

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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	142	0.0	37	0.0	1500	142	0	37	0.44	0	66.1	59.5	44.9	24.5	24.5
1-2 AM	102	0.0	27	0.0	1500	102	0	27	0.43	0	66.2	59.6	45.1	24.7	24.7
2-3 AM	76	0.0	20	0.0	1500	76	0	20	0.43	0	66.3	59.7	45.2	24.7	24.7
3-4 AM	80	0.0	21	0.0	1500	80	0	21	0.43	0	66.3	59.6	45.1	24.7	24.7
4-5 AM	89	0.0	23	0.0	1500	89	0	23	0.43	0	66.2	59.6	45.1	24.7	24.7
5-6 AM	119	0.0	31	0.0	1500	119	0	31	0.43	0	66.1	59.6	45.0	24.6	24.6
6-7 AM	187	0.0	48	0.0	1500	187	0	48	0.44	0	66.0	59.4	44.7	24.5	24.5
7-8 AM	298	0.0	77	0.0	1500	298	0	77	0.45	0	65.8	59.0	44.3	24.2	24.2
8-9 AM	486	0.0	126	0.0	1500	486	0	126	0.47	0	65.5	58.5	43.5	23.8	23.8
9-10 AM	818	0.0	212	0.0	OFF	818	0	212	0.00	0	64.8	64.8	64.8	23.2	23.2
10-11 AM	1170	0.0	303	0.0	OFF	1170	0	303	0.00	0	64.2	64.2	64.2	22.5	22.5
11A-NOON	1491	0.0	386	0.0	OFF	1491	0	386	0.00	0	63.6	63.6	63.6	21.9	21.9
NOON-1PM	1582	0.0	410	0.0	OFF	1582	0	410	0.00	0	63.5	63.5	63.5	21.7	21.7
1-2 PM	1727	0.0	448	0.0	OFF	1727	0	448	0.00	0	63.2	63.2	63.2	21.4	21.4
2-3 PM	1830	0.0	475	0.0	OFF	1830	0	475	0.00	0	63.0	63.0	63.0	21.2	21.2
3-4 PM	1957	0.0	506	0.0	OFF	1957	0	506	0.00	0	62.7	62.7	62.7	20.9	20.9
4-5 PM	2042	0.0	529	0.0	OFF	2042	0	529	0.00	0	62.6	62.6	62.6	20.8	20.8
5-6 PM	1892	0.0	490	0.0	OFF	1892	0	490	0.00	0	62.8	62.8	62.8	21.1	21.1
6-7 PM	1620	0.0	420	0.0	OFF	1620	0	420	0.00	0	63.3	63.3	63.3	21.6	21.6
7-8 PM	1308	0.0	339	0.0	1500	1308	0	339	0.78	0	64.0	53.6	35.3	22.2	22.2
8-9 PM	828	0.0	214	0.0	1500	828	0	214	0.50	0	64.8	57.6	42.3	23.2	23.2
9-10 PM	501	0.0	130	0.0	1500	501	0	130	0.47	0	65.5	58.4	43.5	23.8	23.8
10-11 PM	292	0.0	75	0.0	1500	292	0	75	0.45	0	65.8	59.1	44.3	24.3	24.3
11PM-MID	176	0.0	45	0.0	1500	176	0	45	0.44	0	66.1	59.4	44.8	24.5	24.5

"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	0.0142
MAIN ROUTE WITH WORKS	0.0139
DIVERSION	0.0500

PIA: Personal Injury Accidents

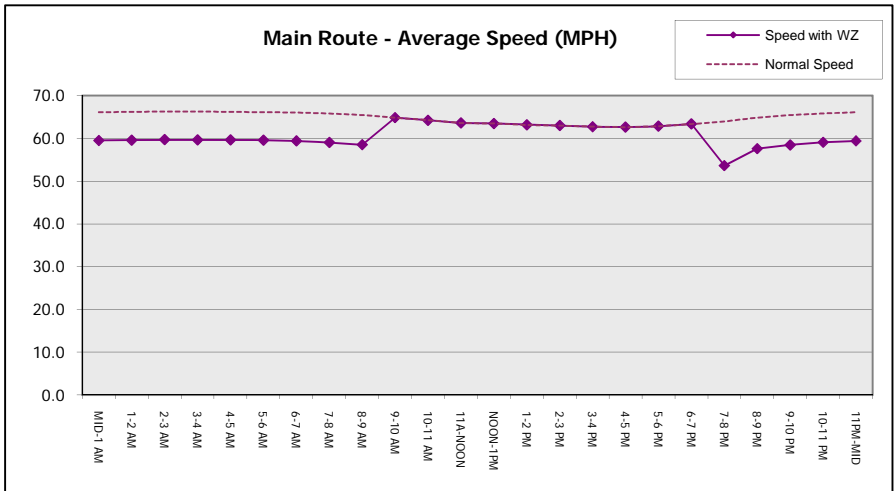
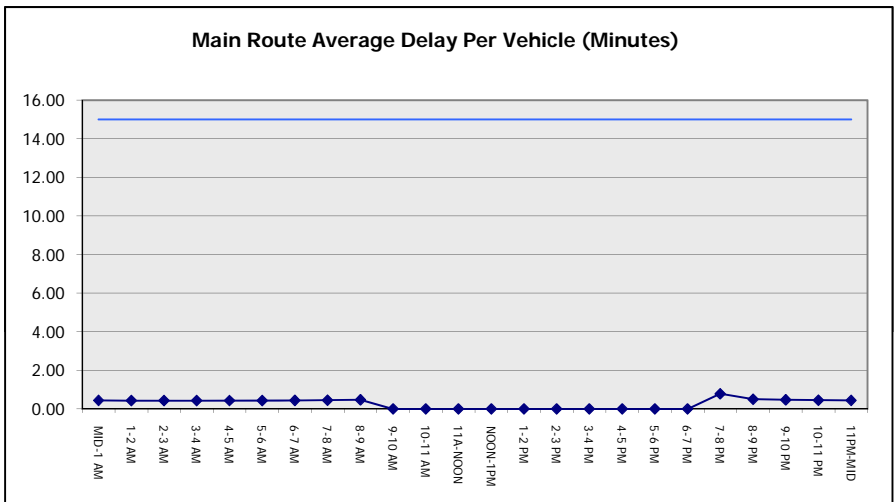
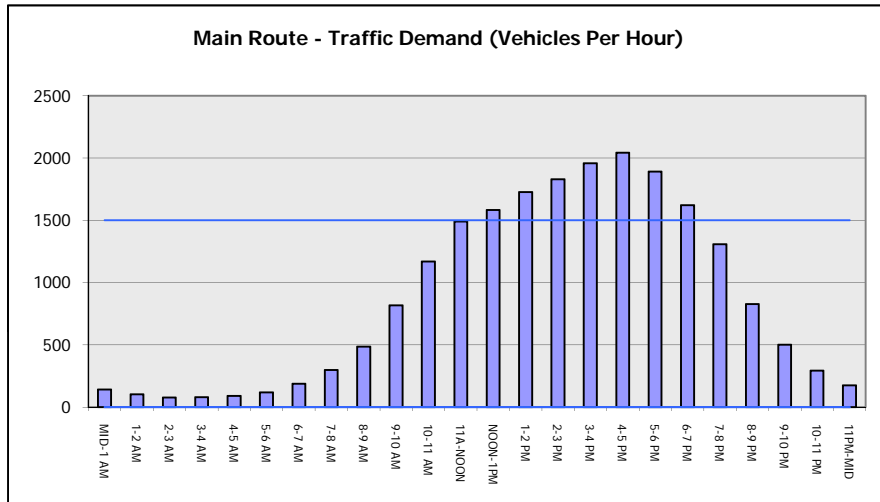
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$620
CONGESTED HOURS PER DAY*	0

\*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**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY SOUTHBOUND DIRECTION**



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

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
SUNDAY	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	168	0.0	43	0.0	1500	168	0	43	0.44	0	66.1	59.4	44.8	24.5	24.5
1-2 AM	101	0.0	26	0.0	1500	101	0	26	0.43	0	66.2	59.6	45.1	24.7	24.7
2-3 AM	76	0.0	20	0.0	1500	76	0	20	0.43	0	66.3	59.7	45.2	24.7	24.7
3-4 AM	70	0.0	18	0.0	1500	70	0	18	0.43	0	66.3	59.7	45.2	24.7	24.7
4-5 AM	75	0.0	20	0.0	1500	75	0	20	0.43	0	66.3	59.7	45.2	24.7	24.7
5-6 AM	161	0.0	41	0.0	1500	161	0	41	0.44	0	66.1	59.4	44.8	24.5	24.5
6-7 AM	230	0.0	60	0.0	1500	230	0	60	0.44	0	66.0	59.2	44.6	24.4	24.4
7-8 AM	426	0.0	110	0.0	1500	426	0	110	0.46	0	65.6	58.7	43.8	24.0	24.0
8-9 AM	649	0.0	168	0.0	1500	649	0	168	0.49	0	65.2	58.1	43.0	23.5	23.5
9-10 AM	729	0.0	188	0.0	OFF	729	0	188	0.00	0	65.0	65.0	65.0	23.4	23.4
10-11 AM	922	0.0	239	0.0	OFF	922	0	239	0.00	0	64.6	64.6	64.6	23.0	23.0
11A-NOON	1060	0.0	275	0.0	OFF	1060	0	275	0.00	0	64.4	64.4	64.4	22.7	22.7
NOON-1PM	1065	0.0	276	0.0	OFF	1065	0	276	0.00	0	64.4	64.4	64.4	22.7	22.7
1-2 PM	1054	0.0	273	0.0	OFF	1054	0	273	0.00	0	64.4	64.4	64.4	22.7	22.7
2-3 PM	1080	0.0	280	0.0	OFF	1080	0	280	0.00	0	64.4	64.4	64.4	22.7	22.7
3-4 PM	1146	0.0	296	0.0	OFF	1146	0	296	0.00	0	64.3	64.3	64.3	22.5	22.5
4-5 PM	1116	0.0	289	0.0	OFF	1116	0	289	0.00	0	64.3	64.3	64.3	22.6	22.6
5-6 PM	989	0.0	256	0.0	OFF	989	0	256	0.00	0	64.5	64.5	64.5	22.9	22.9
6-7 PM	868	0.0	224	0.0	OFF	868	0	224	0.00	0	64.8	64.8	64.8	23.1	23.1
7-8 PM	675	0.0	175	0.0	1500	675	0	175	0.49	0	65.1	58.0	42.8	23.5	23.5
8-9 PM	505	0.0	131	0.0	1500	505	0	131	0.47	0	65.5	58.4	43.5	23.8	23.8
9-10 PM	345	0.0	90	0.0	1500	345	0	90	0.46	0	65.8	58.9	44.1	24.2	24.2
10-11 PM	237	0.0	62	0.0	1500	237	0	62	0.45	0	66.0	59.2	44.5	24.3	24.3
11PM-MID	189	0.0	49	0.0	1500	189	0	49	0.44	0	66.0	59.3	44.7	24.5	24.5

"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	0.0095
MAIN ROUTE WITH WORKS	0.0093
DIVERSION	0.0335

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$435
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**NIGHTTIME CLOSURE**  
**DIVERSION ROUTE: CTH K - STH 175 - STH 33**

**OCTOBER**  
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**SUNDAY NORTHBOUND DIRECTION**

