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ALABAMA DEPARTMENT OF TRANSPORTATION

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John R. Cooper
Transportation Director

MEMORANDUM

DATE: 1/02/2024

TO: Files

FROM: Maqueshia Brown, P.E. 
Pre-Construction Engineer, Birmingham Area

RE: JEFFERSON COUNTY
Project No. IM - I459 (322)
SIGN REPLACEMENT ON I-459 FROM EXIT 0 TO EXIT 33

The above referenced project meets the requirements of a “significant project” and requires more than three days of construction time within GFO 3-61, Work Zone Safety & Mobility for the Transportation Management Area of Jefferson County. The project consists of sign replacement on I-459 from exit 0 to exit 33.

This memorandum serves to summarize the strategies taken by ALDOT to meet the three components of the Traffic Management Plan as outlined in GFO 3-61. The three components are (1) a Traffic Control Plan, (2) a Traffic Operations plan, and (3) a Public Information strategy.

The approved Traffic Control Plan for this project is attached to this document.

To complete the Traffic Operations component, the Department looked at strategies to mitigate impacts to the traffic through the work zone. In developing the plans for the project, the Department realized that traffic control during construction was going to be critical to constructing the project and to minimizing the effects to the traveling public. During the review process, discussions were held concerning project sequencing in an effort to maximize construction time while keeping traffic impacts at a minimum. A traffic analysis was then completed for each direction of travel to determine delay times and queue lengths to verify the lane closure times.

Within the project limits, it's a six-lane facility and anticipate the need of single or double closures in either direction. The time restriction for these closures are based on the traffic analysis and are reflected in the Traffic Control Plan Notes, allowing the contactor as much working time as possible without having a

Project No. IM-I459(322)

JEFFERSON COUNTY

GFO 3-61

1/2/24

significant impact on the traveling public. The contractor is allowed lane closures during the following times:

I-459 SINGLE LANE: 7PM to 6AM, Monday-Sunday

I-459 DOUBLE LANE: 8PM to 5AM, Sunday-Friday, 7PM to 9AM Saturday

Third, the Department must develop a Public Information Strategy (PIS). In developing the PIS, the Department considered previous projects with similar scopes to determine what types of things that the Department could do to provide public information during the project's duration. The decision was made that the Department would implement the following items:

- Traffic Control devices (signs, changeable message signs, etc.) shall be used to alert travelers on all affected roadways of lane shifts, lane closures, etc.
- The Department or its designee will be available for press briefings or interviews as requested from the press corps.

This concludes the summary of the response to GFO 3-61 for project IM-I459 (322).

DL/MB/CDM

Attachments:

c:\ Mr. DeJarvis Leonard, P.E. w/attachments
Mr. Gary Smith

, P.E. w/attachments

Mr. Joe Lister, P.E. w/ attachments

Mr. Matt Leverette, P.E., w/ attachments

Mr. Steve Walker, P.E., w/ attachments

Ms. Linda Crockett, w/o attachments

Wendell Miles, w/attachments

File w/attachments

I-459
NORTH BOUND
SINGLE LANE
CLOSURE

**STPAA-#### (###)
Monday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	81	0	53	113	328
# of Hrs. Lanes Closed:	1	0	1	11	13
Ave. Cost/Hr. Closed (\$):	81	0	53	10	25
Ave. Cost/Hr. for Period (\$):	27	0	13	10	14
Traffic Volume:	8,244	11,235	8,160	3,402	33,467
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	1	-	-	171	3,029	0	0	5	5	0.0
1am-2am	1	-	-	135	3,029	0	0	5	5	0.0
2am-3am	1	-	-	140	3,029	0	0	5	5	0.0
3am-4am	1	-	-	234	3,029	0	0	8	8	0.0
4am-5am	1	-	-	507	3,029	0	0	17	17	0.0
5am-6am	1	-	-	1,240	3,029	0	0	41	41	0.0
6am-7am	1	-	-	2,436	3,029	0	0	81	81	0.0
7am-8am	0	-	-	3,148	7,200	0	0	0	0	0.0
8am-9am	0	-	-	2,660	7,200	0	0	0	0	0.0
9am-10am	0	-	-	1,994	7,200	0	0	0	0	0.0
10am-11am	0	-	-	1,866	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	1,953	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	2,051	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	1,521	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	1,850	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,064	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	2,249	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	2,243	7,200	0	0	0	0	0.0
6pm-7pm	1	-	-	1,603	3,029	0	0	53	53	0.0
7pm-8pm	1	-	-	1,174	3,029	0	0	39	39	0.0
8pm-9pm	1	-	-	950	3,029	0	0	32	32	0.0
9pm-10pm	1	-	-	600	3,029	0	0	20	20	0.0
10pm-11pm	1	-	-	396	3,029	0	0	13	13	0.0
11pm-Mid.	1	-	-	282	3,029	0	0	9	9	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Tuesday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	82	0	55	121	335
# of Hrs. Lanes Closed:	1	0	1	11	13
Ave. Cost/Hr. Closed (\$):	82	0	55	11	26
Ave. Cost/Hr. for Period (\$):	27	0	14	11	14
Traffic Volume:	8,372	11,631	8,705	3,628	34,678
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	1	-	-	144	3,029	0	0	4	4	0.0
1am-2am	1	-	-	141	3,029	0	0	5	5	0.0
2am-3am	1	-	-	125	3,029	0	0	4	4	0.0
3am-4am	1	-	-	247	3,029	0	0	8	8	0.0
4am-5am	1	-	-	531	3,029	0	0	18	18	0.0
5am-6am	1	-	-	1,154	3,029	0	0	38	38	0.0
6am-7am	1	-	-	2,461	3,029	0	0	82	82	0.0
7am-8am	0	-	-	3,387	7,200	0	0	0	0	0.0
8am-9am	0	-	-	2,524	7,200	0	0	0	0	0.0
9am-10am	0	-	-	1,946	7,200	0	0	0	0	0.0
10am-11am	0	-	-	1,693	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	1,940	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	1,941	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	1,997	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,115	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,190	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	2,464	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	2,390	7,200	0	0	0	0	0.0
6pm-7pm	1	-	-	1,660	3,029	0	0	55	55	0.0
7pm-8pm	1	-	-	1,259	3,029	0	0	42	42	0.0
8pm-9pm	1	-	-	930	3,029	0	0	31	31	0.0
9pm-10pm	1	-	-	713	3,029	0	0	24	24	0.0
10pm-11pm	1	-	-	450	3,029	0	0	15	15	0.0
11pm-Mid.	1	-	-	276	3,029	0	0	9	9	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

STPAA-#### (###)
Wenesday Lane Closure

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	80	0	54	134	348
# of Hrs. Lanes Closed:	1	0	1	11	13
Ave. Cost/Hr. Closed (\$):	80	0	54	12	27
Ave. Cost/Hr. for Period (\$):	27	0	13	12	14
Traffic Volume:	8,257	11,980	8,311	4,034	35,016
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	1	-	-	184	3,029	0	0	5	5	0.0
1am-2am	1	-	-	164	3,029	0	0	5	5	0.0
2am-3am	1	-	-	143	3,029	0	0	5	5	0.0
3am-4am	1	-	-	245	3,029	0	0	8	8	0.0
4am-5am	1	-	-	516	3,029	0	0	17	17	0.0
5am-6am	1	-	-	1,183	3,029	0	0	39	39	0.0
6am-7am	1	-	-	2,407	3,029	0	0	80	80	0.0
7am-8am	0	-	-	3,278	7,200	0	0	0	0	0.0
8am-9am	0	-	-	2,572	7,200	0	0	0	0	0.0
9am-10am	0	-	-	2,054	7,200	0	0	0	0	0.0
10am-11am	0	-	-	1,880	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	1,982	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	1,967	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,039	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,058	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,159	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	2,347	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	2,200	7,200	0	0	0	0	0.0
6pm-7pm	1	-	-	1,606	3,029	0	0	54	54	0.0
7pm-8pm	1	-	-	1,333	3,029	0	0	44	44	0.0
8pm-9pm	1	-	-	1,105	3,029	0	0	37	37	0.0
9pm-10pm	1	-	-	755	3,029	0	0	25	25	0.0
10pm-11pm	1	-	-	529	3,029	0	0	18	18	0.0
11pm-Mid.	1	-	-	312	3,029	0	0	10	10	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Thursday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	80	0	57	137	356
# of Hrs. Lanes Closed:	1	0	1	11	13
Ave. Cost/Hr. Closed (\$):	80	0	57	12	27
Ave. Cost/Hr. for Period (\$):	27	0	14	12	15
Traffic Volume:	8,194	12,061	8,926	4,105	35,787
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	1	-	-	183	3,029	0	0	5	5	0.0
1am-2am	1	-	-	170	3,029	0	0	6	6	0.0
2am-3am	1	-	-	130	3,029	0	0	4	4	0.0
3am-4am	1	-	-	262	3,029	0	0	9	9	0.0
4am-5am	1	-	-	547	3,029	0	0	18	18	0.0
5am-6am	1	-	-	1,210	3,029	0	0	40	40	0.0
6am-7am	1	-	-	2,415	3,029	0	0	80	80	0.0
7am-8am	0	-	-	3,211	7,200	0	0	0	0	0.0
8am-9am	0	-	-	2,567	7,200	0	0	0	0	0.0
9am-10am	0	-	-	2,133	7,200	0	0	0	0	0.0
10am-11am	0	-	-	1,833	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	1,910	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	1,998	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,057	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,130	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,317	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	2,464	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	2,435	7,200	0	0	0	0	0.0
6pm-7pm	1	-	-	1,709	3,029	0	0	57	57	0.0
7pm-8pm	1	-	-	1,433	3,029	0	0	48	48	0.0
8pm-9pm	1	-	-	1,061	3,029	0	0	35	35	0.0
9pm-10pm	1	-	-	740	3,029	0	0	25	25	0.0
10pm-11pm	1	-	-	532	3,029	0	0	18	18	0.0
11pm-Mid.	1	-	-	339	3,029	0	0	11	11	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Friday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	76	0	63	160	379
# of Hrs. Lanes Closed:	1	0	1	11	13
Ave. Cost/Hr. Closed (\$):	76	0	63	15	29
Ave. Cost/Hr. for Period (\$):	25	0	16	15	16
Traffic Volume:	7,572	13,284	8,587	4,822	36,660
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	1	-	-	216	3,029	0	0	6	6	0.0
1am-2am	1	-	-	145	3,029	0	0	5	5	0.0
2am-3am	1	-	-	160	3,029	0	0	5	5	0.0
3am-4am	1	-	-	252	3,029	0	0	8	8	0.0
4am-5am	1	-	-	514	3,029	0	0	17	17	0.0
5am-6am	1	-	-	1,107	3,029	0	0	37	37	0.0
6am-7am	1	-	-	2,294	3,029	0	0	76	76	0.0
7am-8am	0	-	-	2,982	7,200	0	0	0	0	0.0
8am-9am	0	-	-	2,296	7,200	0	0	0	0	0.0
9am-10am	0	-	-	2,087	7,200	0	0	0	0	0.0
10am-11am	0	-	-	2,122	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	2,175	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	2,302	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,314	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,284	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,344	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	2,315	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	2,025	7,200	0	0	0	0	0.0
6pm-7pm	1	-	-	1,903	3,029	0	0	63	63	0.0
7pm-8pm	1	-	-	1,597	3,029	0	0	53	53	0.0
8pm-9pm	1	-	-	1,208	3,029	0	0	40	40	0.0
9pm-10pm	1	-	-	913	3,029	0	0	30	30	0.0
10pm-11pm	1	-	-	695	3,029	0	0	23	23	0.0
11pm-Mid.	1	-	-	409	3,029	0	0	14	14	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Saturday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	133	229	62	164	645
# of Hrs. Lanes Closed:	3	3	1	11	18
Ave. Cost/Hr. Closed (\$):	44	76	62	15	36
Ave. Cost/Hr. for Period (\$):	44	38	15	15	27
Traffic Volume:	4,008	13,739	8,644	4,922	33,059
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	1	-	-	275	3,029	0	0	8	8	0.0
1am-2am	1	-	-	209	3,029	0	0	7	7	0.0
2am-3am	1	-	-	153	3,029	0	0	5	5	0.0
3am-4am	1	-	-	235	3,029	0	0	8	8	0.0
4am-5am	1	-	-	287	3,029	0	0	10	10	0.0
5am-6am	1	-	-	586	3,029	0	0	20	20	0.0
6am-7am	1	-	-	954	3,029	0	0	32	32	0.0
7am-8am	1	-	-	1,380	3,029	0	0	46	46	0.0
8am-9am	1	-	-	1,674	3,029	0	0	56	56	0.0
9am-10am	1	-	-	2,173	3,029	0	0	72	72	0.0
10am-11am	1	-	-	2,378	3,029	0	0	79	79	0.0
11am-Noon	1	-	-	2,341	3,029	0	0	78	78	0.0
Noon-1pm	0	-	-	2,309	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,250	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,288	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,365	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	2,298	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	2,124	7,200	0	0	0	0	0.0
6pm-7pm	1	-	-	1,856	3,029	0	0	62	62	0.0
7pm-8pm	1	-	-	1,567	3,029	0	0	52	52	0.0
8pm-9pm	1	-	-	1,206	3,029	0	0	40	40	0.0
9pm-10pm	1	-	-	969	3,029	0	0	32	32	0.0
10pm-11pm	1	-	-	710	3,029	0	0	24	24	0.0
11pm-Mid.	1	-	-	471	3,029	0	0	16	16	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Sunday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	81	186	52	121	479
# of Hrs. Lanes Closed:	3	3	1	11	18
Ave. Cost/Hr. Closed (\$):	27	62	52	11	27
Ave. Cost/Hr. for Period (\$):	27	31	13	11	20
Traffic Volume:	2,424	12,027	7,419	3,648	26,712
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	1	-	-	274	3,029	0	0	8	8	0.0
1am-2am	1	-	-	190	3,029	0	0	6	6	0.0
2am-3am	1	-	-	143	3,029	0	0	5	5	0.0
3am-4am	1	-	-	132	3,029	0	0	4	4	0.0
4am-5am	1	-	-	174	3,029	0	0	6	6	0.0
5am-6am	1	-	-	281	3,029	0	0	9	9	0.0
6am-7am	1	-	-	549	3,029	0	0	18	18	0.0
7am-8am	1	-	-	886	3,029	0	0	30	30	0.0
8am-9am	1	-	-	989	3,029	0	0	33	33	0.0
9am-10am	1	-	-	1,644	3,029	0	0	55	55	0.0
10am-11am	1	-	-	1,792	3,029	0	0	60	60	0.0
11am-Noon	1	-	-	2,160	3,029	0	0	72	72	0.0
Noon-1pm	0	-	-	2,230	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,169	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,032	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,091	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	1,972	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	1,793	7,200	0	0	0	0	0.0
6pm-7pm	1	-	-	1,563	3,029	0	0	52	52	0.0
7pm-8pm	1	-	-	1,216	3,029	0	0	41	41	0.0
8pm-9pm	1	-	-	964	3,029	0	0	32	32	0.0
9pm-10pm	1	-	-	716	3,029	0	0	24	24	0.0
10pm-11pm	1	-	-	488	3,029	0	0	16	16	0.0
11pm-Mid.	1	-	-	264	3,029	0	0	9	9	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

I-459

**NORTH BOUND DOUBLE
LANE CLOSURE**

**STPAA-#### (###)
Monday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	79	0	0	43	630
# of Hrs. Lanes Closed:	0	0	0	9	9
Ave. Cost/Hr. Closed (\$):	0	0	0	5	70
Ave. Cost/Hr. for Period (\$):	26	0	0	4	26
Traffic Volume:	8,244	11,235	8,160	3,402	33,467
Max # of Cars in Queue:	0	0	0	0	65
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.1

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

Total Cost of Delay (\$):	79	0	0	43	630
# of Hrs. Lanes Closed:	0	0	0	9	9
Ave. Cost/Hr. Closed (\$):	0	0	0	5	70
Ave. Cost/Hr. for Period (\$):	26	0	0	4	26
Traffic Volume:	8,244	11,235	8,160	3,402	33,467
Max # of Cars in Queue:	0	0	0	0	65
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.1

User Defined - Volumes

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	2	-	-	171	1,177	0	0	5	5	0.0
1am-2am	2	-	-	135	1,177	0	0	5	5	0.0
2am-3am	2	-	-	140	1,177	0	0	5	5	0.0
3am-4am	2	-	-	234	1,177	0	0	8	8	0.0
4am-5am	2	-	-	507	1,177	0	0	17	17	0.0
5am-6am	2	-	-	1,240	1,177	65	393	77	470	0.1
6am-7am	0	-	-	2,436	7,200	0	65	14	79	0.0
7am-8am	0	-	-	3,148	7,200	0	0	0	0	0.0
8am-9am	0	-	-	2,660	7,200	0	0	0	0	0.0
9am-10am	0	-	-	1,994	7,200	0	0	0	0	0.0
10am-11am	0	-	-	1,866	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	1,953	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	2,051	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	1,521	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	1,850	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,064	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	2,249	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	2,243	7,200	0	0	0	0	0.0
6pm-7pm	0	-	-	1,603	7,200	0	0	0	0	0.0
7pm-8pm	0	-	-	1,174	7,200	0	0	0	0	0.0
8pm-9pm	0	-	-	950	7,200	0	0	0	0	0.0
9pm-10pm	2	-	-	600	1,177	0	0	20	20	0.0
10pm-11pm	2	-	-	396	1,177	0	0	13	13	0.0
11pm-Mid.	2	-	-	282	1,177	0	0	9	9	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Tuesday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	0	0	0	48	125
# of Hrs. Lanes Closed:	0	0	0	9	9
Ave. Cost/Hr. Closed (\$):	0	0	0	5	14
Ave. Cost/Hr. for Period (\$):	0	0	0	4	5
Traffic Volume:	8,372	11,631	8,705	3,628	34,678
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	2	-	-	144	1,177	0	0	4	4	0.0
1am-2am	2	-	-	141	1,177	0	0	5	5	0.0
2am-3am	2	-	-	125	1,177	0	0	4	4	0.0
3am-4am	2	-	-	247	1,177	0	0	8	8	0.0
4am-5am	2	-	-	531	1,177	0	0	18	18	0.0
5am-6am	2	-	-	1,154	1,177	0	0	38	38	0.0
6am-7am	0	-	-	2,461	7,200	0	0	0	0	0.0
7am-8am	0	-	-	3,387	7,200	0	0	0	0	0.0
8am-9am	0	-	-	2,524	7,200	0	0	0	0	0.0
9am-10am	0	-	-	1,946	7,200	0	0	0	0	0.0
10am-11am	0	-	-	1,693	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	1,940	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	1,941	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	1,997	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,115	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,190	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	2,464	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	2,390	7,200	0	0	0	0	0.0
6pm-7pm	0	-	-	1,660	7,200	0	0	0	0	0.0
7pm-8pm	0	-	-	1,259	7,200	0	0	0	0	0.0
8pm-9pm	0	-	-	930	7,200	0	0	0	0	0.0
9pm-10pm	2	-	-	713	1,177	0	0	24	24	0.0
10pm-11pm	2	-	-	450	1,177	0	0	15	15	0.0
11pm-Mid.	2	-	-	276	1,177	0	0	9	9	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Wednesday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	19	0	0	53	188
# of Hrs. Lanes Closed:	0	0	0	9	9
Ave. Cost/Hr. Closed (\$):	0	0	0	6	21
Ave. Cost/Hr. for Period (\$):	6	0	0	5	8
Traffic Volume:	8,257	11,980	8,311	4,034	35,016
Max # of Cars in Queue:	0	0	0	0	5
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

Total Cost of Delay (\$):	19	0	0	53	188
# of Hrs. Lanes Closed:	0	0	0	9	9
Ave. Cost/Hr. Closed (\$):	0	0	0	6	21
Ave. Cost/Hr. for Period (\$):	6	0	0	5	8
Traffic Volume:	8,257	11,980	8,311	4,034	35,016
Max # of Cars in Queue:	0	0	0	0	5
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

User Defined - Volumes

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	2	-	-	184	1,177	0	0	5	5	0.0
1am-2am	2	-	-	164	1,177	0	0	5	5	0.0
2am-3am	2	-	-	143	1,177	0	0	5	5	0.0
3am-4am	2	-	-	245	1,177	0	0	8	8	0.0
4am-5am	2	-	-	516	1,177	0	0	17	17	0.0
5am-6am	2	-	-	1,183	1,177	5	33	42	75	0.0
6am-7am	0	-	-	2,407	7,200	0	5	13	19	0.0
7am-8am	0	-	-	3,278	7,200	0	0	0	0	0.0
8am-9am	0	-	-	2,572	7,200	0	0	0	0	0.0
9am-10am	0	-	-	2,054	7,200	0	0	0	0	0.0
10am-11am	0	-	-	1,880	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	1,982	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	1,967	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,039	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,058	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,159	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	2,347	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	2,200	7,200	0	0	0	0	0.0
6pm-7pm	0	-	-	1,606	7,200	0	0	0	0	0.0
7pm-8pm	0	-	-	1,333	7,200	0	0	0	0	0.0
8pm-9pm	0	-	-	1,105	7,200	0	0	0	0	0.0
9pm-10pm	2	-	-	755	1,177	0	0	25	25	0.0
10pm-11pm	2	-	-	529	1,177	0	0	18	18	0.0
11pm-Mid.	2	-	-	312	1,177	0	0	10	10	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Thursday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	49	0	0	54	417
# of Hrs. Lanes Closed:	0	0	0	9	9
Ave. Cost/Hr. Closed (\$):	0	0	0	6	46
Ave. Cost/Hr. for Period (\$):	16	0	0	5	17
Traffic Volume:	8,194	12,061	8,926	4,105	35,787
Max # of Cars in Queue:	0	0	0	0	35
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

Total Cost of Delay (\$):	49	0	0	54	417
# of Hrs. Lanes Closed:	0	0	0	9	9
Ave. Cost/Hr. Closed (\$):	0	0	0	6	46
Ave. Cost/Hr. for Period (\$):	16	0	0	5	17
Traffic Volume:	8,194	12,061	8,926	4,105	35,787
Max # of Cars in Queue:	0	0	0	0	35
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	2	-	-	183	1,177	0	0	5	5	0.0
1am-2am	2	-	-	170	1,177	0	0	6	6	0.0
2am-3am	2	-	-	130	1,177	0	0	4	4	0.0
3am-4am	2	-	-	262	1,177	0	0	9	9	0.0
4am-5am	2	-	-	547	1,177	0	0	18	18	0.0
5am-6am	2	-	-	1,210	1,177	35	213	60	273	0.0
6am-7am	0	-	-	2,415	7,200	0	35	13	49	0.0
7am-8am	0	-	-	3,211	7,200	0	0	0	0	0.0
8am-9am	0	-	-	2,567	7,200	0	0	0	0	0.0
9am-10am	0	-	-	2,133	7,200	0	0	0	0	0.0
10am-11am	0	-	-	1,833	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	1,910	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	1,998	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,057	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,130	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,317	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	2,464	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	2,435	7,200	0	0	0	0	0.0
6pm-7pm	0	-	-	1,709	7,200	0	0	0	0	0.0
7pm-8pm	0	-	-	1,433	7,200	0	0	0	0	0.0
8pm-9pm	0	-	-	1,061	7,200	0	0	0	0	0.0
9pm-10pm	2	-	-	740	1,177	0	0	25	25	0.0
10pm-11pm	2	-	-	532	1,177	0	0	18	18	0.0
11pm-Mid.	2	-	-	339	1,177	0	0	11	11	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Friday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	0	0	0	67	146
# of Hrs. Lanes Closed:	0	0	0	9	9
Ave. Cost/Hr. Closed (\$):	0	0	0	7	16
Ave. Cost/Hr. for Period (\$):	0	0	0	6	6
Traffic Volume:	7,572	13,284	8,587	4,822	36,660
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

User Defined - Volumes

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	2	-	-	216	1,177	0	0	6	6	0.0
1am-2am	2	-	-	145	1,177	0	0	5	5	0.0
2am-3am	2	-	-	160	1,177	0	0	5	5	0.0
3am-4am	2	-	-	252	1,177	0	0	8	8	0.0
4am-5am	2	-	-	514	1,177	0	0	17	17	0.0
5am-6am	2	-	-	1,107	1,177	0	0	37	37	0.0
6am-7am	0	-	-	2,294	7,200	0	0	0	0	0.0
7am-8am	0	-	-	2,982	7,200	0	0	0	0	0.0
8am-9am	0	-	-	2,296	7,200	0	0	0	0	0.0
9am-10am	0	-	-	2,087	7,200	0	0	0	0	0.0
10am-11am	0	-	-	2,122	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	2,175	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	2,302	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,314	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,284	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,344	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	2,315	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	2,025	7,200	0	0	0	0	0.0
6pm-7pm	0	-	-	1,903	7,200	0	0	0	0	0.0
7pm-8pm	0	-	-	1,597	7,200	0	0	0	0	0.0
8pm-9pm	0	-	-	1,208	7,200	0	0	0	0	0.0
9pm-10pm	2	-	-	913	1,177	0	0	30	30	0.0
10pm-11pm	2	-	-	695	1,177	0	0	23	23	0.0
11pm-Mid.	2	-	-	409	1,177	0	0	14	14	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Saturday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	7,350	713	0	334	8,453
# of Hrs. Lanes Closed:	3	0	0	10	13
Ave. Cost/Hr. Closed (\$):	2,450	0	0	33	650
Ave. Cost/Hr. for Period (\$):	2,450	119	0	30	352
Traffic Volume:	4,008	13,739	8,644	4,922	33,059
Max # of Cars in Queue:	701	0	0	29	701
Max Queue Length (mi.):	0.9	0.0	0.0	0.0	0.9

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	2	-	-	275	1,177	0	0	8	8	0.0
1am-2am	2	-	-	209	1,177	0	0	7	7	0.0
2am-3am	2	-	-	153	1,177	0	0	5	5	0.0
3am-4am	2	-	-	235	1,177	0	0	8	8	0.0
4am-5am	2	-	-	287	1,177	0	0	10	10	0.0
5am-6am	2	-	-	586	1,177	0	0	20	20	0.0
6am-7am	2	-	-	954	1,177	0	0	32	32	0.0
7am-8am	2	-	-	1,380	1,177	204	1,221	156	1,377	0.3
8am-9am	2	-	-	1,674	1,177	701	5,427	514	5,941	0.9
9am-10am	0	-	-	2,173	7,200	0	701	12	713	0.0
10am-11am	0	-	-	2,378	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	2,341	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	2,309	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,250	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,288	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,365	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	2,298	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	2,124	7,200	0	0	0	0	0.0
6pm-7pm	0	-	-	1,856	7,200	0	0	0	0	0.0
7pm-8pm	0	-	-	1,567	7,200	0	0	0	0	0.0
8pm-9pm	2	-	-	1,206	1,177	29	177	56	233	0.0
9pm-10pm	2	-	-	969	1,177	0	29	32	62	0.0
10pm-11pm	2	-	-	710	1,177	0	0	24	24	0.0
11pm-Mid.	2	-	-	471	1,177	0	0	16	16	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Sunday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	81	0	0	81	200
# of Hrs. Lanes Closed:	3	0	0	10	13
Ave. Cost/Hr. Closed (\$):	27	0	0	8	15
Ave. Cost/Hr. for Period (\$):	27	0	0	7	8
Traffic Volume:	2,424	12,027	7,419	3,648	26,712
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	2	-	-	274	1,177	0	0	8	8	0.0
1am-2am	2	-	-	190	1,177	0	0	6	6	0.0
2am-3am	2	-	-	143	1,177	0	0	5	5	0.0
3am-4am	2	-	-	132	1,177	0	0	4	4	0.0
4am-5am	2	-	-	174	1,177	0	0	6	6	0.0
5am-6am	2	-	-	281	1,177	0	0	9	9	0.0
6am-7am	2	-	-	549	1,177	0	0	18	18	0.0
7am-8am	2	-	-	886	1,177	0	0	30	30	0.0
8am-9am	2	-	-	989	1,177	0	0	33	33	0.0
9am-10am	0	-	-	1,644	7,200	0	0	0	0	0.0
10am-11am	0	-	-	1,792	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	2,160	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	2,230	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,169	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,032	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,091	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	1,972	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	1,793	7,200	0	0	0	0	0.0
6pm-7pm	0	-	-	1,563	7,200	0	0	0	0	0.0
7pm-8pm	0	-	-	1,216	7,200	0	0	0	0	0.0
8pm-9pm	2	-	-	964	1,177	0	0	32	32	0.0
9pm-10pm	2	-	-	716	1,177	0	0	24	24	0.0
10pm-11pm	2	-	-	488	1,177	0	0	16	16	0.0
11pm-Mid.	2	-	-	264	1,177	0	0	9	9	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

I-459
SOUTH BOUND
SINGLE LANE
CLOSURE

**STPAA-#### (###)
Monday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	0	0	68	140	249
# of Hrs. Lanes Closed:	0	0	1	11	12
Ave. Cost/Hr. Closed (\$):	0	0	68	13	21
Ave. Cost/Hr. for Period (\$):	0	0	17	13	10
Traffic Volume:	5,027	10,962	11,607	4,214	33,056
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	1	-	-	219	3,029	0	0	6	6	0.0
1am-2am	1	-	-	128	3,029	0	0	4	4	0.0
2am-3am	1	-	-	101	3,029	0	0	3	3	0.0
3am-4am	1	-	-	135	3,029	0	0	5	5	0.0
4am-5am	1	-	-	215	3,029	0	0	7	7	0.0
5am-6am	1	-	-	448	3,029	0	0	15	15	0.0
6am-7am	0	-	-	1,149	7,200	0	0	0	0	0.0
7am-8am	0	-	-	2,046	7,200	0	0	0	0	0.0
8am-9am	0	-	-	1,832	7,200	0	0	0	0	0.0
9am-10am	0	-	-	1,646	7,200	0	0	0	0	0.0
10am-11am	0	-	-	1,787	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	1,817	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	2,043	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	1,394	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,276	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	3,054	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	3,371	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	3,122	7,200	0	0	0	0	0.0
6pm-7pm	1	-	-	2,060	3,029	0	0	68	68	0.0
7pm-8pm	1	-	-	1,441	3,029	0	0	48	48	0.0
8pm-9pm	1	-	-	1,020	3,029	0	0	34	34	0.0
9pm-10pm	1	-	-	810	3,029	0	0	27	27	0.0
10pm-11pm	1	-	-	593	3,029	0	0	20	20	0.0
11pm-Mid.	1	-	-	350	3,029	0	0	12	12	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA #### (###)
Tuesday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	37	0	74	152	309
# of Hrs. Lanes Closed:	1	0	1	11	13
Ave. Cost/Hr. Closed (\$):	37	0	74	14	24
Ave. Cost/Hr. for Period (\$):	12	0	18	14	13
Traffic Volume:	5,050	11,624	11,878	4,567	34,552
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	1	-	-	223	3,029	0	0	6	6	0.0
1am-2am	1	-	-	191	3,029	0	0	6	6	0.0
2am-3am	1	-	-	181	3,029	0	0	6	6	0.0
3am-4am	1	-	-	128	3,029	0	0	4	4	0.0
4am-5am	1	-	-	218	3,029	0	0	7	7	0.0
5am-6am	1	-	-	493	3,029	0	0	16	16	0.0
6am-7am	1	-	-	1,105	3,029	0	0	37	37	0.0
7am-8am	0	-	-	1,954	7,200	0	0	0	0	0.0
8am-9am	0	-	-	1,990	7,200	0	0	0	0	0.0
9am-10am	0	-	-	1,727	7,200	0	0	0	0	0.0
10am-11am	0	-	-	1,759	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	1,916	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	1,860	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,072	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,290	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,845	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	3,389	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	3,431	7,200	0	0	0	0	0.0
6pm-7pm	1	-	-	2,213	3,029	0	0	74	74	0.0
7pm-8pm	1	-	-	1,539	3,029	0	0	51	51	0.0
8pm-9pm	1	-	-	1,113	3,029	0	0	37	37	0.0
9pm-10pm	1	-	-	880	3,029	0	0	29	29	0.0
10pm-11pm	1	-	-	625	3,029	0	0	21	21	0.0
11pm-Mid.	1	-	-	411	3,029	0	0	14	14	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Wenesday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	39	0	86	160	334
# of Hrs. Lanes Closed:	1	0	1	11	13
Ave. Cost/Hr. Closed (\$):	39	0	86	15	26
Ave. Cost/Hr. for Period (\$):	13	0	22	15	14
Traffic Volume:	5,079	11,953	10,639	4,808	34,010
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	1	-	-	246	3,029	0	0	7	7	0.0
1am-2am	1	-	-	213	3,029	0	0	7	7	0.0
2am-3am	1	-	-	195	3,029	0	0	7	7	0.0
3am-4am	1	-	-	168	3,029	0	0	6	6	0.0
4am-5am	1	-	-	240	3,029	0	0	8	8	0.0
5am-6am	1	-	-	469	3,029	0	0	16	16	0.0
6am-7am	1	-	-	1,161	3,029	0	0	39	39	0.0
7am-8am	0	-	-	1,965	7,200	0	0	0	0	0.0
8am-9am	0	-	-	1,953	7,200	0	0	0	0	0.0
9am-10am	0	-	-	1,793	7,200	0	0	0	0	0.0
10am-11am	0	-	-	1,756	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	1,926	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	1,954	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,109	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,414	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,617	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	2,563	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	2,870	7,200	0	0	0	0	0.0
6pm-7pm	1	-	-	2,590	3,029	0	0	86	86	0.0
7pm-8pm	1	-	-	1,614	3,029	0	0	54	54	0.0
8pm-9pm	1	-	-	1,192	3,029	0	0	40	40	0.0
9pm-10pm	1	-	-	945	3,029	0	0	32	32	0.0
10pm-11pm	1	-	-	645	3,029	0	0	22	22	0.0
11pm-Mid.	1	-	-	411	3,029	0	0	14	14	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Thursday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	37	0	80	165	335
# of Hrs. Lanes Closed:	1	0	1	11	13
Ave. Cost/Hr. Closed (\$):	37	0	80	15	26
Ave. Cost/Hr. for Period (\$):	12	0	20	15	14
Traffic Volume:	5,131	12,378	12,028	4,948	36,122
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

Total Cost of Delay (\$):	37	0	80	165	335
# of Hrs. Lanes Closed:	1	0	1	11	13
Ave. Cost/Hr. Closed (\$):	37	0	80	15	26
Ave. Cost/Hr. for Period (\$):	12	0	20	15	14
Traffic Volume:	5,131	12,378	12,028	4,948	36,122
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

User Defined - Volumes

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	1	-	-	243	3,029	0	0	7	7	0.0
1am-2am	1	-	-	230	3,029	0	0	8	8	0.0
2am-3am	1	-	-	171	3,029	0	0	6	6	0.0
3am-4am	1	-	-	185	3,029	0	0	6	6	0.0
4am-5am	1	-	-	270	3,029	0	0	9	9	0.0
5am-6am	1	-	-	537	3,029	0	0	18	18	0.0
6am-7am	1	-	-	1,113	3,029	0	0	37	37	0.0
7am-8am	0	-	-	2,018	7,200	0	0	0	0	0.0
8am-9am	0	-	-	2,000	7,200	0	0	0	0	0.0
9am-10am	0	-	-	1,722	7,200	0	0	0	0	0.0
10am-11am	0	-	-	1,864	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	1,959	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	2,062	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,261	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,510	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,911	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	3,452	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	3,272	7,200	0	0	0	0	0.0
6pm-7pm	1	-	-	2,393	3,029	0	0	80	80	0.0
7pm-8pm	1	-	-	1,609	3,029	0	0	54	54	0.0
8pm-9pm	1	-	-	1,218	3,029	0	0	41	41	0.0
9pm-10pm	1	-	-	1,020	3,029	0	0	34	34	0.0
10pm-11pm	1	-	-	695	3,029	0	0	23	23	0.0
11pm-Mid.	1	-	-	405	3,029	0	0	14	14	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Friday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	37	0	82	199	371
# of Hrs. Lanes Closed:	1	0	1	11	13
Ave. Cost/Hr. Closed (\$):	37	0	82	18	29
Ave. Cost/Hr. for Period (\$):	12	0	20	18	15
Traffic Volume:	4,989	13,808	12,429	5,996	38,824
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	1	-	-	258	3,029	0	0	7	7	0.0
1am-2am	1	-	-	216	3,029	0	0	7	7	0.0
2am-3am	1	-	-	180	3,029	0	0	6	6	0.0
3am-4am	1	-	-	187	3,029	0	0	6	6	0.0
4am-5am	1	-	-	238	3,029	0	0	8	8	0.0
5am-6am	1	-	-	522	3,029	0	0	17	17	0.0
6am-7am	1	-	-	1,124	3,029	0	0	37	37	0.0
7am-8am	0	-	-	1,942	7,200	0	0	0	0	0.0
8am-9am	0	-	-	1,923	7,200	0	0	0	0	0.0
9am-10am	0	-	-	1,861	7,200	0	0	0	0	0.0
10am-11am	0	-	-	1,903	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	2,139	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	2,478	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,562	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,867	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	3,154	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	3,487	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	3,327	7,200	0	0	0	0	0.0
6pm-7pm	1	-	-	2,461	3,029	0	0	82	82	0.0
7pm-8pm	1	-	-	1,885	3,029	0	0	63	63	0.0
8pm-9pm	1	-	-	1,445	3,029	0	0	48	48	0.0
9pm-10pm	1	-	-	1,101	3,029	0	0	37	37	0.0
10pm-11pm	1	-	-	955	3,029	0	0	32	32	0.0
11pm-Mid.	1	-	-	610	3,029	0	0	20	20	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Saturday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	103	190	69	208	621
# of Hrs. Lanes Closed:	3	3	1	11	18
Ave. Cost/Hr. Closed (\$):	34	63	69	19	34
Ave. Cost/Hr. for Period (\$):	34	32	17	19	26
Traffic Volume:	3,077	12,665	9,182	6,241	32,743
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	1	-	-	407	3,029	0	0	11	11	0.0
1am-2am	1	-	-	323	3,029	0	0	11	11	0.0
2am-3am	1	-	-	221	3,029	0	0	7	7	0.0
3am-4am	1	-	-	155	3,029	0	0	5	5	0.0
4am-5am	1	-	-	178	3,029	0	0	6	6	0.0
5am-6am	1	-	-	294	3,029	0	0	10	10	0.0
6am-7am	1	-	-	609	3,029	0	0	20	20	0.0
7am-8am	1	-	-	1,037	3,029	0	0	35	35	0.0
8am-9am	1	-	-	1,431	3,029	0	0	48	48	0.0
9am-10am	1	-	-	1,694	3,029	0	0	56	56	0.0
10am-11am	1	-	-	1,940	3,029	0	0	64	64	0.0
11am-Noon	1	-	-	2,086	3,029	0	0	69	69	0.0
Noon-1pm	0	-	-	2,297	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,338	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,310	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,436	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	2,398	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	2,258	7,200	0	0	0	0	0.0
6pm-7pm	1	-	-	2,090	3,029	0	0	69	69	0.0
7pm-8pm	1	-	-	1,787	3,029	0	0	60	60	0.0
8pm-9pm	1	-	-	1,418	3,029	0	0	47	47	0.0
9pm-10pm	1	-	-	1,197	3,029	0	0	40	40	0.0
10pm-11pm	1	-	-	983	3,029	0	0	33	33	0.0
11pm-Mid.	1	-	-	857	3,029	0	0	29	29	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Sunday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	62	144	61	148	460
# of Hrs. Lanes Closed:	3	3	1	11	18
Ave. Cost/Hr. Closed (\$):	21	48	61	13	26
Ave. Cost/Hr. for Period (\$):	21	24	15	13	19
Traffic Volume:	1,874	10,932	8,091	4,455	26,763
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	1	-	-	461	3,029	0	0	13	13	0.0
1am-2am	1	-	-	298	3,029	0	0	10	10	0.0
2am-3am	1	-	-	197	3,029	0	0	7	7	0.0
3am-4am	1	-	-	155	3,029	0	0	5	5	0.0
4am-5am	1	-	-	116	3,029	0	0	4	4	0.0
5am-6am	1	-	-	185	3,029	0	0	6	6	0.0
6am-7am	1	-	-	403	3,029	0	0	13	13	0.0
7am-8am	1	-	-	653	3,029	0	0	22	22	0.0
8am-9am	1	-	-	818	3,029	0	0	27	27	0.0
9am-10am	1	-	-	1,206	3,029	0	0	40	40	0.0
10am-11am	1	-	-	1,313	3,029	0	0	44	44	0.0
11am-Noon	1	-	-	1,808	3,029	0	0	60	60	0.0
Noon-1pm	0	-	-	2,097	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,269	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,238	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,063	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	2,079	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	2,108	7,200	0	0	0	0	0.0
6pm-7pm	1	-	-	1,841	3,029	0	0	61	61	0.0
7pm-8pm	1	-	-	1,485	3,029	0	0	49	49	0.0
8pm-9pm	1	-	-	1,104	3,029	0	0	37	37	0.0
9pm-10pm	1	-	-	862	3,029	0	0	29	29	0.0
10pm-11pm	1	-	-	646	3,029	0	0	22	22	0.0
11pm-Mid.	1	-	-	358	3,029	0	0	12	12	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

I-459

**SOUTH BOUND DOUBLE
LANE CLOSURE**

**STPAA-#### (###)
Monday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	0	0	0	58	99
# of Hrs. Lanes Closed:	0	0	0	9	9
Ave. Cost/Hr. Closed (\$):	0	0	0	6	11
Ave. Cost/Hr. for Period (\$):	0	0	0	5	4
Traffic Volume:	5,027	10,962	11,607	4,214	33,056
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

User Defined - Volumes

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	2	-	-	219	1,177	0	0	6	6	0.0
1am-2am	2	-	-	128	1,177	0	0	4	4	0.0
2am-3am	2	-	-	101	1,177	0	0	3	3	0.0
3am-4am	2	-	-	135	1,177	0	0	5	5	0.0
4am-5am	2	-	-	215	1,177	0	0	7	7	0.0
5am-6am	2	-	-	448	1,177	0	0	15	15	0.0
6am-7am	0	-	-	1,149	7,200	0	0	0	0	0.0
7am-8am	0	-	-	2,046	7,200	0	0	0	0	0.0
8am-9am	0	-	-	1,832	7,200	0	0	0	0	0.0
9am-10am	0	-	-	1,646	7,200	0	0	0	0	0.0
10am-11am	0	-	-	1,787	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	1,817	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	2,043	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	1,394	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,276	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	3,054	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	3,371	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	3,122	7,200	0	0	0	0	0.0
6pm-7pm	0	-	-	2,060	7,200	0	0	0	0	0.0
7pm-8pm	0	-	-	1,441	7,200	0	0	0	0	0.0
8pm-9pm	0	-	-	1,020	7,200	0	0	0	0	0.0
9pm-10pm	2	-	-	810	1,177	0	0	27	27	0.0
10pm-11pm	2	-	-	593	1,177	0	0	20	20	0.0
11pm-Mid.	2	-	-	350	1,177	0	0	12	12	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Tuesday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	0	0	0	64	110
# of Hrs. Lanes Closed:	0	0	0	9	9
Ave. Cost/Hr. Closed (\$):	0	0	0	7	12
Ave. Cost/Hr. for Period (\$):	0	0	0	6	5
Traffic Volume:	5,050	11,624	11,878	4,567	34,552
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	2	-	-	223	1,177	0	0	6	6	0.0
1am-2am	2	-	-	191	1,177	0	0	6	6	0.0
2am-3am	2	-	-	181	1,177	0	0	6	6	0.0
3am-4am	2	-	-	128	1,177	0	0	4	4	0.0
4am-5am	2	-	-	218	1,177	0	0	7	7	0.0
5am-6am	2	-	-	493	1,177	0	0	16	16	0.0
6am-7am	0	-	-	1,105	7,200	0	0	0	0	0.0
7am-8am	0	-	-	1,954	7,200	0	0	0	0	0.0
8am-9am	0	-	-	1,990	7,200	0	0	0	0	0.0
9am-10am	0	-	-	1,727	7,200	0	0	0	0	0.0
10am-11am	0	-	-	1,759	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	1,916	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	1,860	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,072	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,290	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,845	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	3,389	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	3,431	7,200	0	0	0	0	0.0
6pm-7pm	0	-	-	2,213	7,200	0	0	0	0	0.0
7pm-8pm	0	-	-	1,539	7,200	0	0	0	0	0.0
8pm-9pm	0	-	-	1,113	7,200	0	0	0	0	0.0
9pm-10pm	2	-	-	880	1,177	0	0	29	29	0.0
10pm-11pm	2	-	-	625	1,177	0	0	21	21	0.0
11pm-Mid.	2	-	-	411	1,177	0	0	14	14	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Wenesday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	0	0	0	67	116
# of Hrs. Lanes Closed:	0	0	0	9	9
Ave. Cost/Hr. Closed (\$):	0	0	0	7	13
Ave. Cost/Hr. for Period (\$):	0	0	0	6	5
Traffic Volume:	5,079	11,953	10,639	4,808	34,010
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	2	-	-	246	1,177	0	0	7	7	0.0
1am-2am	2	-	-	213	1,177	0	0	7	7	0.0
2am-3am	2	-	-	195	1,177	0	0	7	7	0.0
3am-4am	2	-	-	168	1,177	0	0	6	6	0.0
4am-5am	2	-	-	240	1,177	0	0	8	8	0.0
5am-6am	2	-	-	469	1,177	0	0	16	16	0.0
6am-7am	0	-	-	1,161	7,200	0	0	0	0	0.0
7am-8am	0	-	-	1,965	7,200	0	0	0	0	0.0
8am-9am	0	-	-	1,953	7,200	0	0	0	0	0.0
9am-10am	0	-	-	1,793	7,200	0	0	0	0	0.0
10am-11am	0	-	-	1,756	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	1,926	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	1,954	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,109	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,414	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,617	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	2,563	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	2,870	7,200	0	0	0	0	0.0
6pm-7pm	0	-	-	2,590	7,200	0	0	0	0	0.0
7pm-8pm	0	-	-	1,614	7,200	0	0	0	0	0.0
8pm-9pm	0	-	-	1,192	7,200	0	0	0	0	0.0
9pm-10pm	2	-	-	945	1,177	0	0	32	32	0.0
10pm-11pm	2	-	-	645	1,177	0	0	22	22	0.0
11pm-Mid.	2	-	-	411	1,177	0	0	14	14	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Thursday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	0	0	0	0	71
# of Hrs. Lanes Closed:	0	0	0	9	9
Ave. Cost/Hr. Closed (\$):	0	0	0	8	14
Ave. Cost/Hr. for Period (\$):	0	0	0	6	5
Traffic Volume:	5,131	12,378	12,028	4,948	36,122
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	2	-	-	243	1,177	0	0	7	7	0.0
1am-2am	2	-	-	230	1,177	0	0	8	8	0.0
2am-3am	2	-	-	171	1,177	0	0	6	6	0.0
3am-4am	2	-	-	185	1,177	0	0	6	6	0.0
4am-5am	2	-	-	270	1,177	0	0	9	9	0.0
5am-6am	2	-	-	537	1,177	0	0	18	18	0.0
6am-7am	0	-	-	1,113	7,200	0	0	0	0	0.0
7am-8am	0	-	-	2,018	7,200	0	0	0	0	0.0
8am-9am	0	-	-	2,000	7,200	0	0	0	0	0.0
9am-10am	0	-	-	1,722	7,200	0	0	0	0	0.0
10am-11am	0	-	-	1,864	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	1,959	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	2,062	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,261	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,510	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,911	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	3,452	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	3,272	7,200	0	0	0	0	0.0
6pm-7pm	0	-	-	2,393	7,200	0	0	0	0	0.0
7pm-8pm	0	-	-	1,609	7,200	0	0	0	0	0.0
8pm-9pm	0	-	-	1,218	7,200	0	0	0	0	0.0
9pm-10pm	2	-	-	1,020	1,177	0	0	34	34	0.0
10pm-11pm	2	-	-	695	1,177	0	0	23	23	0.0
11pm-Mid.	2	-	-	405	1,177	0	0	14	14	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Friday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	0	0	0	89	141
# of Hrs. Lanes Closed:	0	0	0	9	9
Ave. Cost/Hr. Closed (\$):	0	0	0	10	16
Ave. Cost/Hr. for Period (\$):	0	0	0	8	6
Traffic Volume:	4,989	13,808	12,429	5,996	38,824
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	2	-	-	258	1,177	0	0	7	7	0.0
1am-2am	2	-	-	216	1,177	0	0	7	7	0.0
2am-3am	2	-	-	180	1,177	0	0	6	6	0.0
3am-4am	2	-	-	187	1,177	0	0	6	6	0.0
4am-5am	2	-	-	238	1,177	0	0	8	8	0.0
5am-6am	2	-	-	522	1,177	0	0	17	17	0.0
6am-7am	0	-	-	1,124	7,200	0	0	0	0	0.0
7am-8am	0	-	-	1,942	7,200	0	0	0	0	0.0
8am-9am	0	-	-	1,923	7,200	0	0	0	0	0.0
9am-10am	0	-	-	1,861	7,200	0	0	0	0	0.0
10am-11am	0	-	-	1,903	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	2,139	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	2,478	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,562	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,867	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	3,154	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	3,487	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	3,327	7,200	0	0	0	0	0.0
6pm-7pm	0	-	-	2,461	7,200	0	0	0	0	0.0
7pm-8pm	0	-	-	1,885	7,200	0	0	0	0	0.0
8pm-9pm	0	-	-	1,445	7,200	0	0	0	0	0.0
9pm-10pm	2	-	-	1,101	1,177	0	0	37	37	0.0
10pm-11pm	2	-	-	955	1,177	0	0	32	32	0.0
11pm-Mid.	2	-	-	610	1,177	0	0	20	20	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Saturday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	1,787	267	0	7,078	9,182
# of Hrs. Lanes Closed:	3	0	0	10	13
Ave. Cost/Hr. Closed (\$):	596	0	0	708	706
Ave. Cost/Hr. for Period (\$):	596	44	0	643	383
Traffic Volume:	3,077	12,665	9,182	6,241	32,743
Max # of Cars in Queue:	258	0	0	257	258
Max Queue Length (mi.):	0.3	0.0	0.0	0.3	0.3

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

Total Cost of Delay (\$):	1,787	267	0	7,078	9,182
# of Hrs. Lanes Closed:	3	0	0	10	13
Ave. Cost/Hr. Closed (\$):	596	0	0	708	706
Ave. Cost/Hr. for Period (\$):	596	44	0	643	383
Traffic Volume:	3,077	12,665	9,182	6,241	32,743
Max # of Cars in Queue:	258	0	0	257	258
Max Queue Length (mi.):	0.3	0.0	0.0	0.3	0.3

User Defined - Volumes

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	2	-	-	407	1,177	0	0	11	11	0.0
1am-2am	2	-	-	323	1,177	0	0	11	11	0.0
2am-3am	2	-	-	221	1,177	0	0	7	7	0.0
3am-4am	2	-	-	155	1,177	0	0	5	5	0.0
4am-5am	2	-	-	178	1,177	0	0	6	6	0.0
5am-6am	2	-	-	294	1,177	0	0	10	10	0.0
6am-7am	2	-	-	609	1,177	0	0	20	20	0.0
7am-8am	2	-	-	1,037	1,177	0	0	35	35	0.0
8am-9am	2	-	-	1,431	1,177	258	1,545	187	1,732	0.3
9am-10am	0	-	-	1,694	7,200	0	258	9	267	0.0
10am-11am	0	-	-	1,940	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	2,086	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	2,297	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,338	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,310	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,436	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	2,398	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	2,258	7,200	0	0	0	0	0.0
6pm-7pm	0	-	-	2,090	7,200	0	0	0	0	0.0
7pm-8pm	0	-	-	1,787	7,200	0	0	0	0	0.0
8pm-9pm	2	-	-	1,418	1,177	240	1,437	177	1,614	0.3
9pm-10pm	2	-	-	1,197	1,177	257	2,979	271	3,250	0.3
10pm-11pm	2	-	-	983	1,177	225	1,929	167	2,096	0.3
11pm-Mid.	2	-	-	857	1,177	11	87	30	118	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only

**STPAA-#### (###)
Sunday Lane Closure**

Closure

Analysis Code (use code from table):	uv
Direction (Inbound or Outbound):	Inbound
AADT (both directions)	89,181
Percent Trucks:	9%
Passenger car equivalents per truck:	2
Passenger cars / day:	97,207
Number of lanes (one direction):	3
Free flow speed (mph):	70
Basic lane capacity (pcphpl):	2400
Max. queue length limit (miles):	99
Confidence Level (%) - enter from 20-100	50
Delay (\$/hour) passenger car:	\$10.00
Fuel costs (\$/gal):	\$1.60
Average # people per vehicle:	1.2

- Enter user defined volumes on LR Table Sheet.
- The Direction value is not used for Analysis Code UV.
- The AADT value is not used for Analysis Code UV.
- Enter 0% if there are no trucks, or if the AADT has already been adjusted for trucks.
- Enter the number of passenger cars equivalents per truck. The default is 2.
- Enter a large number (ex.: 99) to avoid limiting the queue length.

Analysis Codes	
IU	Interstate - Urban (ODOT)
IR	Interstate - Rural (ODOT)
AU	Arterial - Urban (ODOT)
AR	Arterial - Rural (ODOT)
UF	User Defined Factors
UV	User Defined Volumes

	Morning Peak 6am-9am	Daytime Non-Peak 9am-3pm	Evening Peak 3pm-7pm	Nighttime Non-Peak 7pm-6am	Daily Summary 24 hr.
Total Cost of Delay (\$):	62	0	0	99	206
# of Hrs. Lanes Closed:	3	0	0	10	13
Ave. Cost/Hr. Closed (\$):	21	0	0	10	16
Ave. Cost/Hr. for Period (\$):	21	0	0	9	9
Traffic Volume:	1,874	10,932	8,091	4,455	26,763
Max # of Cars in Queue:	0	0	0	0	0
Max Queue Length (mi.):	0.0	0.0	0.0	0.0	0.0

User Defined - Volumes

Hour	# of Lanes Closed ⁽¹⁾	User Defined - Volumes			Limiting Capacity	Max Cars in Queue	Delay Cost	Fuel Cost	Total Costs	Max Queue Length (mi.)
		AADT Factor (K)	Direction Factor (D)	Volume ⁽²⁾						
Mid.-1am	2	-	-	461	1,177	0	0	13	13	0.0
1am-2am	2	-	-	298	1,177	0	0	10	10	0.0
2am-3am	2	-	-	197	1,177	0	0	7	7	0.0
3am-4am	2	-	-	155	1,177	0	0	5	5	0.0
4am-5am	2	-	-	116	1,177	0	0	4	4	0.0
5am-6am	2	-	-	185	1,177	0	0	6	6	0.0
6am-7am	2	-	-	403	1,177	0	0	13	13	0.0
7am-8am	2	-	-	653	1,177	0	0	22	22	0.0
8am-9am	2	-	-	818	1,177	0	0	27	27	0.0
9am-10am	0	-	-	1,206	7,200	0	0	0	0	0.0
10am-11am	0	-	-	1,313	7,200	0	0	0	0	0.0
11am-Noon	0	-	-	1,808	7,200	0	0	0	0	0.0
Noon-1pm	0	-	-	2,097	7,200	0	0	0	0	0.0
1pm-2pm	0	-	-	2,269	7,200	0	0	0	0	0.0
2pm-3pm	0	-	-	2,238	7,200	0	0	0	0	0.0
3pm-4pm	0	-	-	2,063	7,200	0	0	0	0	0.0
4pm-5pm	0	-	-	2,079	7,200	0	0	0	0	0.0
5pm-6pm	0	-	-	2,108	7,200	0	0	0	0	0.0
6pm-7pm	0	-	-	1,841	7,200	0	0	0	0	0.0
7pm-8pm	0	-	-	1,485	7,200	0	0	0	0	0.0
8pm-9pm	2	-	-	1,104	1,177	0	0	37	37	0.0
9pm-10pm	2	-	-	862	1,177	0	0	29	29	0.0
10pm-11pm	2	-	-	646	1,177	0	0	22	22	0.0
11pm-Mid.	2	-	-	358	1,177	0	0	12	12	0.0

⁽¹⁾ One direction only.

⁽²⁾ Passenger car volumes (adjusted for % of trucks) for one direction only