

**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**

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	199	0.0	51	0.0	1500	199	0	51	0.44	0	66.0	59.3	44.7	24.5	24.5
1-2 AM	112	0.0	29	0.0	1500	112	0	29	0.43	0	66.2	59.6	45.0	24.6	24.6
2-3 AM	82	0.0	22	0.0	1500	82	0	22	0.43	0	66.3	59.6	45.1	24.7	24.7
3-4 AM	94	0.0	25	0.0	1500	94	0	25	0.43	0	66.2	59.6	45.1	24.7	24.7
4-5 AM	143	0.0	37	0.0	1500	143	0	37	0.44	0	66.1	59.5	44.9	24.5	24.5
5-6 AM	237	0.0	61	0.0	1500	237	0	61	0.45	0	66.0	59.2	44.5	24.3	24.3
6-7 AM	329	0.0	85	0.0	1500	329	0	85	0.45	0	65.8	58.9	44.2	24.2	24.2
7-8 AM	514	0.0	133	0.0	1500	514	0	133	0.47	0	65.5	58.4	43.5	23.8	23.8
8-9 AM	797	0.0	207	0.0	1500	797	0	207	0.50	0	64.9	57.6	42.4	23.2	23.2
9-10 AM	1025	0.0	266	0.0	1500	1025	0	266	0.52	0	64.5	57.0	41.6	22.8	22.8
10-11 AM	1229	0.0	318	0.0	1500	1229	0	318	0.67	0	64.1	54.9	37.6	22.4	22.4
11A-NOON	1364	0.0	353	0.0	1500	1364	0	353	0.85	0	63.8	52.8	33.8	22.1	22.1
NOON-1PM	1306	0.0	339	0.0	1500	1306	0	339	0.77	0	64.0	53.7	35.3	22.2	22.2
1-2 PM	1396	0.0	361	0.0	1500	1396	0	361	0.89	0	63.8	52.3	33.1	22.0	22.0
2-3 PM	1367	0.0	354	0.0	1500	1367	0	354	0.85	0	63.8	52.7	33.8	22.1	22.1
3-4 PM	1273	0.0	330	0.0	1500	1273	0	330	0.73	0	64.0	54.2	36.3	22.3	22.3
4-5 PM	1224	0.0	317	0.0	1500	1224	0	317	0.67	0	64.1	55.0	37.7	22.4	22.4
5-6 PM	1073	0.0	278	0.0	1500	1073	0	278	0.53	0	64.4	56.9	41.4	22.7	22.7
6-7 PM	844	0.0	219	0.0	1500	844	0	219	0.50	0	64.8	57.5	42.2	23.2	23.2
7-8 PM	763	0.0	198	0.0	1500	763	0	198	0.50	0	65.0	57.8	42.5	23.3	23.3
8-9 PM	705	0.0	182	0.0	1500	705	0	182	0.49	0	65.1	57.9	42.7	23.4	23.4
9-10 PM	575	0.0	149	0.0	1500	575	0	149	0.48	0	65.3	58.2	43.2	23.7	23.7
10-11 PM	483	0.0	126	0.0	1500	483	0	126	0.47	0	65.5	58.5	43.6	23.8	23.8
11PM-MID	518	0.0	134	0.0	1500	518	0	134	0.47	0	65.4	58.4	43.4	23.8	23.8

*----- 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	0.0121
MAIN ROUTE WITH WORKS	0.0109
DIVERSION	0.0424

PIA: Personal Injury Accidents

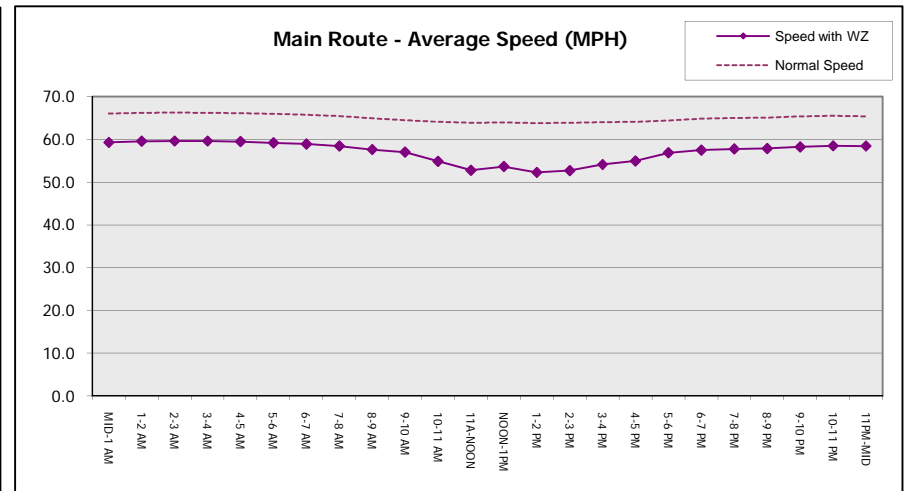
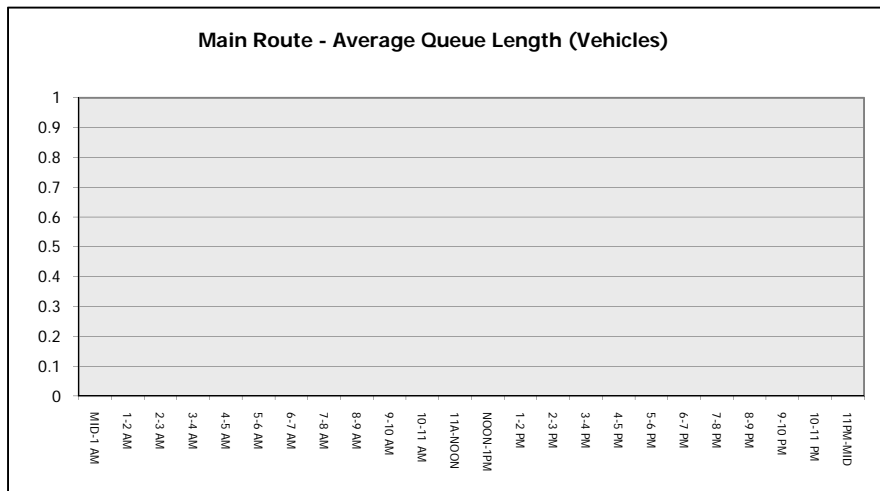
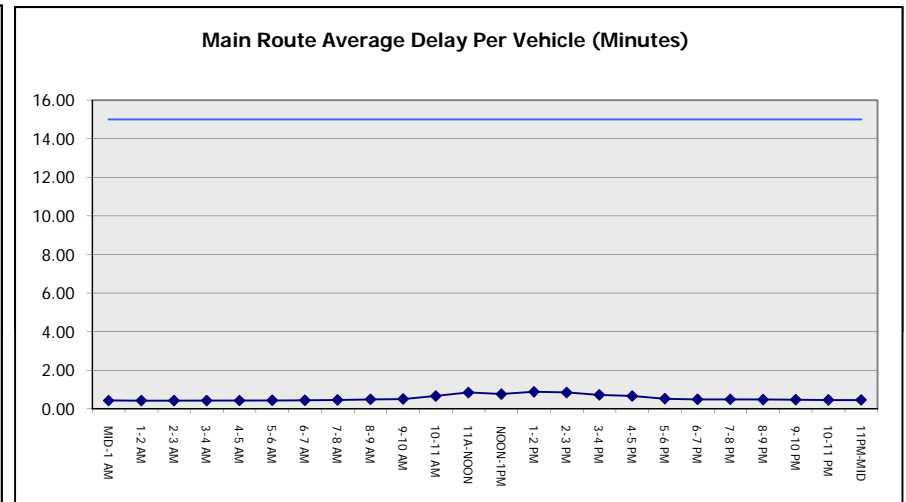
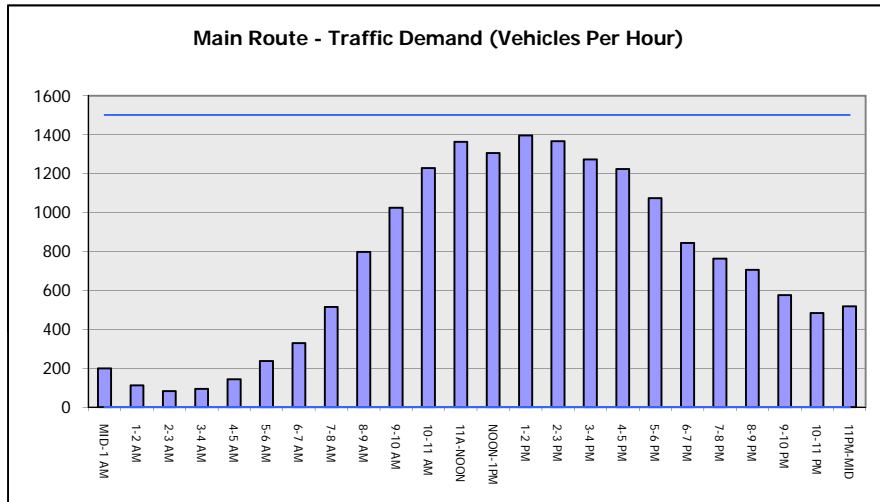
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$3,112
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**AUGUST**  
 Analyzed for 2009  
 Construction Season

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



<b>USH 41: STH 67 TO STH 60 (WASHINGTON AND DODGE COUNTIES)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: CTH K - STH 175 - STH 33</b>	<b>AUGUST</b>
	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	299	0.0	77	0.0	1500	299	0	77	0.45	0	65.8	59.0	44.3	24.2	24.2
1-2 AM	175	0.0	45	0.0	1500	175	0	45	0.44	0	66.1	59.4	44.8	24.5	24.5
2-3 AM	130	0.0	34	0.0	1500	130	0	34	0.44	0	66.1	59.5	45.0	24.6	24.6
3-4 AM	112	0.0	29	0.0	1500	112	0	29	0.43	0	66.2	59.6	45.0	24.6	24.6
4-5 AM	127	0.0	33	0.0	1500	127	0	33	0.43	0	66.1	59.5	45.0	24.6	24.6
5-6 AM	236	0.0	61	0.0	1500	236	0	61	0.45	0	66.0	59.2	44.5	24.3	24.3
6-7 AM	482	0.0	125	0.0	1500	482	0	125	0.47	0	65.5	58.5	43.6	23.9	23.9
7-8 AM	787	0.0	204	0.0	1500	787	0	204	0.50	0	64.9	57.7	42.4	23.3	23.3
8-9 AM	1137	0.0	294	0.0	1499	1137	0	294	0.59	0	64.3	56.0	39.6	22.6	22.6
9-10 AM	1459	0.0	378	0.0	1499	1459	0	378	1.04	2	63.7	50.7	31.9	21.9	21.9
10-11 AM	1621	0.0	420	0.0	1500	1621	0	420	3.28	65	63.3	35.1	30.8	21.6	21.6
11A-NOON	1597	0.0	414	0.0	1499	1597	0	414	7.74	183	63.4	21.9	30.8	21.7	21.7
NOON-1PM	1472	0.0	382	0.0	1499	1472	0	382	9.21	220	63.7	19.4	30.8	21.9	21.9
1-2 PM	1349	0.0	350	0.0	1499	1349	0	350	5.49	127	63.9	27.1	31.2	22.2	22.2
2-3 PM	1358	0.0	352	0.0	1500	1358	0	352	1.15	9	63.8	49.7	33.6	22.2	22.2
3-4 PM	1254	0.0	325	0.0	1500	1254	0	325	0.71	0	64.0	54.5	36.8	22.4	22.4
4-5 PM	1309	0.0	339	0.0	1500	1309	0	339	0.78	0	64.0	53.6	35.3	22.2	22.2
5-6 PM	957	0.0	248	0.0	1500	957	0	248	0.51	0	64.6	57.2	41.9	22.9	22.9
6-7 PM	806	0.0	209	0.0	1500	806	0	209	0.50	0	64.9	57.6	42.4	23.2	23.2
7-8 PM	697	0.0	180	0.0	1500	697	0	180	0.49	0	65.1	57.9	42.8	23.5	23.5
8-9 PM	630	0.0	164	0.0	1500	630	0	164	0.48	0	65.2	58.1	43.0	23.6	23.6
9-10 PM	625	0.0	162	0.0	1500	625	0	162	0.48	0	65.2	58.1	43.0	23.6	23.6
10-11 PM	555	0.0	144	0.0	1500	555	0	144	0.48	0	65.3	58.3	43.3	23.7	23.7
11PM-MID	323	0.0	83	0.0	1500	323	0	83	0.45	0	65.8	58.9	44.2	24.2	24.2

*----- 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	0.0133
MAIN ROUTE WITH WORKS	0.0121
DIVERSION	0.0469

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$13,112
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

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**SATURDAY NORTHBOUND DIRECTION**

