

**USH 41: STH 67 TO STH 60 (WASHINGTON AND DODGE COUNTIES)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: CTH K - STH 175 - STH 33**

OCTOBER
Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT
SATURDAY 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	134	0.0	35	0.0	1500	134	0	35	0.44	0	66.1	59.5	45.0	24.6	24.6
1-2 AM	106	0.0	28	0.0	1500	106	0	28	0.43	0	66.2	59.6	45.1	24.7	24.7
2-3 AM	93	0.0	24	0.0	1500	93	0	24	0.43	0	66.2	59.6	45.1	24.7	24.7
3-4 AM	93	0.0	24	0.0	1500	93	0	24	0.43	0	66.2	59.6	45.1	24.7	24.7
4-5 AM	138	0.0	36	0.0	1500	138	0	36	0.44	0	66.1	59.5	45.0	24.6	24.6
5-6 AM	230	0.0	60	0.0	1500	230	0	60	0.44	0	66.0	59.2	44.6	24.4	24.4
6-7 AM	326	0.0	84	0.0	1500	326	0	84	0.45	0	65.8	58.9	44.2	24.2	24.2
7-8 AM	519	0.0	135	0.0	1500	519	0	135	0.47	0	65.4	58.4	43.4	23.8	23.8
8-9 AM	751	0.0	195	0.0	1500	751	0	195	0.50	0	65.0	57.8	42.5	23.3	23.3
9-10 AM	945	0.0	245	0.0	1500	945	0	245	0.51	0	64.6	57.3	41.9	23.0	23.0
10-11 AM	1044	0.0	271	0.0	1500	1044	0	271	0.52	0	64.5	57.0	41.5	22.8	22.8
11A-NOON	1126	0.0	291	0.0	1500	1126	0	291	0.54	0	64.3	56.6	41.0	22.6	22.6
NOON-1PM	1075	0.0	279	0.0	1500	1075	0	279	0.53	0	64.4	56.9	41.4	22.7	22.7
1-2 PM	1111	0.0	287	0.0	1500	1111	0	287	0.53	0	64.3	56.8	41.3	22.7	22.7
2-3 PM	1056	0.0	274	0.0	1500	1056	0	274	0.52	0	64.4	56.9	41.5	22.7	22.7
3-4 PM	1074	0.0	278	0.0	1500	1074	0	278	0.53	0	64.4	56.9	41.4	22.7	22.7
4-5 PM	1097	0.0	284	0.0	1500	1097	0	284	0.53	0	64.3	56.8	41.4	22.7	22.7
5-6 PM	1007	0.0	260	0.0	1500	1007	0	260	0.52	0	64.5	57.1	41.7	22.9	22.9
6-7 PM	853	0.0	221	0.0	1500	853	0	221	0.51	0	64.8	57.5	42.2	23.2	23.2
7-8 PM	708	0.0	183	0.0	1500	708	0	183	0.49	0	65.1	57.9	42.7	23.4	23.4
8-9 PM	619	0.0	161	0.0	1500	619	0	161	0.48	0	65.2	58.1	43.0	23.6	23.6
9-10 PM	500	0.0	130	0.0	1500	500	0	130	0.47	0	65.5	58.4	43.5	23.8	23.8
10-11 PM	357	0.0	93	0.0	1500	357	0	93	0.46	0	65.7	58.9	44.0	24.2	24.2
11PM-MID	241	0.0	63	0.0	1500	241	0	63	0.45	0	66.0	59.2	44.5	24.3	24.3

----- 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	0.0104
MAIN ROUTE WITH WORKS	0.0094
DIVERSION	0.0366

PIA: Personal Injury Accidents

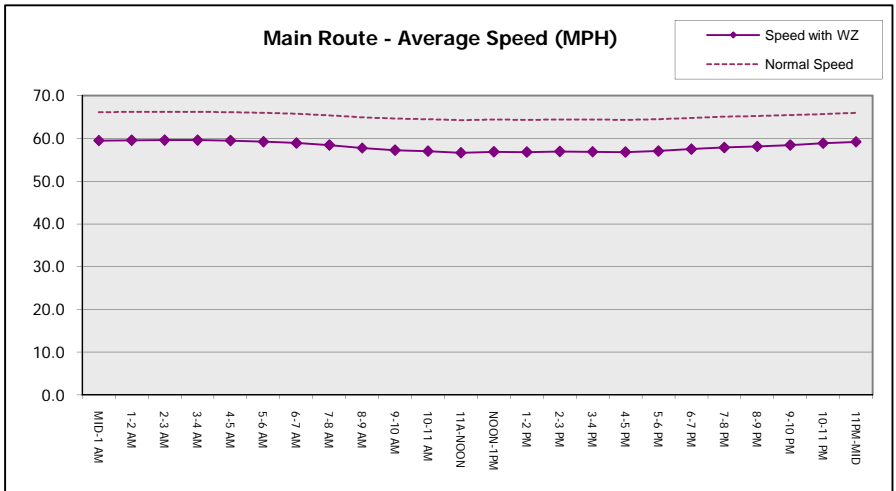
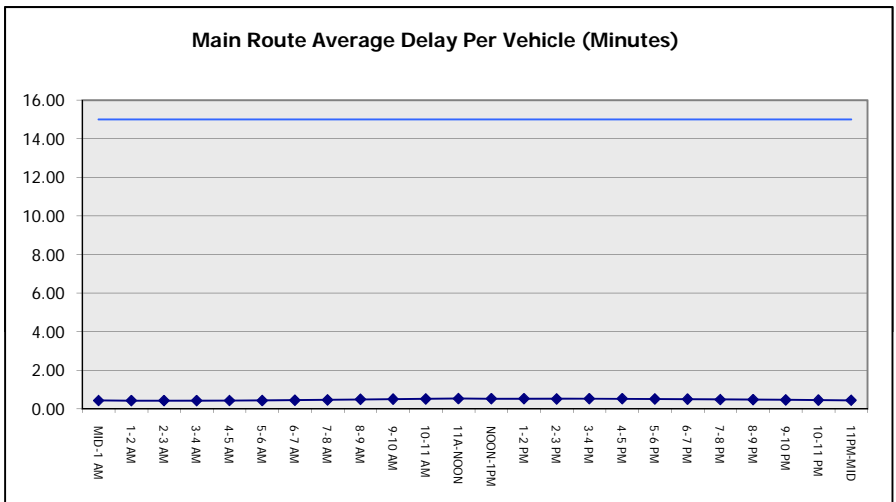
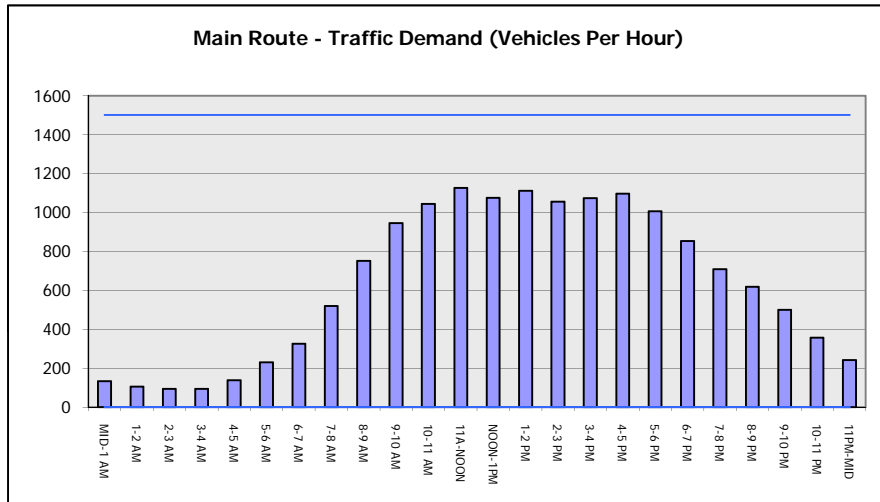
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,963
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: CTH K - STH 175 - STH 33

OCTOBER
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



USH 41: STH 67 TO STH 60 (WASHINGTON AND DODGE COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CTH K - STH 175 - STH 33	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	224	0.0	58	0.0	1500	224	0	58	0.44	0	66.0	59.2	44.6	24.4	24.4
1-2 AM	140	0.0	36	0.0	1500	140	0	36	0.44	0	66.1	59.5	44.9	24.6	24.6
2-3 AM	107	0.0	28	0.0	1500	107	0	28	0.43	0	66.2	59.6	45.1	24.7	24.7
3-4 AM	113	0.0	30	0.0	1500	113	0	30	0.43	0	66.2	59.6	45.0	24.6	24.6
4-5 AM	172	0.0	44	0.0	1500	172	0	44	0.44	0	66.1	59.4	44.8	24.5	24.5
5-6 AM	336	0.0	88	0.0	1500	336	0	88	0.46	0	65.8	58.9	44.2	24.2	24.2
6-7 AM	500	0.0	130	0.0	1500	500	0	130	0.47	0	65.5	58.4	43.5	23.8	23.8
7-8 AM	747	0.0	194	0.0	1500	747	0	194	0.49	0	65.0	57.8	42.6	23.3	23.3
8-9 AM	985	0.0	255	0.0	1500	985	0	255	0.52	0	64.5	57.1	41.7	22.9	22.9
9-10 AM	1226	0.0	318	0.0	1500	1226	0	318	0.67	0	64.1	55.0	37.6	22.4	22.4
10-11 AM	1300	0.0	337	0.0	1500	1300	0	337	0.77	0	64.0	53.8	35.5	22.2	22.2
11A-NOON	1310	0.0	340	0.0	1500	1310	0	340	0.78	0	64.0	53.6	35.2	22.2	22.2
NOON-1PM	1227	0.0	318	0.0	1500	1227	0	318	0.67	0	64.1	55.0	37.6	22.4	22.4
1-2 PM	1106	0.0	286	0.0	1500	1106	0	286	0.53	0	64.3	56.8	41.3	22.7	22.7
2-3 PM	1044	0.0	271	0.0	1500	1044	0	271	0.52	0	64.5	57.0	41.5	22.8	22.8
3-4 PM	1101	0.0	285	0.0	1500	1101	0	285	0.53	0	64.3	56.8	41.3	22.7	22.7
4-5 PM	1042	0.0	270	0.0	1500	1042	0	270	0.52	0	64.5	57.0	41.5	22.8	22.8
5-6 PM	919	0.0	238	0.0	1500	919	0	238	0.51	0	64.6	57.3	42.0	23.0	23.0
6-7 PM	769	0.0	199	0.0	1500	769	0	199	0.50	0	65.0	57.8	42.5	23.3	23.3
7-8 PM	670	0.0	174	0.0	1500	670	0	174	0.49	0	65.1	58.0	42.8	23.5	23.5
8-9 PM	551	0.0	143	0.0	1500	551	0	143	0.48	0	65.3	58.3	43.3	23.7	23.7
9-10 PM	475	0.0	123	0.0	1500	475	0	123	0.47	0	65.5	58.6	43.6	23.9	23.9
10-11 PM	380	0.0	98	0.0	1500	380	0	98	0.46	0	65.7	58.8	44.0	24.1	24.1
11PM-MID	290	0.0	75	0.0	1500	290	0	75	0.45	0	65.8	59.1	44.3	24.3	24.3

----- 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	0.0115
MAIN ROUTE WITH WORKS	0.0103
DIVERSION	0.0402

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,416
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
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SATURDAY NORTHBOUND DIRECTION

