

**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
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	128	0.0	33	0.0	1500	128	0	33	0.43	0	66.1	59.5	45.0	24.6	24.6
1-2 AM	110	0.0	29	0.0	1500	110	0	29	0.43	0	66.2	59.6	45.0	24.6	24.6
2-3 AM	115	0.0	30	0.0	1500	115	0	30	0.43	0	66.2	59.6	45.0	24.6	24.6
3-4 AM	182	0.0	47	0.0	1500	182	0	47	0.44	0	66.1	59.4	44.8	24.5	24.5
4-5 AM	377	0.0	98	0.0	1500	377	0	98	0.46	0	65.7	58.8	44.0	24.1	24.1
5-6 AM	872	0.0	225	0.0	1500	872	0	225	0.51	0	64.8	57.4	42.1	23.1	23.1
6-7 AM	1211	0.0	314	0.0	1500	1211	0	314	0.65	0	64.1	55.2	38.1	22.4	22.4
7-8 AM	1145	0.0	296	0.0	1500	1145	0	296	0.56	0	64.3	56.3	40.3	22.5	22.5
8-9 AM	988	0.0	256	0.0	1500	988	0	256	0.52	0	64.5	57.1	41.7	22.9	22.9
9-10 AM	910	0.0	236	0.0	1500	910	0	236	0.51	0	64.7	57.3	42.0	23.0	23.0
10-11 AM	884	0.0	229	0.0	1500	884	0	229	0.51	0	64.7	57.4	42.1	23.1	23.1
11A-NOON	892	0.0	231	0.0	1500	892	0	231	0.51	0	64.7	57.4	42.0	23.1	23.1
NOON-1PM	912	0.0	236	0.0	1500	912	0	236	0.51	0	64.7	57.3	42.0	23.0	23.0
1-2 PM	987	0.0	255	0.0	1500	987	0	255	0.52	0	64.5	57.1	41.7	22.9	22.9
2-3 PM	1020	0.0	265	0.0	1500	1020	0	265	0.52	0	64.5	57.1	41.6	22.8	22.8
3-4 PM	1032	0.0	268	0.0	1500	1032	0	268	0.52	0	64.5	57.0	41.5	22.8	22.8
4-5 PM	1047	0.0	271	0.0	1500	1047	0	271	0.52	0	64.5	57.0	41.5	22.8	22.8
5-6 PM	936	0.0	243	0.0	1500	936	0	243	0.51	0	64.6	57.3	41.9	23.0	23.0
6-7 PM	679	0.0	176	0.0	1500	679	0	176	0.49	0	65.1	58.0	42.8	23.5	23.5
7-8 PM	528	0.0	137	0.0	1500	528	0	137	0.47	0	65.4	58.4	43.4	23.8	23.8
8-9 PM	433	0.0	112	0.0	1500	433	0	112	0.46	0	65.6	58.6	43.8	24.0	24.0
9-10 PM	353	0.0	92	0.0	1500	353	0	92	0.46	0	65.7	58.9	44.1	24.2	24.2
10-11 PM	238	0.0	62	0.0	1500	238	0	62	0.45	0	66.0	59.2	44.5	24.3	24.3
11PM-MID	130	0.0	34	0.0	1500	130	0	34	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	0.0110
MAIN ROUTE WITH WORKS	0.0100
DIVERSION	0.0387

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

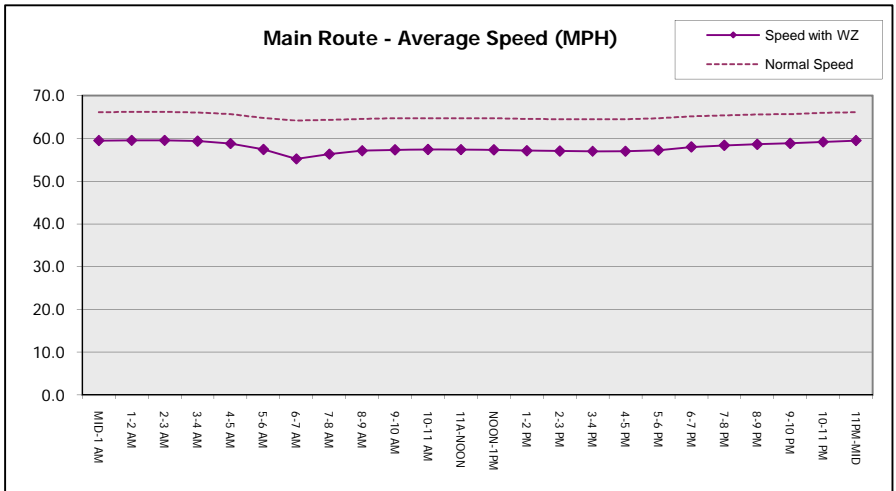
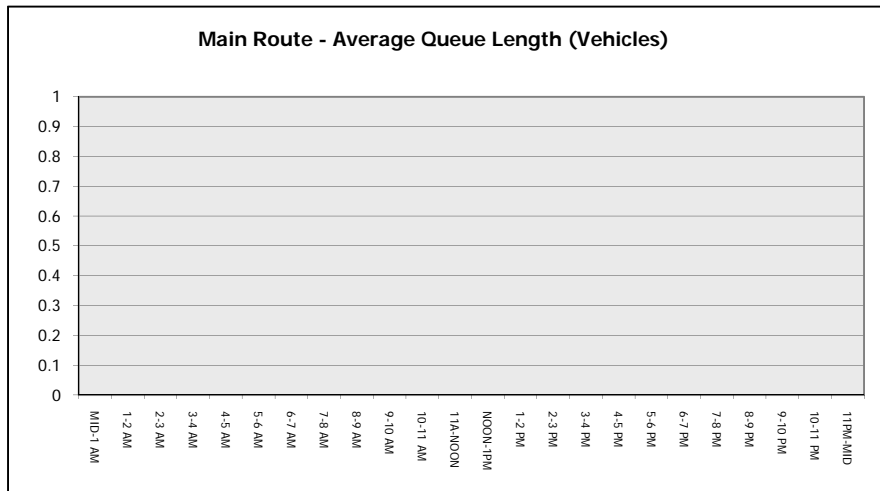
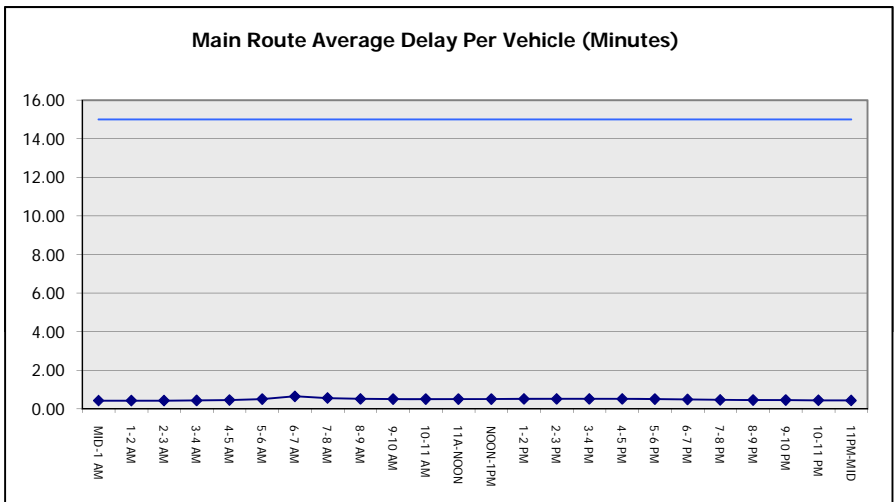
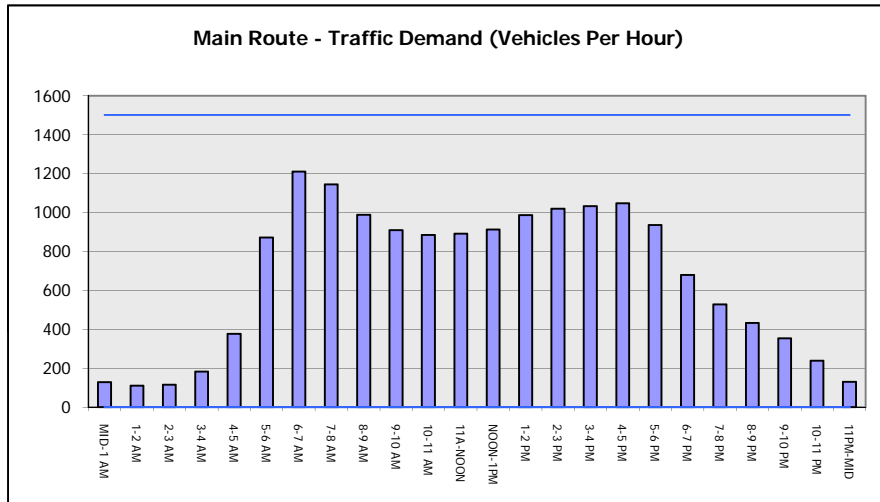
ROAD USER COSTS PER DAY (DOLLARS)	\$1,667
CONGESTED HOURS PER DAY*	0

*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
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	OCTOBER
	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	137	0.0	36	0.0	1500	137	0	36	0.44	0	66.1	59.5	45.0	24.6	24.6
1-2 AM	107	0.0	28	0.0	1500	107	0	28	0.43	0	66.2	59.6	45.1	24.7	24.7
2-3 AM	101	0.0	26	0.0	1500	101	0	26	0.43	0	66.2	59.6	45.1	24.7	24.7
3-4 AM	118	0.0	31	0.0	1500	118	0	31	0.43	0	66.1	59.6	45.0	24.6	24.6
4-5 AM	207	0.0	54	0.0	1500	207	0	54	0.44	0	66.0	59.3	44.6	24.4	24.4
5-6 AM	450	0.0	116	0.0	1500	450	0	116	0.47	0	65.6	58.6	43.7	24.0	24.0
6-7 AM	734	0.0	190	0.0	1500	734	0	190	0.49	0	65.0	57.8	42.6	23.3	23.3
7-8 AM	875	0.0	226	0.0	1500	875	0	226	0.51	0	64.8	57.4	42.1	23.1	23.1
8-9 AM	879	0.0	228	0.0	1500	879	0	228	0.51	0	64.8	57.4	42.1	23.1	23.1
9-10 AM	845	0.0	219	0.0	1500	845	0	219	0.50	0	64.8	57.5	42.2	23.2	23.2
10-11 AM	852	0.0	220	0.0	1500	852	0	220	0.50	0	64.8	57.5	42.2	23.2	23.2
11A-NOON	843	0.0	218	0.0	1500	843	0	218	0.50	0	64.8	57.5	42.2	23.2	23.2
NOON-1PM	850	0.0	220	0.0	1500	850	0	220	0.50	0	64.8	57.5	42.2	23.2	23.2
1-2 PM	914	0.0	237	0.0	1500	914	0	237	0.51	0	64.7	57.3	42.0	23.0	23.0
2-3 PM	1080	0.0	279	0.0	1500	1080	0	279	0.53	0	64.4	56.9	41.4	22.7	22.7
3-4 PM	1337	0.0	346	0.0	1500	1337	0	346	0.81	0	63.9	53.2	34.5	22.2	22.2
4-5 PM	1399	0.0	362	0.0	1500	1399	0	362	0.89	0	63.8	52.2	33.0	22.0	22.0
5-6 PM	1128	0.0	292	0.0	1500	1128	0	292	0.54	0	64.3	56.6	40.9	22.6	22.6
6-7 PM	759	0.0	197	0.0	1500	759	0	197	0.50	0	65.0	57.8	42.5	23.3	23.3
7-8 PM	552	0.0	142	0.0	1500	552	0	142	0.48	0	65.3	58.3	43.3	23.7	23.7
8-9 PM	458	0.0	118	0.0	1500	458	0	118	0.47	0	65.5	58.6	43.7	23.9	23.9
9-10 PM	375	0.0	97	0.0	1500	375	0	97	0.46	0	65.7	58.8	44.0	24.1	24.1
10-11 PM	282	0.0	73	0.0	1500	282	0	73	0.45	0	65.9	59.1	44.3	24.3	24.3
11PM-MID	190	0.0	49	0.0	1500	190	0	49	0.44	0	66.0	59.3	44.7	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	0.0106
MAIN ROUTE WITH WORKS	0.0096
DIVERSION	0.0372

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,734
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
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MON-THUR NORTHBOUND DIRECTION

