

APPENDIX D

CONFLICTING MOVEMENT CALCULATIONS



DRAFT NOVEMBER 2024
PRELIMINARY FEASIBILITY STUDY
U.S. 23 CORRIDOR STUDY, PID 112768

Segment 1N Conflicting Movements

No-Build	D	C	B	A
68	48	20	18	12

Number of conflict movements for US 23 through vehicles
(not accounting for # of lanes on any roadway)

Street Names	SOUTHBOUND								NORTHBOUND								Street Totals	
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge		
Gold Meadow																1	1	2
Olentangy Meadows					1			1		1				1		1	1	6
Old Lazelle					1			1		1				1		1	1	6
Orchard Knoll/Lazelle	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
Dillmont																1	1	2
Highbluffs/Windsong	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
Northwoods N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
Northwoods S	1			1											1	1	4	

Street Names	SOUTHBOUND								NORTHBOUND								Street Totals	
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge		
Gold Meadow	1																	4
Olentangy Meadows																1	1	0
Old Lazelle																		0
Orchard Knoll/Lazelle	1				1											1	1	4
Dillmont																		0
Highbluffs/Windsong																		0
Northwoods N																		0
Northwoods S	1				1											1	1	4

Street Names	SOUTHBOUND								NORTHBOUND								Street Totals	
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge		
Gold Meadow	1																	2
Olentangy Meadows																1	1	2
Old Lazelle																1	1	2
Orchard Knoll/Lazelle	1				1													2
Dillmont																1	1	2
Highbluffs/Windsong	1				1											1	1	4
Northwoods N	1				1											1	1	4
Northwoods S																		0

Street Names	SOUTHBOUND								NORTHBOUND								Street Totals	
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge		
Gold Meadow																	1	4
Olentangy Meadows																1	1	2
Old Lazelle																1	1	2
Orchard Knoll/Lazelle	1				1													2
Dillmont																1	1	2
Highbluffs/Windsong	1				1											1	1	4
Northwoods N	1				1											1	1	4
Northwoods S																		0

Street Names	SOUTHBOUND								NORTHBOUND								Street Totals	
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge		
Gold Meadow								1								1	1	4
Olentangy Meadows								1	1	1						1	1	4
Old Lazelle								1		1						1	1	4
Orchard Knoll/Lazelle	1				1			1	1	1						1	1	8
Dillmont								1	1	1						1	1	4
Highbluffs/Windsong	1				1											1	1	4
Northwoods N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
Northwoods S	1				1											1	1	4

Segment 2 Conflicting Movements

No-Build	D	C	B	A
106	50	30	16	8

Number of conflict movements for US 23 through vehicles
(not accounting for # of lanes on any roadway)

Street Names	SOUTHBOUND								NORTHBOUND								Street Totals
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge	
Parkway Dr	1	1		1			1	1			1						6
Orange	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
Hidden Ravines	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
Evergreen Dr	1			1													2
Windbrush	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
Meadow Park	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
Neverland Dr	1			1													2
SR 750	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
Green Meadows	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16

Street Names	SOUTHBOUND								NORTHBOUND								Street Totals
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge	
Parkway Dr																	0
Orange	1			1											1	1	4
Hidden Ravines																	0
Evergreen Dr																	0
Windbrush																	0
Meadow Park																	0
Neverland Dr																	0
SR 750	1			1											1	1	4
Green Meadows																	0

Street Names	SOUTHBOUND								NORTHBOUND								Street Totals
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge	
Parkway Dr																	0
Orange	1			1													4
Hidden Ravines	1			1											1	1	4
Evergreen Dr																	0
Windbrush	1			1											1	1	4
Meadow Park																	0
Neverland Dr																	0
SR 750	1														1		2
Green Meadows				1												1	2

Street Names	SOUTHBOUND								NORTHBOUND								Street Totals
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge	
Parkway Dr	1			1													2
Orange	1			1													4
Hidden Ravines	1			1											1	1	4
Evergreen Dr	1			1											1	1	4
Windbrush	1	1		1				1		1	1						6
Meadow Park					1			1		1			1		1	1	6
Neverland Dr																	0
SR 750																	0
Green Meadows					1			1		1			1		1	1	6

Street Names	SOUTHBOUND								NORTHBOUND								Street Totals
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge	
Parkway Dr																	0
Orange	1			1			2	2	2	2					1	1	12
Hidden Ravines	1			1											1	1	4
Evergreen Dr	1			1											1	1	4
Windbrush	1			1			2	2	2	2					1	1	12
Meadow Park	1			1											1	1	4
Neverland Dr	1			1													2
SR 750	1		1	1		1					1			1	1	1	8
Green Meadows	1			1											1	1	4

Segment 3 Conflicting Movements

No-Build	D	C	B	A
90	44	48	22	18

Number of conflict movements for US 23 through vehicles
(not accounting for # of lanes on any roadway)

Street Names	SOUTHBOUND								NORTHBOUND								Street Totals	
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge		
Orangewick																		2
Olentangy Crossings	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
Kroger	1			1												1	1	4
Lewis Center	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
Home	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
Corduroy	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
Halfway	1	1														1	1	4
Orangepoint	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16

Street Names	SOUTHBOUND								NORTHBOUND								Street Totals	
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge		
Orangewick																		0
Olentangy Crossings	1			1												1	1	4
Kroger	1			1												1	1	4
Lewis Center																		0
Home	1			1											1	1	1	4
Corduroy															1	1	1	2
Halfway																		0
Orangepoint	1			1											1	1	1	4

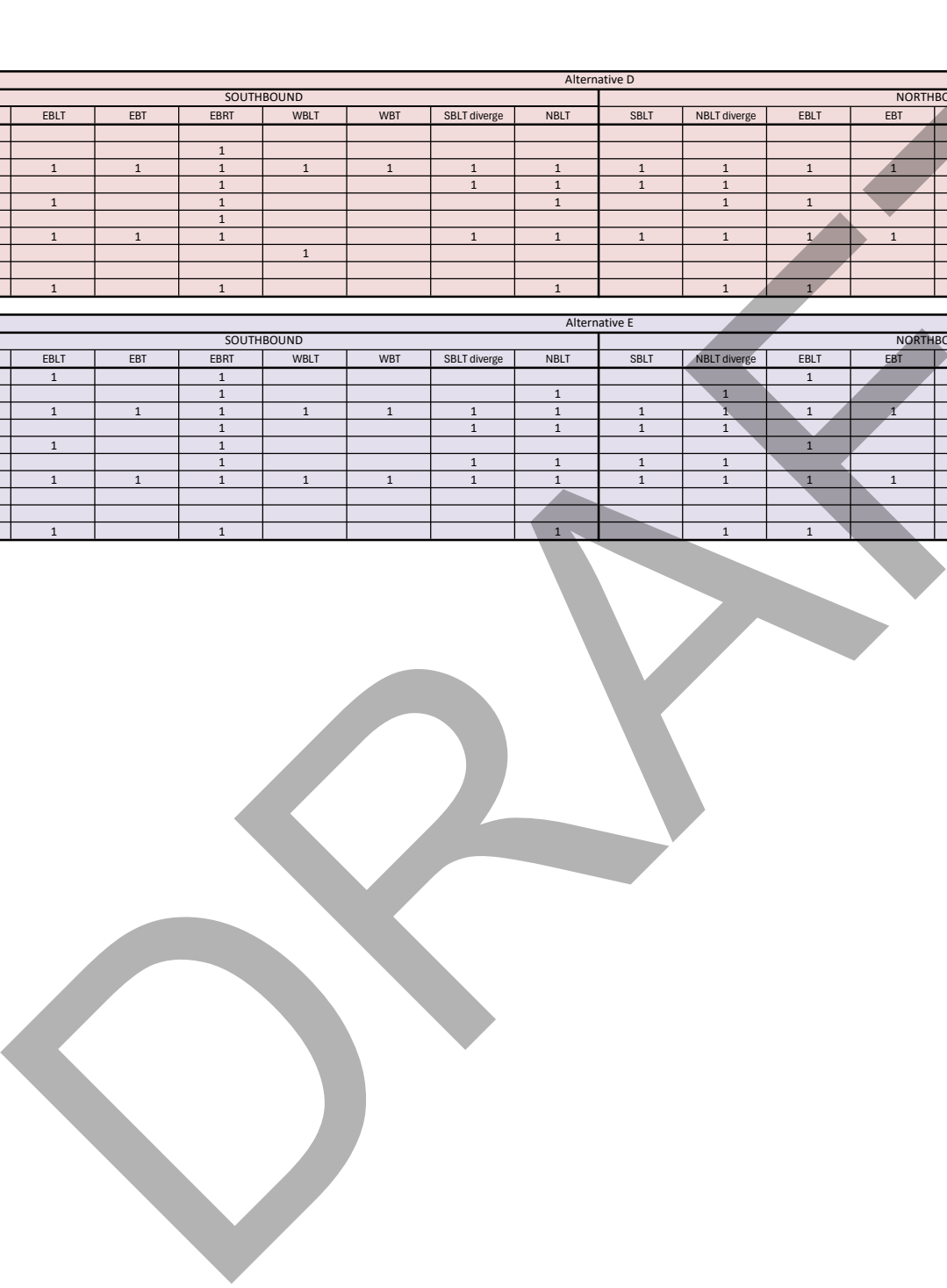
Street Names	SOUTHBOUND								NORTHBOUND								Street Totals	
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge		
Orangewick																1	1	2
Olentangy Crossings																		0
Kroger	1			1												1	1	4
Lewis Center	1			1												1	1	4
Home	1			1												1	1	4
Corduroy	1			1												1	1	4
Halfway																		0
Orangepoint	1			1												1	1	4

Street Names	SOUTHBOUND								NORTHBOUND								Street Totals	
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge		
Orangewick																1	1	4
Olentangy Crossings	1			1			1	2	1	2						1	1	10
Kroger	1			1			1	2	1	2						1	1	6
Lewis Center	1			1												1	1	4
Home	1			1												1	1	4
Corduroy	1			1												1	1	4
Halfway	1			1												1	1	4
Orangepoint	1			1			2	2	2	2						1	1	12

Street Names	SOUTHBOUND								NORTHBOUND								Street Totals	
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge		
Orangewick																1	1	2
Olentangy Crossings	1	1		1				1		1	1							6
Kroger	1			1												1	1	4
Lewis Center					1		1	2	1	2			1			1	1	6
Home	1			1												1	1	12
Corduroy	1			1												1	1	4
Halfway	1			1												1	1	4
Orangepoint	1	1		1				1		1	1							6

Alternative D																	
Street Names	SOUTHBOUND								NORTHBOUND								Street Totals
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge	
US 42 N				1													0
US 42 S	1			1											1	1	4
Cottswold	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
Hull	1			1			1	1	1	1					1	1	8
Del Plaza N	1	1		1				1	1	1							6
Del Plaza S	1			1											1	1	4
Hawthorn	1	1	1	1			1	1	1	1	1	1			1	1	12
Meeker					1								1				4
Stratford															1	1	2
SR 315	1	1		1				1		1	1						6

Alternative E																	
Street Names	SOUTHBOUND								NORTHBOUND								Street Totals
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge	
US 42 N	1	1		1							1						4
US 42 S	1			1					1								4
Cottswold	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
Hull	1			1			1	1	1	1					1	1	8
Del Plaza N	1	1		1						1							4
Del Plaza S	1			1			1	1	1	1					1	1	8
Hawthorn	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
Meeker															1	1	2
Stratford															1	1	2
SR 315	1	1		1				1		1	1						6



Segment 6 Conflicting Movements

No-Build	D	C	B	A
55	48	32	14	16

Number of conflict movements for US 23 through vehicles
(not accounting for # of lanes on any roadway)

Street Names	SOUTHBOUND								NORTHBOUND							Street Totals	
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT		NBRT diverge
Coover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
Hills-Miller	1	1		1				1		1	1						6
Retail Plaza	1	1		1				1		1	1						6
Merrick	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
Pincrest	1	1		1				1		1	1						6
Pennsylvania															1		1
N Sandusky	1			1				1		1							4

Street Names	SOUTHBOUND								NORTHBOUND							Street Totals	
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT		NBRT diverge
Coover	1			1											1	1	4
Hills-Miller	1			1											1	1	4
Retail Plaza																	0
Merrick	1			1											1	1	4
Pincrest																	0
Pennsylvania	1			1											1	1	4
N Sandusky																	0

Street Names	SOUTHBOUND								NORTHBOUND							Street Totals	
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT		NBRT diverge
Coover	1			1											1	1	4
Hills-Miller	1			1											1	1	4
Retail Plaza																	0
Merrick	1			1													2
Pincrest																	0
Pennsylvania	1			1											1	1	4
N Sandusky																	0

Street Names	SOUTHBOUND								NORTHBOUND							Street Totals	
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT		NBRT diverge
Coover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
Hills-Miller	1			1											1	1	4
Retail Plaza	1			1													2
Merrick	1			1											1	1	4
Pincrest	1			1													2
Pennsylvania	1			1													2
N Sandusky															1	1	2

Street Names	SOUTHBOUND								NORTHBOUND							Street Totals	
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT		NBRT diverge
Coover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
Hills-Miller	1			1			2	2	2	2					1	1	12
Retail Plaza	1			1													2
Merrick	1			1			2	2	2	2					1	1	12
Pincrest	1			1													2
Pennsylvania	1			1													2
N Sandusky															1	1	2

Segment 7 Conflicting Movements

No-Build	D	C	B	A
63	56	48	42	34

Number of conflict movements for US 23 through vehicles
(not accounting for # of lanes on any roadway)

Street Names	SOUTHBOUND								NORTHBOUND								Street Totals
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge	
SR 229 Merge	1																1
SR 229/Norton	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16
Frontage Merges	1														1		2
Radnor	1	1		1				1			1						6
Irwin																	0
Frontage Merges				1												1	2
Troutman	1	1		1				1		1	1						6
State Park					1			1					1		1	1	6
Willey	1	1		1				1		1	1						6
Downing	1	1		1				1		1	1						6
Penry	1	1		1				1		1	1						6
Main					1			1		1			1		1	1	6

Street Names	SOUTHBOUND								NORTHBOUND								Street Totals
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge	
SR 229 Merge																	0
SR 229/Norton	1			1											1	1	4
Frontage Merges																	0
Radnor																	0
Irwin																	0
Frontage Merges																	0
Troutman	1			1				1		1							4
State Park								1		1					1	1	4
Willey	1			1				1		1							4
Downing	1			1				1		1	1						6
Penry	1			1				1		1	1						6
Main								1		1					1	1	6

Street Names	SOUTHBOUND								NORTHBOUND								Street Totals
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge	
SR 229 Merge																	0
SR 229/Norton	1			1											1	1	4
Frontage Merges																	0
Radnor																	0
Irwin																	0
Frontage Merges	1			1												1	4
Troutman	1			1				1		1							4
State Park	1			1				2		2							6
Willey	1			1				1		1							4
Downing	1			1				1		1	1						6
Penry	1			1				1		1	1						6
Main	1			1				1		1	1				1	1	8

Alternative C																	
Street Names	SOUTHBOUND								NORTHBOUND								Street Totals
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge	
SR 229 Merge																	0
SR 229/Norton	1			1											1	1	4
Frontage Merges																	0
Radnor	1			1				1	1								4
Irwin							1			1					1	1	4
Frontage Merges																	0
Troutman	1			1													6
State Park							2		2						1	1	6
Wiley	1			1			1	1	1	1							6
Downing	1			1			1	1	1	1							6
Penry	1			1			1	1	1	1							6
Main							1	1	1	1					1	1	6

Alternative D																	
Street Names	SOUTHBOUND								NORTHBOUND								Street Totals
	SBRT diverge	EBLT	EBT	EBRT	WBLT	WBT	SBLT diverge	NBLT	SBLT	NBLT diverge	EBLT	EBT	WBLT	WBT	WBRT	NBRT diverge	
SR 229 Merge																	0
SR 229/Norton	1			1			1	1	1	1					1	1	8
Frontage Merges	1															1	2
Radnor	1	1		1				1	1	1	1						6
Irwin							1		1								2
Frontage Merges	1															1	2
Troutman	1			1													6
State Park							2		2						1	1	6
Wiley	1			1			1	1	1	1							6
Downing	1			1			1	1	1	1							6
Penry	1			1			1	1	1	1							6
Main							1	1	1	1					1	1	6

