

**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
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	142	0.0	37	0.0	1500	142	0	37	0.44	0	66.1	59.5	44.9	24.5	24.5
1-2 AM	102	0.0	27	0.0	1500	102	0	27	0.43	0	66.2	59.6	45.1	24.7	24.7
2-3 AM	76	0.0	20	0.0	1500	76	0	20	0.43	0	66.3	59.7	45.2	24.7	24.7
3-4 AM	80	0.0	21	0.0	1500	80	0	21	0.43	0	66.3	59.6	45.1	24.7	24.7
4-5 AM	89	0.0	23	0.0	1500	89	0	23	0.43	0	66.2	59.6	45.1	24.7	24.7
5-6 AM	119	0.0	31	0.0	1500	119	0	31	0.43	0	66.1	59.6	45.0	24.6	24.6
6-7 AM	187	0.0	48	0.0	1500	187	0	48	0.44	0	66.0	59.4	44.7	24.5	24.5
7-8 AM	298	0.0	77	0.0	1500	298	0	77	0.45	0	65.8	59.0	44.3	24.2	24.2
8-9 AM	486	0.0	126	0.0	1500	486	0	126	0.47	0	65.5	58.5	43.5	23.8	23.8
9-10 AM	818	0.0	212	0.0	1500	818	0	212	0.50	0	64.8	57.6	42.4	23.2	23.2
10-11 AM	1170	0.0	303	0.0	1499	1170	0	303	0.62	0	64.2	55.7	39.1	22.5	22.5
11A-NOON	1491	0.0	386	0.0	1499	1491	0	386	1.17	5	63.6	49.4	31.4	21.9	21.9
NOON-1PM	1582	0.0	410	0.0	1500	1582	0	410	2.97	55	63.5	36.6	30.8	21.7	21.7
1-2 PM	1727	0.0	448	0.0	1500	1727	0	448	8.36	209	63.2	20.7	30.8	21.4	21.4
2-3 PM	1830	0.0	475	0.0	1500	1717	113	587	17.91	463	63.0	11.7	30.8	21.2	20.4
3-4 PM	1957	0.0	506	0.0	1499	1555	401	908	22.45	579	62.7	10.0	30.8	20.9	18.1
4-5 PM	2042	0.0	529	0.0	1500	1528	514	1043	24.13	625	62.6	9.7	30.8	20.8	17.2
5-6 PM	1892	0.0	490	0.0	1499	1427	465	955	23.03	595	62.8	9.9	30.8	21.1	17.8
6-7 PM	1620	0.0	420	0.0	1500	1404	216	636	19.66	504	63.3	10.9	30.8	21.6	20.0
7-8 PM	1308	0.0	339	0.0	1499	1303	5	344	15.17	387	64.0	13.4	30.8	22.2	22.2
8-9 PM	828	0.0	214	0.0	1500	828	0	214	1.84	61	64.8	44.3	41.5	23.2	23.2
9-10 PM	501	0.0	130	0.0	1500	501	0	130	0.47	0	65.5	58.4	43.5	23.8	23.8
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	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 (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	0.0142
MAIN ROUTE WITH WORKS	0.0118
DIVERSION	0.0659

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

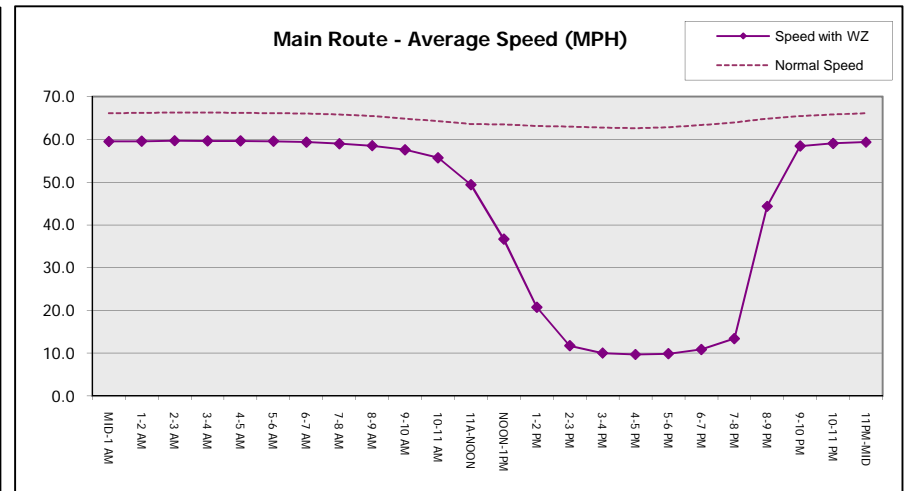
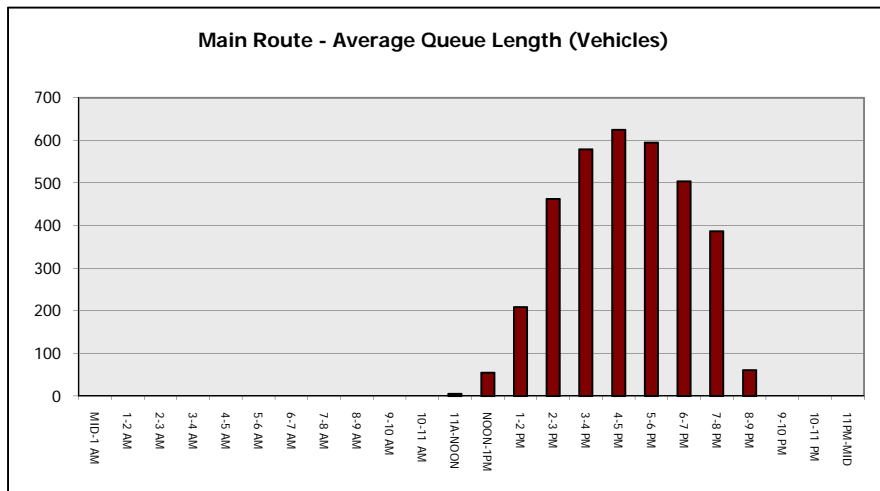
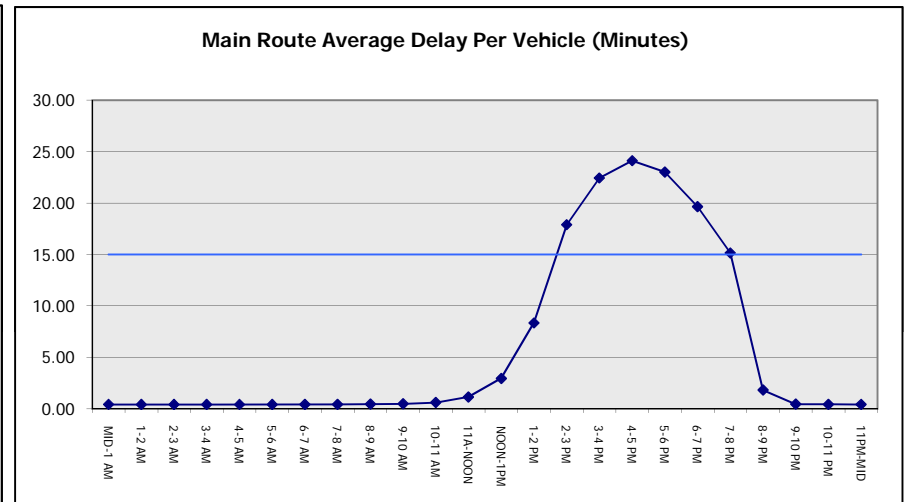
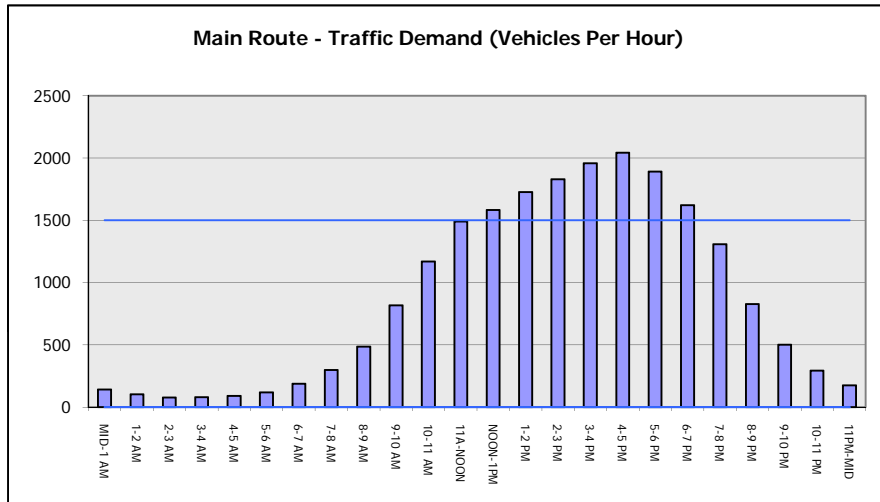
ROAD USER COSTS PER DAY (DOLLARS)	\$73,230
CONGESTED HOURS PER DAY*	6

*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
SUNDAY 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

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	168	0.0	43	0.0	1500	168	0	43	0.44	0	66.1	59.4	44.8	24.5	24.5
1-2 AM	101	0.0	26	0.0	1500	101	0	26	0.43	0	66.2	59.6	45.1	24.7	24.7
2-3 AM	76	0.0	20	0.0	1500	76	0	20	0.43	0	66.3	59.7	45.2	24.7	24.7
3-4 AM	70	0.0	18	0.0	1500	70	0	18	0.43	0	66.3	59.7	45.2	24.7	24.7
4-5 AM	75	0.0	20	0.0	1500	75	0	20	0.43	0	66.3	59.7	45.2	24.7	24.7
5-6 AM	161	0.0	41	0.0	1500	161	0	41	0.44	0	66.1	59.4	44.8	24.5	24.5
6-7 AM	230	0.0	60	0.0	1500	230	0	60	0.44	0	66.0	59.2	44.6	24.4	24.4
7-8 AM	426	0.0	110	0.0	1500	426	0	110	0.46	0	65.6	58.7	43.8	24.0	24.0
8-9 AM	649	0.0	168	0.0	1500	649	0	168	0.49	0	65.2	58.1	43.0	23.5	23.5
9-10 AM	729	0.0	188	0.0	1500	729	0	188	0.49	0	65.0	57.8	42.7	23.4	23.4
10-11 AM	922	0.0	239	0.0	1500	922	0	239	0.51	0	64.6	57.3	42.0	23.0	23.0
11A-NOON	1060	0.0	275	0.0	1500	1060	0	275	0.52	0	64.4	56.9	41.5	22.7	22.7
NOON-1PM	1065	0.0	276	0.0	1500	1065	0	276	0.53	0	64.4	56.9	41.4	22.7	22.7
1-2 PM	1054	0.0	273	0.0	1500	1054	0	273	0.52	0	64.4	56.9	41.5	22.7	22.7
2-3 PM	1080	0.0	280	0.0	1500	1080	0	280	0.53	0	64.4	56.9	41.4	22.7	22.7
3-4 PM	1146	0.0	296	0.0	1500	1146	0	296	0.57	0	64.3	56.3	40.2	22.5	22.5
4-5 PM	1116	0.0	289	0.0	1500	1116	0	289	0.53	0	64.3	56.8	41.3	22.6	22.6
5-6 PM	989	0.0	256	0.0	1500	989	0	256	0.52	0	64.5	57.1	41.7	22.9	22.9
6-7 PM	868	0.0	224	0.0	1500	868	0	224	0.51	0	64.8	57.4	42.2	23.1	23.1
7-8 PM	675	0.0	175	0.0	1500	675	0	175	0.49	0	65.1	58.0	42.8	23.5	23.5
8-9 PM	505	0.0	131	0.0	1500	505	0	131	0.47	0	65.5	58.4	43.5	23.8	23.8
9-10 PM	345	0.0	90	0.0	1500	345	0	90	0.46	0	65.8	58.9	44.1	24.2	24.2
10-11 PM	237	0.0	62	0.0	1500	237	0	62	0.45	0	66.0	59.2	44.5	24.3	24.3
11PM-MID	189	0.0	49	0.0	1500	189	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	0.0095
MAIN ROUTE WITH WORKS	0.0086
DIVERSION	0.0335

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,108
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
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SUNDAY NORTHBOUND DIRECTION

