

**USH 41: STH 67 TO STH 60 (WASHINGTON AND DODGE COUNTIES)
OFF-PEAK DAY 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	OFF	122	0	32	0.00	0	66.1	66.1	66.1	24.6	24.6
1-2 AM	94	0.0	24	0.0	OFF	94	0	24	0.00	0	66.2	66.2	66.2	24.7	24.7
2-3 AM	70	0.0	19	0.0	OFF	70	0	19	0.00	0	66.3	66.3	66.3	24.7	24.7
3-4 AM	72	0.0	19	0.0	OFF	72	0	19	0.00	0	66.3	66.3	66.3	24.7	24.7
4-5 AM	89	0.0	23	0.0	OFF	89	0	23	0.00	0	66.2	66.2	66.2	24.7	24.7
5-6 AM	141	0.0	36	0.0	OFF	141	0	36	0.00	0	66.1	66.1	66.1	24.6	24.6
6-7 AM	199	0.0	51	0.0	OFF	199	0	51	0.00	0	66.0	66.0	66.0	24.5	24.5
7-8 AM	376	0.0	98	0.0	OFF	376	0	98	0.00	0	65.7	65.7	65.7	24.1	24.1
8-9 AM	592	0.0	153	0.0	OFF	592	0	153	0.00	0	65.3	65.3	65.3	23.7	23.7
9-10 AM	1010	0.0	261	0.0	1500	1010	0	261	0.52	0	64.5	57.1	41.7	22.9	22.9
10-11 AM	1399	0.0	362	0.0	1499	1399	0	362	0.89	0	63.8	52.2	33.0	22.0	22.0
11A-NOON	1504	0.0	389	0.0	1499	1504	0	389	1.13	3	63.6	49.7	31.0	21.9	21.9
NOON-1PM	1589	0.0	412	0.0	1500	1589	0	412	3.01	56	63.4	36.5	30.8	21.7	21.7
1-2 PM	1565	0.0	405	0.0	1499	1565	0	405	5.91	132	63.5	25.9	30.8	21.7	21.7
2-3 PM	1664	0.0	431	0.0	1500	1664	0	431	9.94	246	63.3	18.4	30.8	21.5	21.5
3-4 PM	1680	0.0	435	0.0	1499	1659	21	457	16.24	415	63.3	12.7	30.8	21.5	21.4
4-5 PM	1805	0.0	467	0.0	1499	1546	259	726	20.49	526	63.0	10.5	30.8	21.2	19.3
5-6 PM	1644	0.0	426	0.0	1499	1438	205	631	19.61	502	63.3	10.9	30.8	21.5	20.0
6-7 PM	1409	0.0	365	0.0	1499	1388	21	386	16.80	426	63.8	12.4	30.8	22.0	21.9
7-8 PM	1167	0.0	303	0.0	OFF	1167	0	303	0.39	23	64.2	58.5	58.5	22.5	22.5
8-9 PM	835	0.0	216	0.0	OFF	835	0	216	0.00	0	64.8	64.8	64.8	23.2	23.2
9-10 PM	590	0.0	152	0.0	OFF	590	0	152	0.00	0	65.3	65.3	65.3	23.7	23.7
10-11 PM	338	0.0	87	0.0	OFF	338	0	87	0.00	0	65.8	65.8	65.8	24.2	24.2
11PM-MID	171	0.0	44	0.0	OFF	171	0	44	0.00	0	66.1	66.1	66.1	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	0.0124
DIVERSION	0.0531

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$43,143
CONGESTED HOURS PER DAY*	4

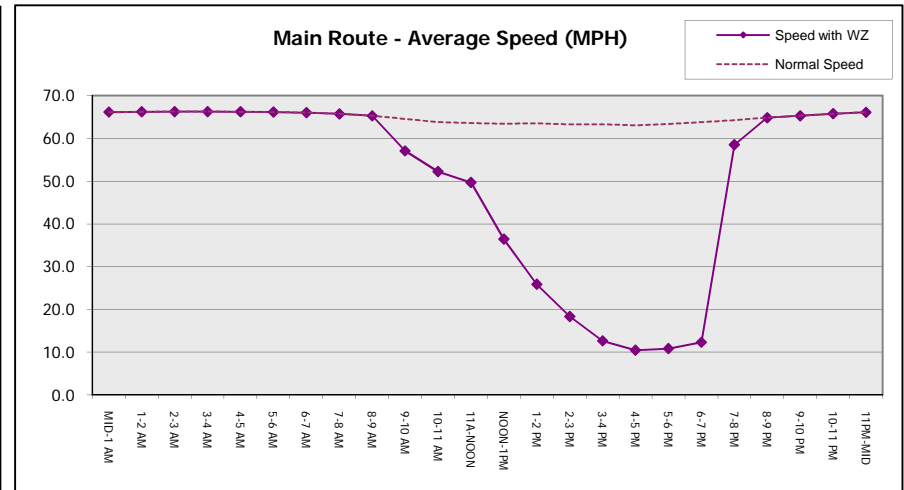
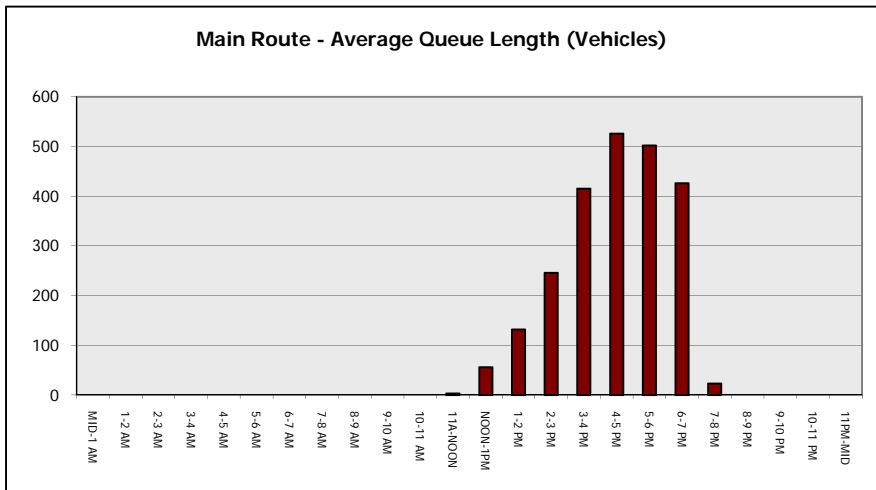
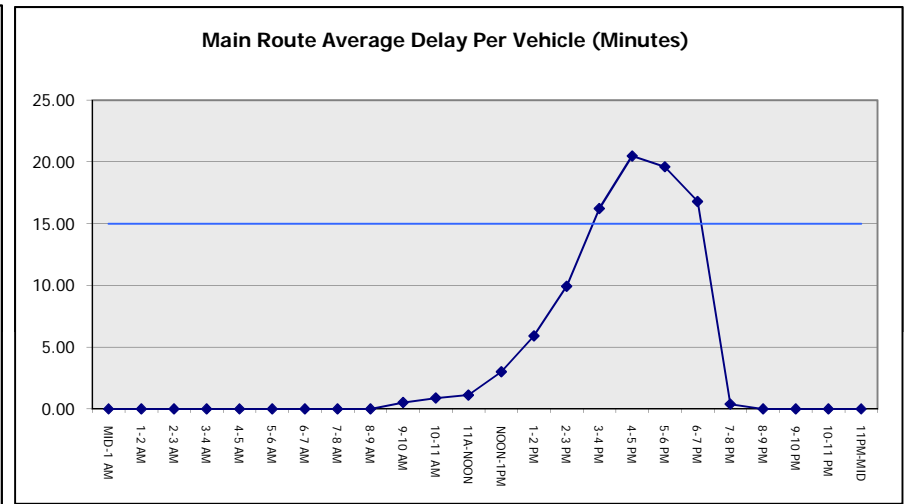
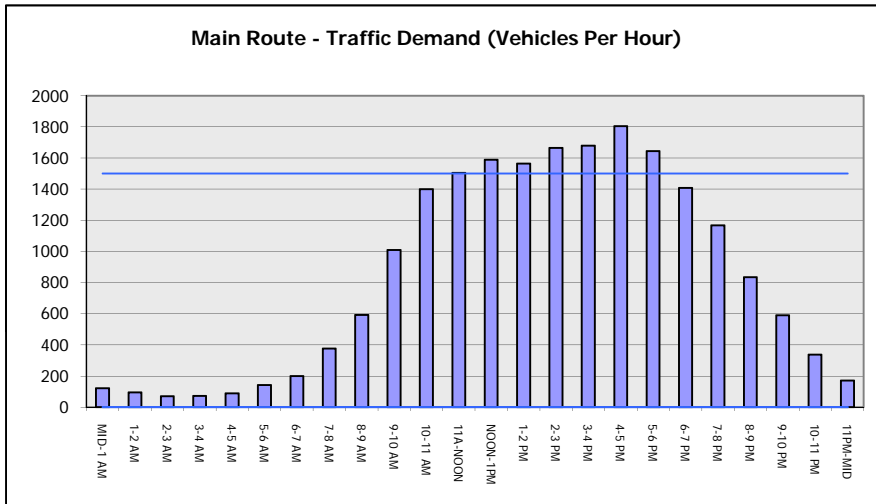
*Delays Exceeding 15 Minutes

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OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: CTH K - STH 175 - STH 33

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY SOUTHBOUND DIRECTION



USH 41: STH 67 TO STH 60 (WASHINGTON AND DODGE COUNTIES) OFF-PEAK DAY 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	OFF	131	0	34	0.00	0	66.1	66.1	66.1	24.6	24.6
1-2 AM	82	0.0	22	0.0	OFF	82	0	22	0.00	0	66.3	66.3	66.3	24.7	24.7
2-3 AM	67	0.0	17	0.0	OFF	67	0	17	0.00	0	66.3	66.3	66.3	24.7	24.7
3-4 AM	55	0.0	14	0.0	OFF	55	0	14	0.00	0	66.3	66.3	66.3	24.7	24.7
4-5 AM	69	0.0	17	0.0	OFF	69	0	17	0.00	0	66.3	66.3	66.3	24.7	24.7
5-6 AM	117	0.0	31	0.0	OFF	117	0	31	0.00	0	66.1	66.1	66.1	24.6	24.6
6-7 AM	264	0.0	68	0.0	OFF	264	0	68	0.00	0	65.9	65.9	65.9	24.3	24.3
7-8 AM	402	0.0	104	0.0	OFF	402	0	104	0.00	0	65.6	65.6	65.6	24.0	24.0
8-9 AM	641	0.0	166	0.0	OFF	641	0	166	0.00	0	65.2	65.2	65.2	23.6	23.6
9-10 AM	826	0.0	214	0.0	1500	826	0	214	0.50	0	64.8	57.6	42.3	23.2	23.2
10-11 AM	998	0.0	258	0.0	1500	998	0	258	0.52	0	64.5	57.1	41.7	22.9	22.9
11A-NOON	1079	0.0	280	0.0	1500	1079	0	280	0.53	0	64.4	56.9	41.4	22.7	22.7
NOON-1PM	1049	0.0	272	0.0	1500	1049	0	272	0.52	0	64.5	56.9	41.5	22.7	22.7
1-2 PM	944	0.0	244	0.0	1500	944	0	244	0.51	0	64.6	57.3	41.9	23.0	23.0
2-3 PM	941	0.0	244	0.0	1500	941	0	244	0.51	0	64.6	57.3	41.9	23.0	23.0
3-4 PM	1061	0.0	275	0.0	1500	1061	0	275	0.52	0	64.4	56.9	41.5	22.7	22.7
4-5 PM	1221	0.0	316	0.0	1500	1221	0	316	0.66	0	64.1	55.0	37.8	22.4	22.4
5-6 PM	1169	0.0	303	0.0	1500	1169	0	303	0.60	0	64.2	55.9	39.4	22.5	22.5
6-7 PM	938	0.0	243	0.0	1500	938	0	243	0.51	0	64.6	57.3	41.9	23.0	23.0
7-8 PM	769	0.0	200	0.0	OFF	769	0	200	0.00	0	65.0	65.0	65.0	23.3	23.3
8-9 PM	562	0.0	145	0.0	OFF	562	0	145	0.00	0	65.3	65.3	65.3	23.7	23.7
9-10 PM	402	0.0	104	0.0	OFF	402	0	104	0.00	0	65.6	65.6	65.6	24.0	24.0
10-11 PM	273	0.0	71	0.0	OFF	273	0	71	0.00	0	65.9	65.9	65.9	24.3	24.3
11PM-MID	167	0.0	43	0.0	OFF	167	0	43	0.00	0	66.1	66.1	66.1	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	0.0091
DIVERSION	0.0342

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,548
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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SUNDAY NORTHBOUND DIRECTION

