4	24.1	20.0	22.3	22.0	
Walmart & Sam's Club	6.8	6.4	4.5		8.4	6.6	7.0	8.0	11.5	12.5	13.5	13.9	14.0	12.9	17.8	24.1	29.3	23.0	18.9	21.2	20.9	
Walnut and Kirkwood	11.3	11.1	9.1	8.2		7.7	8.3	5.2	8.9	8.4	13.7	12.3	14.8	13.8	18.7	23.0	30.2	23.9	19.8	22.1	21.8	
Whitehall Crossing	8.2	8.0	8.3	6.6	8.2		1.1	3.2	8.9	10.3	11.9	13.9	14.0	12.9	17.8	24.1	29.3	23.0	18.9	21.2	20.9	
Vernal Pike / Industrial	8.7	8.5	8.8	7.2	8.7	1.1		2.5	7.7	9.6	9.9	14.4	14.5	13.4	18.3	24.6	29.8	23.5	19.5	21.7	21.4	
Arlington & 17th	11.6	11.4	10.8	8.7	6.1	4.0	3.1		5.7	7.0	9.9	13.9	14.9	13.8	17.6	24.6	30.2	23.9	19.9	22.1	21.8	
Maple Grove HD	13.1	12.9	13.2	11.6	9.8	9.3	8.2	5.4		7.5	7.7	14.5	15.1	12.5	13.5	25.3	26.5	24.2	20.1	22.4	22.1	
Kinser / Prow Rd.	14.6	14.4	14.7	13.1	9.6	10.5	9.7	6.6	6.8		11.7	8.6	10.7	9.3	12.1	20.4	25.2	20.2	16.1	18.4	18.1	
Ellettsville	14.1	13.9	14.2	12.6	14.0	11.4	9.2	9.1	7.1	11.7		16.1	16.1	15.0	16.4	26.3	20.9	25.2	21.1	23.4	23.1	
Hoosier Energy	16.3	16.1	16.4	14.8	14.6	14.1	15.2	13.8	14.4	8.8	16.4		6.6	6.1	11.0	15.3	22.5	17.1	13.0	15.3	15.0	
Windsor Private Neighborhood	15.8	15.6	16.0	14.3	16.8	13.7	14.7	14.4	13.9	10.9	15.9	6.5		5.6	8.7	14.1	20.8	16.6	12.5	14.8	14.5	
Simpson Church	14.9	14.7	15.0	13.4	15.9	12.7	13.8	13.5	13.0	10.0	15.0	6.0	6.1		6.7	13.3	16.4	16.0	11.9	14.2	13.9	
Full Gospel Tabernacle	19.4	19.2	19.5	17.9	20.3	17.2	18.2	17.9	14.3	12.9	17.6	10.5	8.5	5.9		13.7	16.5	16.6	16.4	18.6	18.4	
Cooksey Lane Residences	25.1	24.9	25.2	23.6	25.0	22.9	23.9	23.6	23.1	20.0	25.2	15.0	13.2	12.1	12.8		18.6	11.0	6.7	9.1	9.8	
Paragon	30.8	30.6	30.9	29.3	31.8	28.6	29.7	29.4	26.9	25.6	21.5	21.9	20.0	15.9	16.6	18.1		8.5	12.8	14.4	11.6	
Turkey Track Neighborhood	24.0	23.8	24.1	22.5	24.9	21.8	22.8	22.5	22.1	19.1	24.1	16.2	16.3	14.5	17.5	10.3	8.8		5.0	6.3	8.0	
Liberty Church	20.7	20.5	20.8	19.2	21.6	18.5	19.5	19.2	18.7	15.8	20.8	12.9	13.0	11.1	16.0	6.8	13.0	5.4		3.6	4.3	
Legendary Hills Neighborhood	22.6	22.4	22.7	21.1	23.5	20.4	21.4	21.1	20.7	17.7	22.7	14.8	14.9	13.1	17.9	8.9	14.2	6.3	3.6		6.6	
SR 37 / 39 Interchange	22.0	21.8	22.1	20.5	22.9	19.8	20.8	20.5	20.0	17.1	22.1	14.2	14.3	12.4	17.3	9.7	11.6	7.6	4.4	5.8		



Table 5: Alternative 6 Congested Travel Times (minutes)																					
	Destinations																				
	SR37 / Victor Pike	Monroe Hospital	South Indiana Medical Park	Walmart & Sam's Club	Walnut and Kirkwood	Whitehall Crossing	Vernal Pike / Industrial	Arlington & 17th	Maple Grove HD	Kinser / Prow Rd.	Ellettsville	Hoosier Energy	Windsor Private Neighborhood	Simpson Church	Full Gospel Tabernacle	Cooksey Lane Residences	Paragon	Turkey Track Neighborhood	Liberty Church	Legendary Hills Neighborhood	SR 37 / 39 Interchange
Origins	SR37 / Victor Pike	4.9	7.9	6.4	10.6	8.3	9.5	11.6	12.4	13.5	14.4	14.9	14.9	13.8	18.7	25.1	30.4	23.7	20.2	22.2	21.9
	Monroe Hospital	4.8	5.5	5.7	11.5	9.2	10.2	11.2	13.3	14.4	15.3	15.8	15.8	14.8	19.6	26.0	31.3	24.6	21.1	23.1	22.8
	South Indiana Medical Park	8.7	6.1	4.0	9.3	8.4	8.5	9.5	13.0	14.8	14.8	16.2	16.2	15.2	20.0	26.4	31.7	25.0	21.5	23.5	23.2
	Walmart & Sam's Club	6.3	6.1	4.6	8.4	6.6	7.0	8.0	11.4	12.5	13.4	13.9	13.9	12.9	17.7	24.1	29.4	22.7	19.2	21.2	20.9
	Walnut and Kirkwood	11.4	11.2	9.1	8.3	7.6	8.4	5.3	9.1	8.4	13.7	11.3	14.7	13.4	16.4	23.0	29.5	24.0	20.5	22.5	22.2
	Whitehall Crossing	8.3	8.1	8.7	6.5	8.2	1.1	3.2	8.9	10.3	11.9	13.9	13.9	12.9	17.8	24.1	29.4	22.7	19.2	21.2	20.9
	Vernal Pike / Industrial	8.8	8.6	9.2	7.1	8.7	1.1	2.5	7.7	9.6	9.8	14.4	14.5	13.4	18.3	24.6	29.9	23.3	19.7	21.8	21.4
	Arlington & 17th	11.7	11.5	10.3	8.7	6.2	4.0	3.1	5.7	7.1	9.9	12.9	14.9	13.9	18.1	24.6	30.4	23.8	20.2	22.2	21.9
	Maple Grove HD	13.2	13.0	13.7	11.4	9.8	9.3	8.2	5.4	7.4	7.7	12.6	15.2	12.5	13.5	25.3	26.5	24.0	20.4	22.5	22.1
	Kinser / Prow Rd.	14.6	14.4	15.7	12.9	9.6	10.5	9.7	6.6	6.9	11.7	7.6	11.1	9.8	12.8	20.0	25.8	20.8	17.3	19.3	19.0
	Ellettsville	14.2	14.0	14.0	12.4	14.0	11.4	9.2	9.1	7.1	11.7	16.1	16.2	15.1	16.4	26.3	20.9	25.0	21.4	23.5	23.1
	Hoosier Energy	16.4	16.3	17.5	14.7	13.9	14.2	15.2	13.1	13.8	8.0	16.4	6.6	6.1	11.0	15.3	22.6	16.8	13.3	15.3	15.0
	Windsor Private Neighborhood	15.9	15.8	17.0	14.2	16.9	13.7	14.7	14.4	13.9	11.1	15.9	6.5	5.6	8.3	14.1	19.2	16.3	12.8	14.8	14.5
	Simpson Church	15.0	14.8	16.1	13.3	16.2	12.7	13.7	13.4	13.0	10.5	15.0	6.0	6.1	6.1	12.7	16.5	15.7	12.2	14.2	13.9
	Full Gospel Tabernacle	19.5	19.3	20.6	17.8	18.6	17.2	18.2	17.8	14.3	12.7	17.6	10.5	8.5	5.3	13.7	16.5	16.6	16.7	18.7	18.4
	Cooksey Lane Residences	25.2	25.0	26.3	23.4	25.0	22.9	23.9	23.6	23.1	19.7	25.1	15.0	13.2	11.2	12.4	18.9	11.0	6.7	9.5	9.9
	Paragon	31.2	31.0	32.3	29.5	31.2	28.9	29.9	29.6	26.9	25.4	21.5	22.2	19.0	16.6	18.7		8.5	13.5	14.5	11.6
	Turkey Track Neighborhood	23.0	22.8	24.1	21.3	24.2	20.7	21.7	21.4	21.0	19.4	23.0	15.1	15.2	13.4	17.5	10.3	8.8	5.1	6.0	7.6
	Liberty Church	20.9	20.7	22.0	19.2	22.1	18.6	19.6	19.3	18.9	17.3	20.9	13.0	13.1	11.3	16.2	7.1	13.7	5.8	4.3	4.7
	Legendary Hills Neighborhood	22.1	22.0	23.2	20.4	23.3	19.9	20.9	20.6	20.1	18.5	22.1	14.3	14.3	12.5	17.4	9.5	14.2	6.1	4.3	6.8
	SR 37 / 39 Interchange	22.1	21.9	23.2	20.3	23.3	19.8	20.8	20.5	20.0	18.5	22.0	14.2	14.3	12.4	17.3	10.2	11.6	7.7	5.0	6.2



Table 6: Alternative 4 Change in Congested Travel Times Compared to No-Build Alternative (minutes)

		Destinations																				
Origins		SR 37 / Victor Pike	Monroe Hospital	South Indiana Medical Park	Walmart & Sam's Club	Walnut and Kirkwood	Whitehall Crossing	Vernal Pike / Industrial	Arlington & 17th	Maple Grove HD	Kinser / Prow Rd.	Ellettsville	Hoosier Energy	Windsor Private Neighborhood	Simpson Church	Full Gospel Tabernacle	Cooksey Lane Residences	Paragon	Turkey Track Neighborhood	Liberty Church	Legendary Neighborhood	SR 37 / SR 39 Interchange
	SR 37 / Victor Pike			1.3	0.6	-0.8	-1.7	-1.3	-1.0	1.5	-1.3	-2.5	-2.4	-1.7	-3.2	-3.5	-3.6	-4.9	-0.7	-5.3	-3.4	-3.3
Monroe Hospital	0.1		0.9	0.5	-0.2	0.4	0.6	2.1	0.4	-0.8	0.4	0.1	-1.5	-1.8	-1.8	-3.2	1.0	-3.6	-1.7	-1.5	-4.9	
South Indiana Medical Park	1.5	0.9		-0.3	-0.4	1.2	0.6	2.1	2.5	2.3	0.1	3.1	1.6	1.3	1.2	-0.1	4.1	-0.5	1.4	1.5	-1.9	
Walmart & Sam's Club	-1.7	-0.3	-0.6		-0.9	-0.4	0.0	0.6	0.8	-0.4	0.2	0.5	-1.0	-1.4	-1.4	-2.7	1.4	-3.1	-1.3	-1.1	-4.5	
Walnut and Kirkwood	-1.4	-0.5	-0.4	-0.5		-0.2	-0.2	0.3	0.3	0.0	0.3	0.8	1.3	1.0	-0.6	-0.4	3.7	-0.7	1.1	1.3	-2.1	
Whitehall Crossing	-0.1	0.9	2.8	1.4	0.1		0.0	-1.6	0.9	2.1	0.0	2.9	1.4	1.1	1.0	-0.3	3.9	-0.7	1.2	1.3	-2.0	
Vernal Pike / Industrial	0.0	1.0	0.2	1.5	0.2	0.0		-2.2	0.0	1.8	0.0	3.5	2.0	1.7	1.6	0.3	4.5	-0.1	1.8	1.9	-1.4	
Arlington & 17th	-1.1	0.0	3.0	0.7	0.2	-2.9	-3.5		-0.3	-0.3	-0.3	2.4	1.9	1.6	1.4	0.2	4.4	-0.1	1.7	1.9	-1.5	
Maple Grove HD	-0.3	0.7	2.5	1.6	0.4	2.2	0.9	0.3		2.2	0.0	2.1	2.6	2.3	0.0	0.9	3.8	0.5	2.4	2.6	-0.8	
Kinser / Prow Rd.	-1.6	-0.6	2.5	0.4	0.0	2.6	2.4	0.3	2.4		0.3	2.1	1.6	1.3	1.0	-0.1	4.1	-0.5	1.4	1.5	-1.9	
Ellettsville	-2.2	0.0	-0.1	0.2	0.5	0.1	0.5	0.0	0.0	0.5		2.1	0.6	0.3	-0.2	-1.1	0.0	-1.5	0.4	0.5	-2.9	
Hoosier Energy	-1.4	-0.4	2.7	0.6	0.8	2.9	3.6	3.5	2.2	2.0	1.6		0.7	0.9	0.5	0.8	3.2	0.5	2.3	2.5	-0.9	
Windsor Private Neighborhood	-3.4	-2.3	0.7	-1.4	1.0	0.9	1.6	1.7	2.0	0.7	-0.4	-0.4		3.6	1.0	3.4	2.5	3.1	4.9	5.1	1.7	
Simpson Church	-2.9	-1.8	1.2	-0.9	1.5	1.4	2.1	2.2	2.5	1.2	0.1	1.2	4.2		-0.4	3.5	0.9	3.2	5.0	5.2	1.8	
Full Gospel Tabernacle	-3.7	-2.7	0.4	-1.7	-0.6	0.6	1.3	1.4	0.2	0.3	-0.2	0.4	0.1	0.0		2.2	0.6	3.3	4.9	5.3	3.5	
Cooksey Lane Residences	-5.9	-4.8	-1.8	-3.9	-1.2	-1.6	-0.9	-0.8	-0.5	-1.8	-2.9	-0.2	1.6	2.0	1.0		5.5	-1.2	0.6	1.0	-0.9	
Paragon	-0.2	0.8	3.9	1.8	3.8	4.0	4.8	4.9	4.5	3.8	0.0	2.7	2.2	1.8	0.7	7.1		1.2	0.6	1.0	0.0	
Turkey Track Neighborhood	-5.8	-4.8	-1.7	-3.8	-1.4	-1.5	-0.8	-0.7	-0.4	-1.7	-2.8	-0.5	2.3	2.1	4.1	-1.0	1.2		-0.7	-0.5	-1.4	
Liberty Church	-3.7	-2.7	0.4	-1.7	0.6	0.5	1.3	1.4	1.6	0.3	-0.7	1.5	4.3	4.2	4.6	-0.1	0.2	0.3		0.0	3.0	
Legendary Neighborhood	-2.9	-1.9	1.2	-0.9	1.4	1.3	2.1	2.2	2.5	1.1	0.1	2.3	5.1	5.0	6.6	1.6	1.3	1.1	-0.1		7.4	
SR 37 / SR 39 Interchange	-6.5	-5.4	-2.4	-4.5	-2.1	-2.2	-1.5	-1.4	-1.1	-2.4	-3.5	-1.2	1.6	1.4	4.5	-0.6	0.0	-0.7	2.0	7.2		

Travel Time compared to 2035 No Build

Between -10 and -1 minutes

Between -1 and 1 minutes

Between 1 and 10 minutes





Table 7: Alternatives 5, 7, 8, and Refined Preferred Alternative 8 Change in Congested Travel Times Compared to No-Build Alternative (minutes)

Origins	Destinations																					
	SR37 / Victor Pike	Monroe Hospital	South Indiana Medical Park	Walmart & Sam's Club	Walnut and Kirkwood	Whitehall Crossing	Vernal Pike / Industrial	Arlington & 17th	Maple Grove HD	Kinser / Prow Rd.	Ellettsville	Hoosier Energy	Windsor Private Neighborhood	Simpson Church	Full Gospel Tabernacle	Cooksey Lane Residences	Paragon	Turkey Track Neighborhood	Liberty Church	Legendary Hills Neighborhood	SR 37 / 39 Interchange	
SR37 / Victor Pike		1.5	-1.1	-0.5	-1.8	-1.6	-1.3	1.2	-1.2	0.3	-2.3	-1.7	-3.3	-3.7	-3.7	0.3	-1.3	0.1	-5.9	-4.7	-6.4	
Monroe Hospital	0.5		0.5	0.0	-0.4	0.0	0.1	1.5	0.4	1.8	0.4	-0.2	-1.8	-2.2	-2.2	1.9	0.3	1.6	-4.4	-3.1	-4.8	
South Indiana Medical Park	0.4	1.1		0.5	0.0	1.7	1.4	2.9	2.1	3.6	0.5	1.6	0.0	-0.4	-0.4	3.7	2.1	3.4	-2.6	-1.3	-3.0	
Walmart & Sam's Club	-1.0	0.0	-0.5		-0.6	0.0	0.0	0.6	1.0	2.4	0.3	0.4	-1.2	-1.6	-1.6	2.5	0.9	2.2	-3.8	-2.5	-4.2	
Walnut and Kirkwood	-1.5	-0.9	-0.5	-0.7		0.0	-0.3	0.2	0.3	0.1	0.6	0.3	1.3	0.9	0.5	3.0	3.3	4.7	-1.3	-0.1	-1.8	
Whitehall Crossing	-0.4	0.4	2.5	1.4	0.2		0.0	-1.6	0.7	2.5	0.5	2.7	1.1	0.7	0.7	4.7	3.1	4.5	-1.5	-0.2	-2.0	
Vernal Pike / Industrial	-0.3	0.5	2.6	1.5	0.3	0.0		-2.2	0.0	1.9	0.3	3.3	1.7	1.3	1.3	5.3	3.7	5.1	-0.9	0.4	-1.4	
Arlington & 17th	-1.1	-0.3	0.8	-0.7	0.3	-2.7	-3.5		0.2	1.0	-0.3	3.0	2.4	2.0	0.9	5.6	4.4	5.8	-0.3	1.0	-0.7	
Maple Grove HD	-0.1	0.7	2.8	1.7	0.5	2.2	1.1	0.4		3.4	0.0	6.7	5.7	3.8	0.0	9.4	3.8	9.1	3.1	4.4	2.7	
Kinser / Prow Rd.	0.7	1.4	3.6	2.5	0.2	2.7	1.9	0.7	2.8		0.7	2.4	2.9	2.2	0.0	6.1	4.0	6.7	0.7	2.0	0.2	
Ellettsville	-2.0	-0.1	0.8	0.2	0.6	0.8	0.9	0.0	0.0	1.4		2.0	0.4	0.0	0.0	4.1	0.0	3.8	-2.2	-0.9	-2.6	
Hoosier Energy	-1.8	-1.1	1.1	0.0	-0.5	2.1	3.1	2.2	5.8	1.1	1.1		0.8	1.0	0.6	3.1	3.5	5.7	-0.3	0.9	-0.8	
Windsor Private Neighborhood	-3.8	-3.1	-1.0	-2.0	0.2	0.0	1.1	1.2	3.8	1.8	-0.9	-0.3		3.6	1.3	4.9	4.8	8.2	2.2	3.5	1.8	
Simpson Church	-3.0	-2.3	-0.2	-1.2	1.0	0.8	1.9	2.0	4.6	2.6	-0.1	0.9	4.0		-0.3	4.5	0.8	8.0	2.0	3.2	1.5	
Full Gospel Tabernacle	-3.9	-3.1	-1.0	-2.1	0.2	0.0	1.1	1.2	0.6	0.1	0.0	0.1	0.9	0.1		3.1	0.6	6.9	4.7	5.9	4.2	
Cooksey Lane Residences	-1.8	-1.0	1.1	0.0	1.5	2.1	3.2	3.3	5.8	3.7	1.2	1.5	2.0	2.7	1.6		6.6	6.6	0.5	2.1	1.3	
Paragon	-0.8	0.0	2.1	1.0	3.3	3.1	4.2	4.3	4.9	4.5	0.0	3.2	4.0	1.7	0.7	6.9		1.2	0.3	0.9	0.0	
Turkey Track Neighborhood	-0.3	0.4	2.6	1.5	3.7	3.6	4.6	4.8	7.3	5.3	2.6	4.8	7.6	7.6	8.9	6.4	1.2		-0.2	0.1	0.3	
Liberty Church	-6.7	-6.0	-3.9	-4.9	-2.7	-2.8	-1.8	-1.7	0.9	-1.1	-3.8	-1.6	1.2	1.1	4.3	-0.5	0.2	0.2		-0.3	-1.1	
Legendary Hills Neighborhood	-4.6	-3.9	-1.8	-2.8	-0.6	-0.8	0.3	0.4	3.0	1.0	-1.7	0.5	3.2	3.2	6.4	1.8	1.6	1.3	-0.3		2.0	
SR 37 / 39 Interchange	-6.8	-6.1	-3.9	-5.0	-2.8	-2.9	-1.9	-1.7	0.8	-1.2	-3.9	-1.7	1.1	1.1	4.2	1.1	0.0	1.1	-1.0	2.3		

Travel Time compared to 2035 No Build

Between -10 and -1 minutes

Between -1 and 1 minutes

Between 1 and 10 minutes



Table 8: Alternative 6 Change in Congested Travel Times Compared to No-Build Alternative (minutes)

	Destinations																				
	SR37 / Victor Pike	Monroe Hospital	South Indiana Medical Park	Walmart & Sam's Club	Walnut and Kirkwood	Whitehall Crossing	Vernal Pike / Industrial	Arlington & 17th	Maple Grove HD	Kinser / Prow Rd.	Ellettsville	Hoosier Energy	Windsor Private Neighborhood	Simpson Church	Full Gospel Tabernacle	Cooksey Lane Residences	Paragon	Turkey Track Neighborhood	Liberty Church	Legendary Hills Neighborhood	SR 37 / 39 Interchange
SR37 / Victor Pike		1.5	2.6	-1.1	-1.8	-1.6	-1.3	1.2	-1.1	0.4	-2.2	-1.6	-3.2	-3.6	-3.7	0.4	-1.1	-0.1	-5.6	-4.5	-6.3
Monroe Hospital	0.5		0.8	-0.1	-0.4	-0.1	0.0	1.5	0.4	2.0	0.5	-0.1	-1.7	-2.1	-2.1	2.0	0.5	1.5	-4.0	-2.9	-4.7
South Indiana Medical Park	3.2	1.6		-0.2	0.1	1.6	0.8	2.2	2.6	4.9	0.8	2.8	1.2	0.8	0.8	4.9	3.3	4.4	-1.1	-0.1	-1.9
Walmart & Sam's Club	-1.5	-0.3	-0.4		-0.6	0.0	0.0	0.6	0.9	2.4	0.2	0.4	-1.2	-1.6	-1.6	2.4	0.9	1.9	-3.6	-2.5	-4.3
Walnut and Kirkwood	-1.5	-0.9	-0.4	-0.7		0.0	-0.2	0.3	0.4	0.1	0.5	-0.6	1.2	0.6	-1.7	2.9	2.6	4.8	-0.7	0.4	-1.4
Whitehall Crossing	-0.3	0.5	2.9	1.3	0.2		0.0	-1.6	0.7	2.5	0.5	2.7	1.1	0.7	0.7	4.7	3.2	4.2	-1.3	-0.2	-2.0
Vernal Pike / Industrial	-0.2	0.6	2.9	1.4	0.3	0.0		-2.2	0.0	1.9	0.3	3.3	1.7	1.3	1.3	5.3	3.8	4.8	-0.7	0.4	-1.4
Arlington & 17th	-1.0	-0.2	0.4	-0.7	0.3	-2.7	-3.5		0.3	1.0	-0.3	2.1	2.4	2.0	1.3	5.6	4.5	5.6	0.1	1.2	-0.7
Maple Grove HD	0.0	0.8	3.3	1.6	0.5	2.2	1.1	0.4		3.4	0.0	4.8	5.8	3.8	0.0	9.4	3.8	8.9	3.4	4.5	2.7
Kinser / Prow Rd.	0.7	1.5	4.6	2.3	0.2	2.7	1.9	0.6	2.8		0.7	1.4	3.2	2.6	0.7	5.7	4.6	7.3	1.8	2.9	1.1
Ellettsville	-2.0	0.0	0.5	0.0	0.6	0.8	0.9	0.0	0.0	1.4		2.1	0.5	0.1	0.0	4.1	0.0	3.6	-1.9	-0.8	-2.6
Hoosier Energy	-1.7	-0.9	2.1	-0.1	-1.2	2.1	3.1	1.5	5.2	0.4	1.1		0.8	1.0	0.6	3.1	3.5	5.4	-0.1	1.0	-0.8
Windsor Private Neighborhood	-3.8	-3.0	0.1	-2.2	0.4	0.0	1.1	1.2	3.8	2.0	-0.9	-0.3		3.6	1.0	4.9	3.2	8.0	2.5	3.6	1.8
Simpson Church	-3.0	-2.2	0.9	-1.4	1.3	0.8	1.9	2.0	4.6	3.1	-0.1	0.9	4.0		-0.9	3.9	0.8	7.7	2.2	3.3	1.5
Full Gospel Tabernacle	-3.8	-3.0	0.1	-2.2	-1.6	0.0	1.1	1.1	0.6	0.0	0.0	0.1	0.9	-0.5		3.1	0.6	6.9	4.9	6.0	4.2
Cooksey Lane Residences	-1.7	-0.9	2.2	-0.1	1.5	2.1	3.1	3.3	5.8	3.3	1.1	1.5	2.0	1.8	1.2		6.9	6.7	0.5	2.4	1.4
Paragon	-0.4	0.4	3.5	1.2	2.7	3.4	4.4	4.6	4.9	4.4	0.0	3.5	3.0	2.0	0.7	7.5		1.2	0.9	1.0	0.0
Turkey Track Neighborhood	-1.3	-0.5	2.5	0.3	3.0	2.5	3.5	3.7	6.2	5.6	1.5	3.7	6.5	6.5	8.9	6.5	1.2		-0.1	-0.3	-0.1
Liberty Church	-6.5	-5.7	-2.7	-4.9	-2.2	-2.7	-1.7	-1.5	1.0	0.4	-3.7	-1.5	1.3	1.3	4.4	-0.1	0.9	0.7		0.4	-0.6
Legendary Hills Neighborhood	-5.1	-4.4	-1.3	-3.5	-0.8	-1.3	-0.3	-0.2	2.4	1.8	-2.3	-0.1	2.7	2.7	5.8	2.4	1.6	1.2	0.4		2.2
SR 37 / 39 Interchange	-6.7	-5.9	-2.9	-5.1	-2.4	-2.9	-1.9	-1.7	0.8	0.2	-3.9	-1.7	1.1	1.1	4.2	1.6	0.0	1.2	-0.4	2.7	

Travel Time compared to 2035 No Build

Between -10 and -1 minutes

Between -1 and 1 minutes

Between 1 and 10 minutes

