

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

MAY
Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT
MON-THUR 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	92	0.0	24	0.0	1500	92	0	24	0.43	0	66.2	59.6	45.1	24.7	24.7
1-2 AM	84	0.0	22	0.0	1500	84	0	22	0.43	0	66.2	59.6	45.1	24.7	24.7
2-3 AM	108	0.0	28	0.0	1500	108	0	28	0.43	0	66.2	59.6	45.1	24.7	24.7
3-4 AM	190	0.0	49	0.0	1500	190	0	49	0.44	0	66.0	59.3	44.7	24.5	24.5
4-5 AM	408	0.0	105	0.0	1500	408	0	105	0.46	0	65.6	58.7	43.8	24.0	24.0
5-6 AM	861	0.0	223	0.0	1500	861	0	223	0.51	0	64.8	57.5	42.2	23.1	23.1
6-7 AM	1152	0.0	298	0.0	1500	1152	0	298	0.57	0	64.2	56.2	40.1	22.5	22.5
7-8 AM	1059	0.0	274	0.0	1500	1059	0	274	0.52	0	64.4	56.9	41.5	22.7	22.7
8-9 AM	951	0.0	246	0.0	1500	951	0	246	0.51	0	64.6	57.3	41.9	23.0	23.0
9-10 AM	938	0.0	243	0.0	1500	938	0	243	0.51	0	64.6	57.3	41.9	23.0	23.0
10-11 AM	919	0.0	238	0.0	1500	919	0	238	0.51	0	64.6	57.3	42.0	23.0	23.0
11A-NOON	908	0.0	235	0.0	1500	908	0	235	0.51	0	64.7	57.4	42.0	23.0	23.0
NOON-1PM	927	0.0	240	0.0	1500	927	0	240	0.51	0	64.6	57.3	41.9	23.0	23.0
1-2 PM	1028	0.0	266	0.0	1500	1028	0	266	0.52	0	64.5	57.0	41.6	22.8	22.8
2-3 PM	1060	0.0	274	0.0	1500	1060	0	274	0.52	0	64.4	56.9	41.5	22.7	22.7
3-4 PM	1110	0.0	287	0.0	1500	1110	0	287	0.53	0	64.3	56.8	41.3	22.7	22.7
4-5 PM	1109	0.0	287	0.0	1500	1109	0	287	0.53	0	64.3	56.8	41.3	22.7	22.7
5-6 PM	976	0.0	252	0.0	1500	976	0	252	0.52	0	64.6	57.2	41.8	22.9	22.9
6-7 PM	743	0.0	191	0.0	1500	743	0	191	0.49	0	65.0	57.8	42.6	23.3	23.3
7-8 PM	588	0.0	151	0.0	1500	588	0	151	0.48	0	65.3	58.2	43.2	23.7	23.7
8-9 PM	495	0.0	128	0.0	1500	495	0	128	0.47	0	65.5	58.5	43.5	23.8	23.8
9-10 PM	397	0.0	103	0.0	1500	397	0	103	0.46	0	65.6	58.7	43.9	24.0	24.0
10-11 PM	247	0.0	64	0.0	1500	247	0	64	0.45	0	66.0	59.2	44.5	24.3	24.3
11PM-MID	137	0.0	35	0.0	1500	137	0	35	0.44	0	66.1	59.5	45.0	24.6	24.6

----- 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	0.0113
MAIN ROUTE WITH WORKS	0.0102
DIVERSION	0.0395

PIA: Personal Injury Accidents

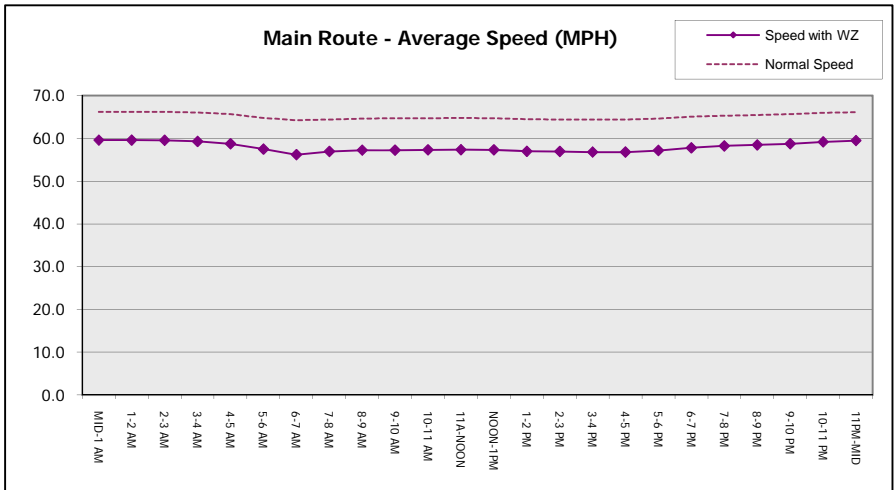
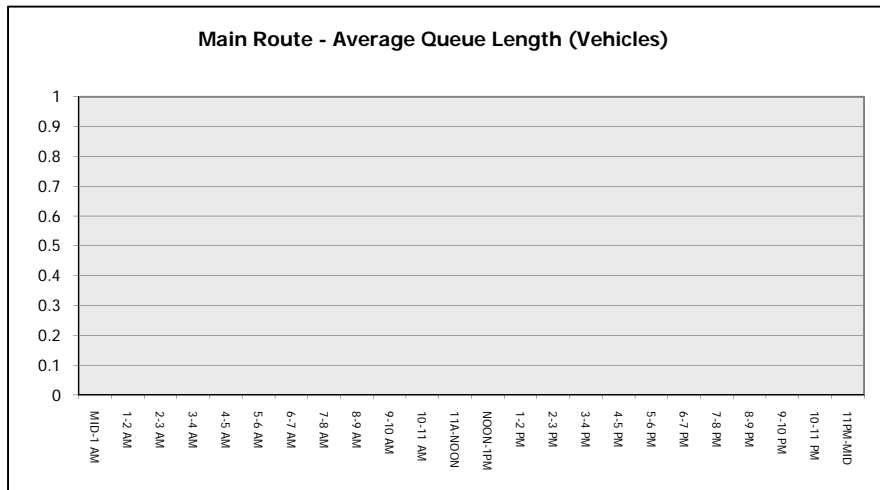
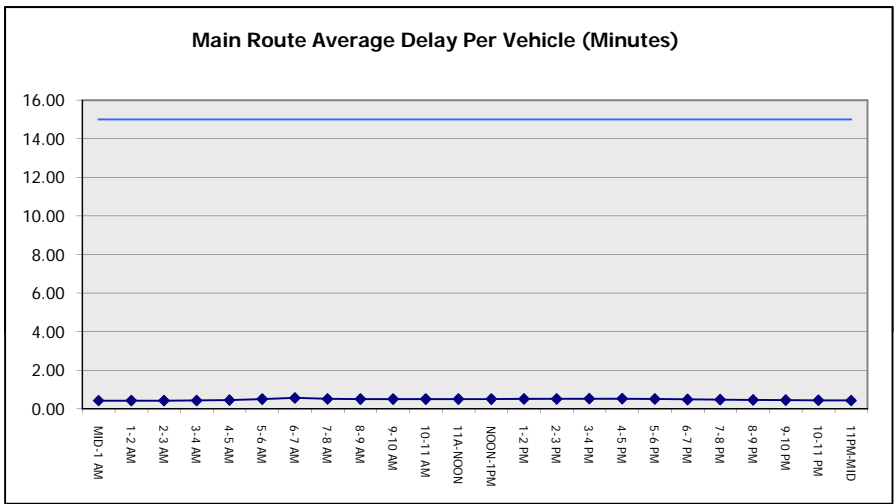
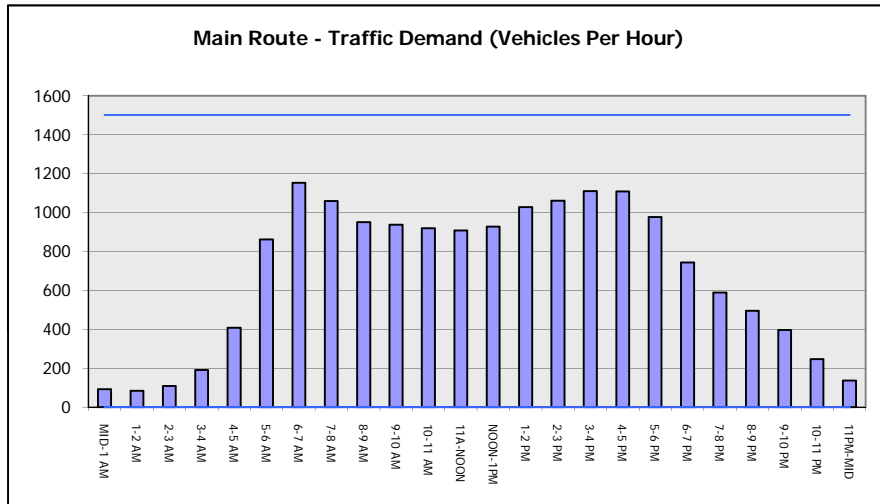
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,685
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	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	98	0.0	26	0.0	1500	98	0	26	0.43	0	66.2	59.6	45.1	24.7	24.7
2-3 AM	89	0.0	23	0.0	1500	89	0	23	0.43	0	66.2	59.6	45.1	24.7	24.7
3-4 AM	116	0.0	30	0.0	1500	116	0	30	0.43	0	66.2	59.6	45.0	24.6	24.6
4-5 AM	215	0.0	56	0.0	1500	215	0	56	0.44	0	66.0	59.2	44.6	24.4	24.4
5-6 AM	459	0.0	118	0.0	1500	459	0	118	0.47	0	65.5	58.6	43.7	23.9	23.9
6-7 AM	770	0.0	200	0.0	1500	770	0	200	0.50	0	65.0	57.8	42.5	23.3	23.3
7-8 AM	840	0.0	217	0.0	1500	840	0	217	0.50	0	64.8	57.5	42.2	23.2	23.2
8-9 AM	840	0.0	217	0.0	1500	840	0	217	0.50	0	64.8	57.5	42.2	23.2	23.2
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	820	0.0	213	0.0	1500	820	0	213	0.50	0	64.8	57.6	42.3	23.2	23.2
11A-NOON	835	0.0	216	0.0	1500	835	0	216	0.50	0	64.8	57.6	42.3	23.2	23.2
NOON-1PM	845	0.0	218	0.0	1500	845	0	218	0.50	0	64.8	57.5	42.2	23.2	23.2
1-2 PM	903	0.0	234	0.0	1500	903	0	234	0.51	0	64.7	57.4	42.0	23.0	23.0
2-3 PM	1088	0.0	281	0.0	1500	1088	0	281	0.53	0	64.3	56.9	41.4	22.7	22.7
3-4 PM	1326	0.0	343	0.0	1500	1326	0	343	0.80	0	63.9	53.3	34.8	22.2	22.2
4-5 PM	1370	0.0	355	0.0	1500	1370	0	355	0.86	0	63.8	52.7	33.7	22.1	22.1
5-6 PM	1087	0.0	281	0.0	1500	1087	0	281	0.53	0	64.3	56.9	41.4	22.7	22.7
6-7 PM	719	0.0	185	0.0	1500	719	0	185	0.49	0	65.0	57.9	42.7	23.4	23.4
7-8 PM	549	0.0	142	0.0	1500	549	0	142	0.48	0	65.4	58.3	43.3	23.7	23.7
8-9 PM	482	0.0	125	0.0	1500	482	0	125	0.47	0	65.5	58.5	43.6	23.9	23.9
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	323	0.0	83	0.0	1500	323	0	83	0.45	0	65.8	58.9	44.2	24.2	24.2
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

----- 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	0.0105
MAIN ROUTE WITH WORKS	0.0095
DIVERSION	0.0367

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,700
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**

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MON-THUR NORTHBOUND DIRECTION

