

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

AUGUST

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	108	0.0	28	0.0	1500	108	0	28	0.43	0	66.2	59.6	45.1	24.7	24.7
1-2 AM	94	0.0	25	0.0	1500	94	0	25	0.43	0	66.2	59.6	45.1	24.7	24.7
2-3 AM	110	0.0	29	0.0	1500	110	0	29	0.43	0	66.2	59.6	45.0	24.6	24.6
3-4 AM	195	0.0	50	0.0	1500	195	0	50	0.44	0	66.0	59.3	44.7	24.5	24.5
4-5 AM	408	0.0	106	0.0	1500	408	0	106	0.46	0	65.6	58.7	43.8	24.0	24.0
5-6 AM	857	0.0	222	0.0	1500	857	0	222	0.51	0	64.8	57.5	42.2	23.2	23.2
6-7 AM	1156	0.0	300	0.0	1500	1156	0	300	0.58	0	64.2	56.1	39.9	22.5	22.5
7-8 AM	1177	0.0	305	0.0	1500	1177	0	305	0.61	0	64.2	55.8	39.2	22.5	22.5
8-9 AM	1031	0.0	267	0.0	1500	1031	0	267	0.52	0	64.5	57.0	41.5	22.8	22.8
9-10 AM	1013	0.0	263	0.0	1500	1013	0	263	0.52	0	64.5	57.1	41.6	22.9	22.9
10-11 AM	997	0.0	258	0.0	1500	997	0	258	0.52	0	64.5	57.1	41.7	22.9	22.9
11A-NOON	1016	0.0	264	0.0	1500	1016	0	264	0.52	0	64.5	57.1	41.6	22.8	22.8
NOON-1PM	1003	0.0	260	0.0	1500	1003	0	260	0.52	0	64.5	57.1	41.7	22.9	22.9
1-2 PM	1065	0.0	277	0.0	1500	1065	0	277	0.53	0	64.4	56.9	41.4	22.7	22.7
2-3 PM	1074	0.0	279	0.0	1500	1074	0	279	0.53	0	64.4	56.9	41.4	22.7	22.7
3-4 PM	1073	0.0	278	0.0	1500	1073	0	278	0.53	0	64.4	56.9	41.4	22.7	22.7
4-5 PM	1118	0.0	289	0.0	1500	1118	0	289	0.53	0	64.3	56.8	41.3	22.6	22.6
5-6 PM	1009	0.0	261	0.0	1500	1009	0	261	0.52	0	64.5	57.1	41.7	22.9	22.9
6-7 PM	781	0.0	203	0.0	1500	781	0	203	0.50	0	65.0	57.7	42.5	23.3	23.3
7-8 PM	613	0.0	159	0.0	1500	613	0	159	0.48	0	65.3	58.1	43.1	23.6	23.6
8-9 PM	518	0.0	134	0.0	1500	518	0	134	0.47	0	65.4	58.4	43.4	23.8	23.8
9-10 PM	410	0.0	106	0.0	1500	410	0	106	0.46	0	65.6	58.7	43.8	24.0	24.0
10-11 PM	292	0.0	75	0.0	1500	292	0	75	0.45	0	65.8	59.1	44.3	24.3	24.3
11PM-MID	161	0.0	41	0.0	1500	161	0	41	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 (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	0.0118
MAIN ROUTE WITH WORKS	0.0107
DIVERSION	0.0415

PIA: Personal Injury Accidents

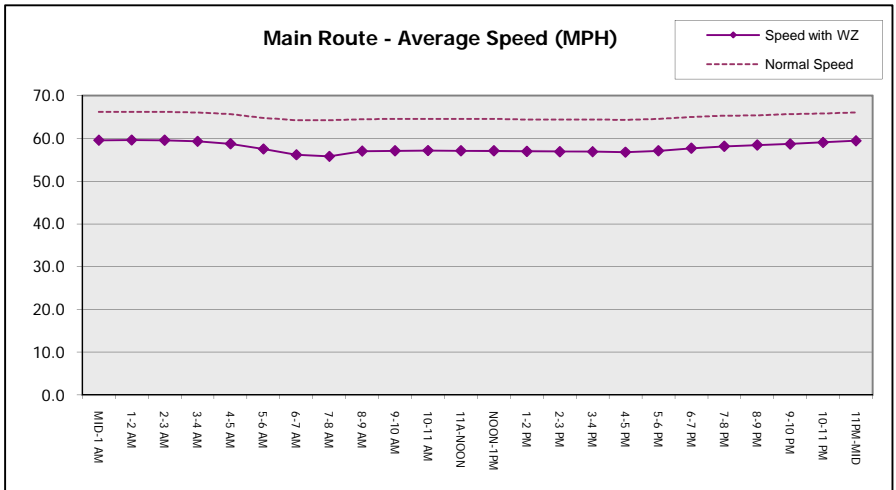
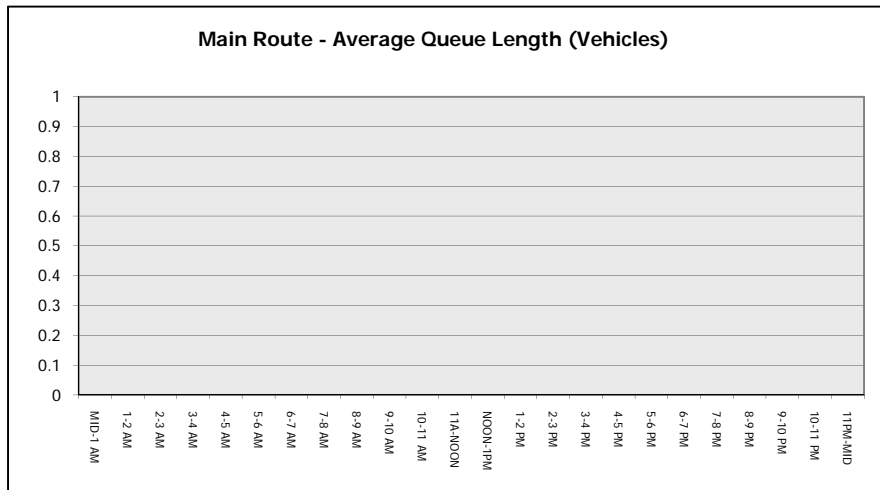
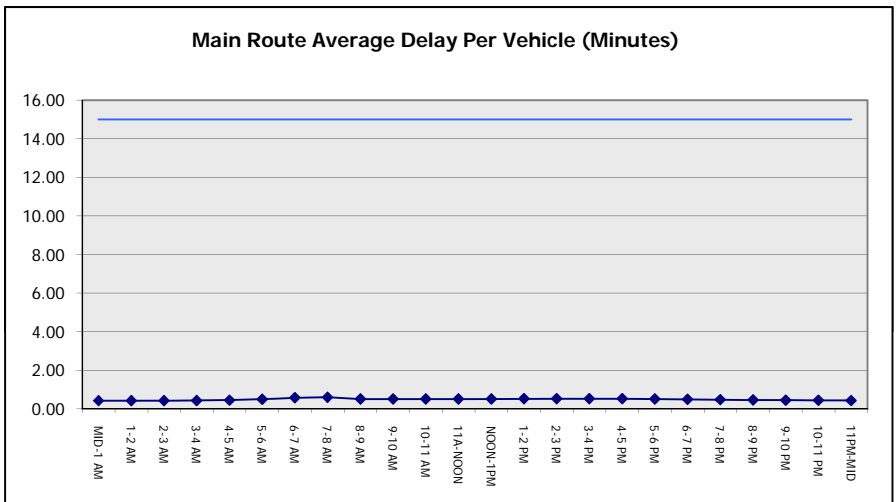
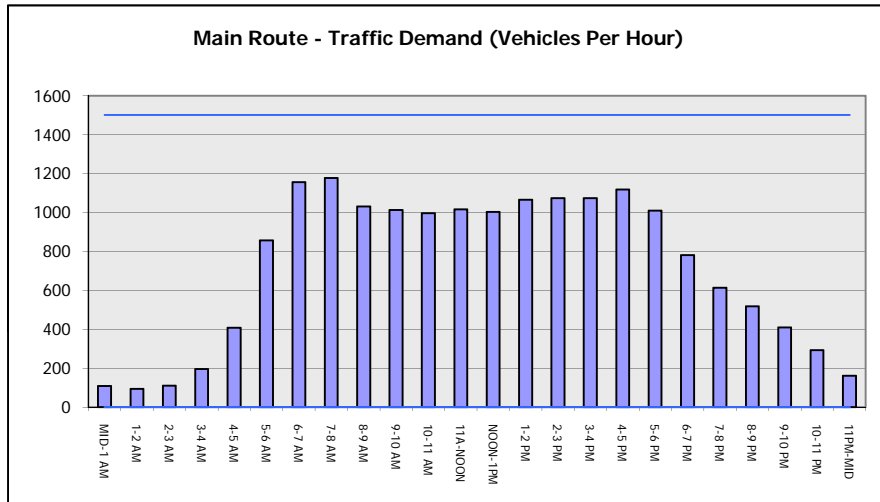
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,813
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
 Analyzed for 2009
 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	AUGUST
	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	192	0.0	50	0.0	1500	192	0	50	0.44	0	66.0	59.3	44.7	24.5	24.5
1-2 AM	132	0.0	35	0.0	1500	132	0	35	0.44	0	66.1	59.5	45.0	24.6	24.6
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	121	0.0	32	0.0	1500	121	0	32	0.43	0	66.1	59.6	45.0	24.6	24.6
4-5 AM	205	0.0	54	0.0	1500	205	0	54	0.44	0	66.0	59.3	44.6	24.4	24.4
5-6 AM	427	0.0	111	0.0	1500	427	0	111	0.46	0	65.6	58.7	43.8	24.0	24.0
6-7 AM	746	0.0	194	0.0	1500	746	0	194	0.49	0	65.0	57.8	42.6	23.3	23.3
7-8 AM	854	0.0	222	0.0	1500	854	0	222	0.51	0	64.8	57.5	42.2	23.2	23.2
8-9 AM	894	0.0	232	0.0	1500	894	0	232	0.51	0	64.7	57.4	42.0	23.0	23.0
9-10 AM	929	0.0	241	0.0	1500	929	0	241	0.51	0	64.6	57.3	41.9	23.0	23.0
10-11 AM	969	0.0	251	0.0	1500	969	0	251	0.52	0	64.6	57.2	41.8	22.9	22.9
11A-NOON	942	0.0	244	0.0	1500	942	0	244	0.51	0	64.6	57.3	41.9	23.0	23.0
NOON-1PM	950	0.0	246	0.0	1500	950	0	246	0.51	0	64.6	57.3	41.9	23.0	23.0
1-2 PM	1024	0.0	265	0.0	1500	1024	0	265	0.52	0	64.5	57.1	41.6	22.8	22.8
2-3 PM	1206	0.0	312	0.0	1500	1206	0	312	0.64	0	64.1	55.3	38.3	22.4	22.4
3-4 PM	1399	0.0	362	0.0	1500	1399	0	362	0.89	0	63.8	52.2	33.0	22.0	22.0
4-5 PM	1476	0.0	381	0.0	1500	1476	0	381	0.99	0	63.7	51.1	31.3	21.9	21.9
5-6 PM	1264	0.0	326	0.0	1500	1264	0	326	0.72	0	64.0	54.3	36.5	22.4	22.4
6-7 PM	864	0.0	222	0.0	1500	864	0	222	0.51	0	64.8	57.4	42.2	23.2	23.2
7-8 PM	651	0.0	168	0.0	1500	651	0	168	0.49	0	65.1	58.1	42.9	23.5	23.5
8-9 PM	563	0.0	145	0.0	1500	563	0	145	0.48	0	65.3	58.3	43.3	23.7	23.7
9-10 PM	442	0.0	114	0.0	1500	442	0	114	0.47	0	65.6	58.6	43.7	24.0	24.0
10-11 PM	384	0.0	99	0.0	1500	384	0	99	0.46	0	65.6	58.8	44.0	24.1	24.1
11PM-MID	270	0.0	70	0.0	1500	270	0	70	0.45	0	65.9	59.1	44.4	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	0.0116
MAIN ROUTE WITH WORKS	0.0105
DIVERSION	0.0408

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,050
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

AUGUST
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MON-THUR NORTHBOUND DIRECTION

