

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

MAY
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	122	0.0	32	0.0	1500	122	0	32	0.43	0	66.1	59.6	45.0	24.6	24.6
1-2 AM	94	0.0	24	0.0	1500	94	0	24	0.43	0	66.2	59.6	45.1	24.7	24.7
2-3 AM	70	0.0	19	0.0	1500	70	0	19	0.43	0	66.3	59.7	45.2	24.7	24.7
3-4 AM	72	0.0	19	0.0	1500	72	0	19	0.43	0	66.3	59.7	45.2	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	141	0.0	36	0.0	1500	141	0	36	0.44	0	66.1	59.5	44.9	24.6	24.6
6-7 AM	199	0.0	51	0.0	1500	199	0	51	0.44	0	66.0	59.3	44.7	24.5	24.5
7-8 AM	376	0.0	98	0.0	1500	376	0	98	0.46	0	65.7	58.8	44.0	24.1	24.1
8-9 AM	592	0.0	153	0.0	1500	592	0	153	0.48	0	65.3	58.2	43.2	23.7	23.7
9-10 AM	1010	0.0	261	0.0	OFF	1010	0	261	0.00	0	64.5	64.5	64.5	22.9	22.9
10-11 AM	1399	0.0	362	0.0	OFF	1399	0	362	0.00	0	63.8	63.8	63.8	22.0	22.0
11A-NOON	1504	0.0	389	0.0	OFF	1504	0	389	0.00	0	63.6	63.6	63.6	21.9	21.9
NOON-1PM	1589	0.0	412	0.0	OFF	1589	0	412	0.00	0	63.4	63.4	63.4	21.7	21.7
1-2 PM	1565	0.0	405	0.0	OFF	1565	0	405	0.00	0	63.5	63.5	63.5	21.7	21.7
2-3 PM	1664	0.0	431	0.0	OFF	1664	0	431	0.00	0	63.3	63.3	63.3	21.5	21.5
3-4 PM	1680	0.0	435	0.0	OFF	1680	0	435	0.00	0	63.3	63.3	63.3	21.5	21.5
4-5 PM	1805	0.0	467	0.0	OFF	1805	0	467	0.00	0	63.0	63.0	63.0	21.2	21.2
5-6 PM	1644	0.0	426	0.0	OFF	1644	0	426	0.00	0	63.3	63.3	63.3	21.5	21.5
6-7 PM	1409	0.0	365	0.0	OFF	1409	0	365	0.00	0	63.8	63.8	63.8	22.0	22.0
7-8 PM	1167	0.0	303	0.0	1500	1167	0	303	0.59	0	64.2	56.0	39.6	22.5	22.5
8-9 PM	835	0.0	216	0.0	1500	835	0	216	0.50	0	64.8	57.6	42.3	23.2	23.2
9-10 PM	590	0.0	152	0.0	1500	590	0	152	0.48	0	65.3	58.2	43.2	23.7	23.7
10-11 PM	338	0.0	87	0.0	1500	338	0	87	0.46	0	65.8	58.9	44.2	24.2	24.2
11PM-MID	171	0.0	44	0.0	1500	171	0	44	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	0.0138
MAIN ROUTE WITH WORKS	0.0134
DIVERSION	0.0484

PIA: Personal Injury Accidents

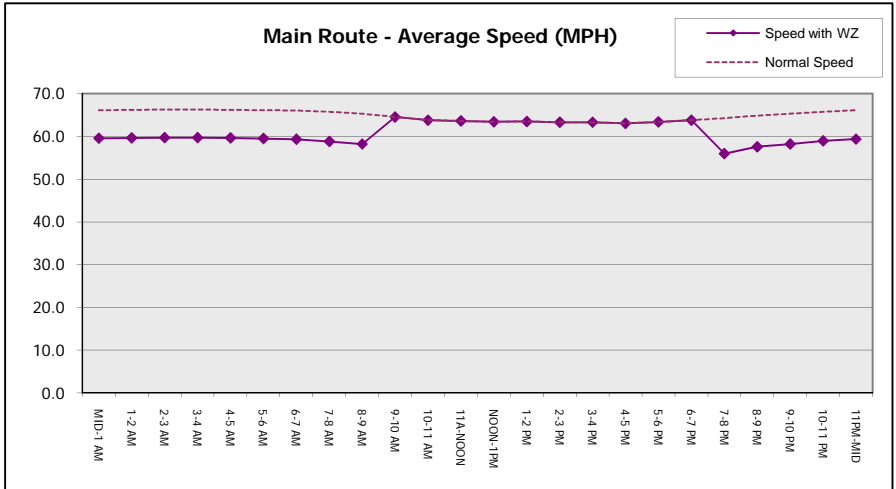
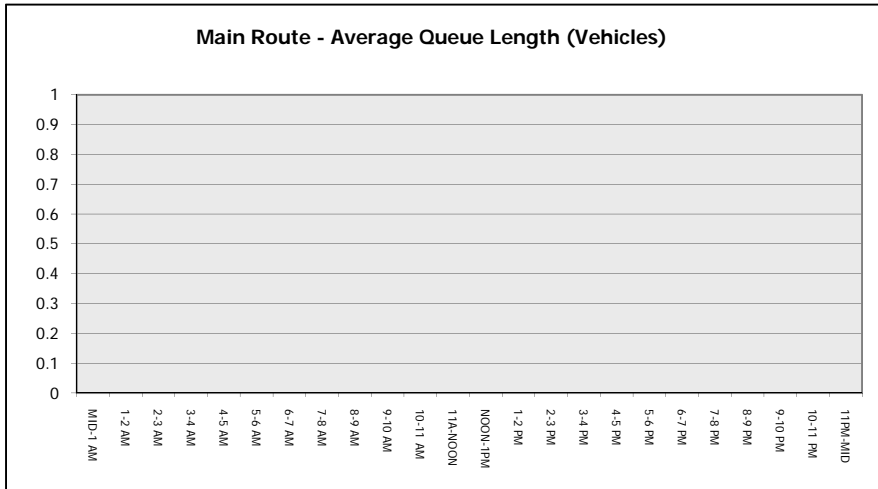
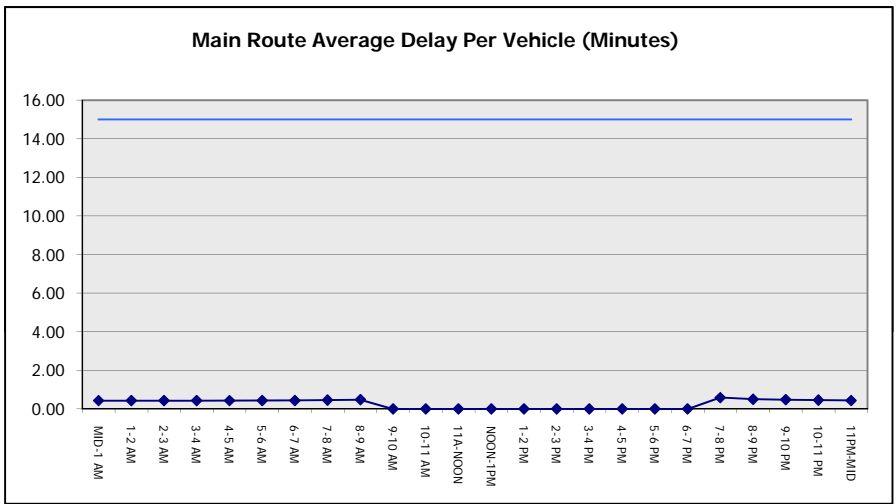
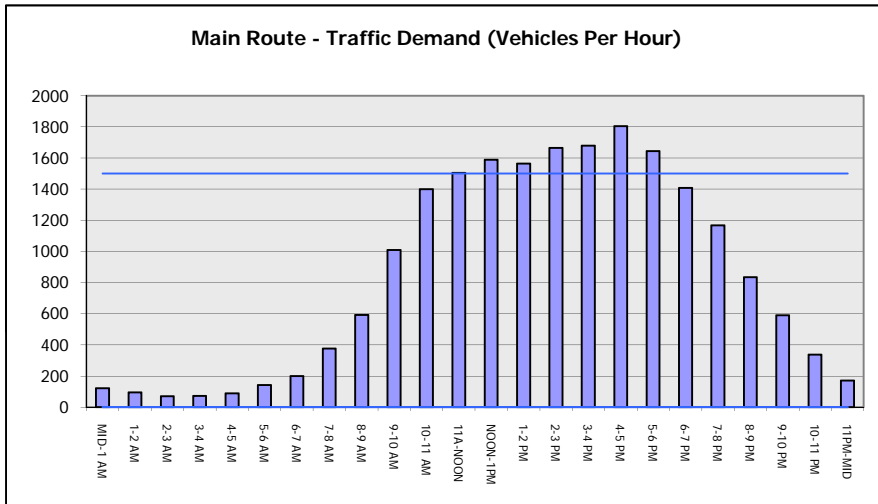
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$575
CONGESTED HOURS PER DAY*	0

*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

MAY
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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

SUMMARY OF TRAFFIC MODEL OUTPUT

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	131	0.0	34	0.0	1500	131	0	34	0.44	0	66.1	59.5	45.0	24.6	24.6
1-2 AM	82	0.0	22	0.0	1500	82	0	22	0.43	0	66.3	59.6	45.1	24.7	24.7
2-3 AM	67	0.0	17	0.0	1500	67	0	17	0.43	0	66.3	59.7	45.2	24.7	24.7
3-4 AM	55	0.0	14	0.0	1500	55	0	14	0.43	0	66.3	59.7	45.3	24.7	24.7
4-5 AM	69	0.0	17	0.0	1500	69	0	17	0.43	0	66.3	59.7	45.2	24.7	24.7
5-6 AM	117	0.0	31	0.0	1500	117	0	31	0.43	0	66.1	59.6	45.0	24.6	24.6
6-7 AM	264	0.0	68	0.0	1500	264	0	68	0.45	0	65.9	59.1	44.4	24.3	24.3
7-8 AM	402	0.0	104	0.0	1500	402	0	104	0.46	0	65.6	58.7	43.9	24.0	24.0
8-9 AM	641	0.0	166	0.0	1500	641	0	166	0.48	0	65.2	58.1	43.0	23.6	23.6
9-10 AM	826	0.0	214	0.0	OFF	826	0	214	0.00	0	64.8	64.8	64.8	23.2	23.2
10-11 AM	998	0.0	258	0.0	OFF	998	0	258	0.00	0	64.5	64.5	64.5	22.9	22.9
11A-NOON	1079	0.0	280	0.0	OFF	1079	0	280	0.00	0	64.4	64.4	64.4	22.7	22.7
NOON-1PM	1049	0.0	272	0.0	OFF	1049	0	272	0.00	0	64.5	64.5	64.5	22.7	22.7
1-2 PM	944	0.0	244	0.0	OFF	944	0	244	0.00	0	64.6	64.6	64.6	23.0	23.0
2-3 PM	941	0.0	244	0.0	OFF	941	0	244	0.00	0	64.6	64.6	64.6	23.0	23.0
3-4 PM	1061	0.0	275	0.0	OFF	1061	0	275	0.00	0	64.4	64.4	64.4	22.7	22.7
4-5 PM	1221	0.0	316	0.0	OFF	1221	0	316	0.00	0	64.1	64.1	64.1	22.4	22.4
5-6 PM	1169	0.0	303	0.0	OFF	1169	0	303	0.00	0	64.2	64.2	64.2	22.5	22.5
6-7 PM	938	0.0	243	0.0	OFF	938	0	243	0.00	0	64.6	64.6	64.6	23.0	23.0
7-8 PM	769	0.0	200	0.0	1500	769	0	200	0.50	0	65.0	57.8	42.5	23.3	23.3
8-9 PM	562	0.0	145	0.0	1500	562	0	145	0.48	0	65.3	58.3	43.3	23.7	23.7
9-10 PM	402	0.0	104	0.0	1500	402	0	104	0.46	0	65.6	58.7	43.9	24.0	24.0
10-11 PM	273	0.0	71	0.0	1500	273	0	71	0.45	0	65.9	59.1	44.4	24.3	24.3
11PM-MID	167	0.0	43	0.0	1500	167	0	43	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	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	0.0097
MAIN ROUTE WITH WORKS	0.0095
DIVERSION	0.0342

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$445
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

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SUNDAY NORTHBOUND DIRECTION

