

**USH 41: STH 67 TO STH 60 (WASHINGTON AND DODGE COUNTIES)
NIGHTTIME CLOSURE
DIVERSION ROUTE: CTH K - STH 175 - STH 33**

AUGUST
Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT
FRIDAY SOUTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								AVERAGE SPEEDS IN MPH						
	MAIN ROUTE		ALTERNATE ROUTE		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		ALTERNATE ROUTE		
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN	SITE	WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	209	0.0	55	0.0	1500	209	0	55	0.44	0	66.0	59.3	44.6	24.4	24.4
1-2 AM	105	0.0	28	0.0	1500	105	0	28	0.43	0	66.2	59.6	45.1	24.7	24.7
2-3 AM	116	0.0	30	0.0	1500	116	0	30	0.43	0	66.2	59.6	45.0	24.6	24.6
3-4 AM	154	0.0	40	0.0	1500	154	0	40	0.44	0	66.1	59.4	44.8	24.5	24.5
4-5 AM	301	0.0	78	0.0	1500	301	0	78	0.45	0	65.8	59.0	44.3	24.2	24.2
5-6 AM	665	0.0	172	0.0	OFF	665	0	172	0.00	0	65.1	65.1	65.1	23.5	23.5
6-7 AM	987	0.0	255	0.0	OFF	987	0	255	0.00	0	64.5	64.5	64.5	22.9	22.9
7-8 AM	1052	0.0	273	0.0	OFF	1052	0	273	0.00	0	64.4	64.4	64.4	22.7	22.7
8-9 AM	957	0.0	248	0.0	OFF	957	0	248	0.00	0	64.6	64.6	64.6	22.9	22.9
9-10 AM	1008	0.0	261	0.0	OFF	1008	0	261	0.00	0	64.5	64.5	64.5	22.9	22.9
10-11 AM	1063	0.0	276	0.0	OFF	1063	0	276	0.00	0	64.4	64.4	64.4	22.7	22.7
11A-NOON	1143	0.0	296	0.0	OFF	1143	0	296	0.00	0	64.3	64.3	64.3	22.5	22.5
NOON-1PM	1153	0.0	299	0.0	OFF	1153	0	299	0.00	0	64.2	64.2	64.2	22.5	22.5
1-2 PM	1221	0.0	316	0.0	OFF	1221	0	316	0.00	0	64.1	64.1	64.1	22.4	22.4
2-3 PM	1303	0.0	338	0.0	OFF	1303	0	338	0.00	0	64.0	64.0	64.0	22.2	22.2
3-4 PM	1350	0.0	350	0.0	OFF	1350	0	350	0.00	0	63.8	63.8	63.8	22.2	22.2
4-5 PM	1367	0.0	354	0.0	OFF	1367	0	354	0.00	0	63.8	63.8	63.8	22.1	22.1
5-6 PM	1337	0.0	346	0.0	OFF	1337	0	346	0.00	0	63.9	63.9	63.9	22.2	22.2
6-7 PM	995	0.0	258	0.0	OFF	995	0	258	0.00	0	64.5	64.5	64.5	22.9	22.9
7-8 PM	775	0.0	201	0.0	1500	775	0	201	0.50	0	65.0	57.7	42.5	23.3	23.3
8-9 PM	604	0.0	156	0.0	1500	604	0	156	0.48	0	65.3	58.2	43.1	23.7	23.7
9-10 PM	499	0.0	130	0.0	1500	499	0	130	0.47	0	65.5	58.4	43.5	23.8	23.8
10-11 PM	370	0.0	96	0.0	1500	370	0	96	0.46	0	65.7	58.8	44.0	24.1	24.1
11PM-MID	254	0.0	66	0.0	1500	254	0	66	0.45	0	65.9	59.1	44.5	24.3	24.3

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0130
MAIN ROUTE WITH WORKS	0.0128
DIVERSION	0.0457

PIA: Personal Injury Accidents

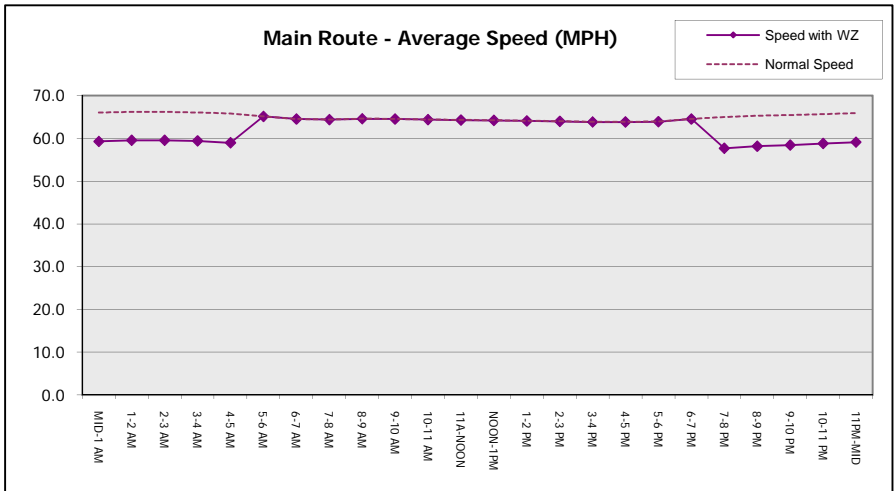
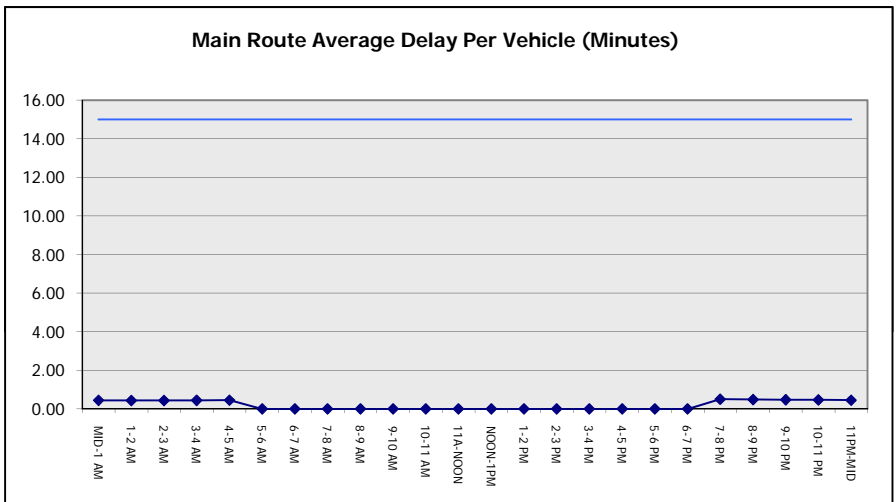
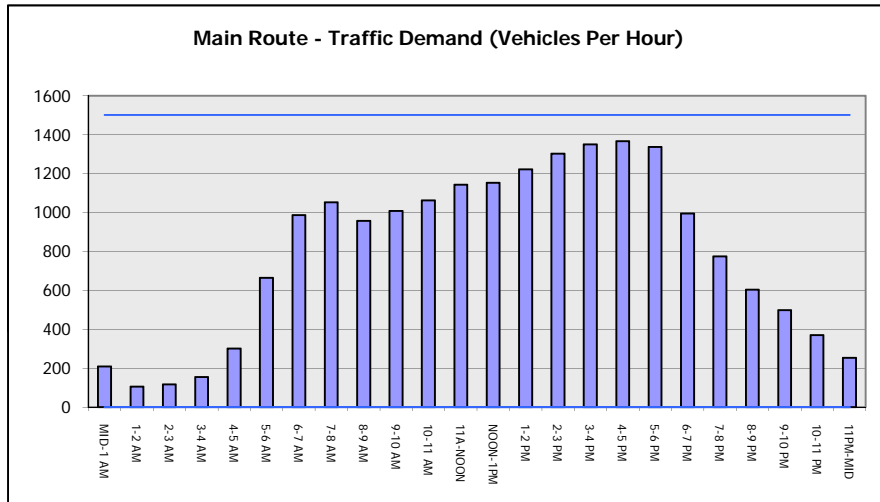
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$340
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

USH 41: STH 67 TO STH 60 (WASHINGTON AND DODGE COUNTIES)
NIGHTTIME CLOSURE
DIVERSION ROUTE: CTH K - STH 175 - STH 33

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



USH 41: STH 67 TO STH 60 (WASHINGTON AND DODGE COUNTIES) NIGHTTIME CLOSURE DIVERSION ROUTE: CTH K - STH 175 - STH 33	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT	
FRIDAY	NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								AVERAGE SPEEDS IN MPH						
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	ALTERNATE ROUTE	
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	210	0.0	55	0.0	1500	210	0	55	0.44	0	66.0	59.3	44.6	24.4	24.4
1-2 AM	161	0.0	42	0.0	1500	161	0	42	0.44	0	66.1	59.4	44.8	24.5	24.5
2-3 AM	130	0.0	34	0.0	1500	130	0	34	0.44	0	66.1	59.5	45.0	24.6	24.6
3-4 AM	136	0.0	35	0.0	1500	136	0	35	0.44	0	66.1	59.5	45.0	24.6	24.6
4-5 AM	203	0.0	53	0.0	1500	203	0	53	0.44	0	66.0	59.3	44.6	24.5	24.5
5-6 AM	397	0.0	103	0.0	OFF	397	0	103	0.00	0	65.6	65.6	65.6	24.0	24.0
6-7 AM	718	0.0	186	0.0	OFF	718	0	186	0.00	0	65.0	65.0	65.0	23.4	23.4
7-8 AM	933	0.0	242	0.0	OFF	933	0	242	0.00	0	64.6	64.6	64.6	23.0	23.0
8-9 AM	1045	0.0	271	0.0	OFF	1045	0	271	0.00	0	64.5	64.5	64.5	22.8	22.8
9-10 AM	1242	0.0	322	0.0	OFF	1242	0	322	0.00	0	64.1	64.1	64.1	22.4	22.4
10-11 AM	1416	0.0	366	0.0	OFF	1416	0	366	0.00	0	63.8	63.8	63.8	22.0	22.0
11A-NOON	1426	0.0	370	0.0	OFF	1426	0	370	0.00	0	63.7	63.7	63.7	22.0	22.0
NOON-1PM	1602	0.0	415	0.0	OFF	1602	0	415	0.00	0	63.4	63.4	63.4	21.7	21.7
1-2 PM	1707	0.0	442	0.0	OFF	1707	0	442	0.00	0	63.2	63.2	63.2	21.4	21.4
2-3 PM	1932	0.0	500	0.0	OFF	1932	0	500	0.00	0	62.8	62.8	62.8	21.0	21.0
3-4 PM	2227	0.0	578	0.0	OFF	2227	0	578	0.00	0	62.2	62.2	62.2	20.4	20.4
4-5 PM	2438	0.0	632	0.0	OFF	2438	0	632	0.00	0	61.5	61.5	61.5	20.0	20.0
5-6 PM	2400	0.0	622	0.0	OFF	2400	0	622	0.00	0	61.9	61.9	61.9	20.1	20.1
6-7 PM	1958	0.0	508	0.0	OFF	1958	0	508	0.00	0	62.7	62.7	62.7	20.9	20.9
7-8 PM	1447	0.0	375	0.0	1499	1447	0	375	1.28	10	63.7	48.4	32.5	22.0	22.0
8-9 PM	1052	0.0	273	0.0	1500	1052	0	273	0.52	0	64.4	56.9	41.5	22.7	22.7
9-10 PM	806	0.0	209	0.0	1500	806	0	209	0.50	0	64.9	57.6	42.4	23.2	23.2
10-11 PM	769	0.0	199	0.0	1500	769	0	199	0.50	0	65.0	57.8	42.5	23.3	23.3
11PM-MID	526	0.0	136	0.0	1500	526	0	136	0.47	0	65.4	58.4	43.4	23.8	23.8

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0184
MAIN ROUTE WITH WORKS	0.0180
DIVERSION	0.0646

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$816
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

USH 41: STH 67 TO STH 60 (WASHINGTON AND DODGE COUNTIES)
NIGHTTIME CLOSURE
DIVERSION ROUTE: CTH K - STH 175 - STH 33

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

