

**USH 41: STH 67 TO STH 60 (WASHINGTON AND DODGE COUNTIES)  
OFF-PEAK DAY CLOSURE  
DIVERSION ROUTE: CTH K - STH 175 - STH 33**

**AUGUST**  
Analyzed for 2009  
Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**  
FRIDAY 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	209	0.0	55	0.0	OFF	209	0	55	0.00	0	66.0	66.0	66.0	24.4	24.4
1-2 AM	105	0.0	28	0.0	OFF	105	0	28	0.00	0	66.2	66.2	66.2	24.7	24.7
2-3 AM	116	0.0	30	0.0	OFF	116	0	30	0.00	0	66.2	66.2	66.2	24.6	24.6
3-4 AM	154	0.0	40	0.0	OFF	154	0	40	0.00	0	66.1	66.1	66.1	24.5	24.5
4-5 AM	301	0.0	78	0.0	OFF	301	0	78	0.00	0	65.8	65.8	65.8	24.2	24.2
5-6 AM	665	0.0	172	0.0	OFF	665	0	172	0.00	0	65.1	65.1	65.1	23.5	23.5
6-7 AM	987	0.0	255	0.0	OFF	987	0	255	0.00	0	64.5	64.5	64.5	22.9	22.9
7-8 AM	1052	0.0	273	0.0	OFF	1052	0	273	0.00	0	64.4	64.4	64.4	22.7	22.7
8-9 AM	957	0.0	248	0.0	OFF	957	0	248	0.00	0	64.6	64.6	64.6	22.9	22.9
9-10 AM	1008	0.0	261	0.0	1500	1008	0	261	0.52	0	64.5	57.1	41.7	22.9	22.9
10-11 AM	1063	0.0	276	0.0	1500	1063	0	276	0.53	0	64.4	56.9	41.5	22.7	22.7
11A-NOON	1143	0.0	296	0.0	1500	1143	0	296	0.56	0	64.3	56.4	40.4	22.5	22.5
NOON-1PM	1153	0.0	299	0.0	1500	1153	0	299	0.58	0	64.2	56.2	40.0	22.5	22.5
1-2 PM	1221	0.0	316	0.0	1500	1221	0	316	0.66	0	64.1	55.0	37.8	22.4	22.4
2-3 PM	1303	0.0	338	0.0	1500	1303	0	338	0.77	0	64.0	53.7	35.4	22.2	22.2
3-4 PM	1350	0.0	350	0.0	1500	1350	0	350	0.83	0	63.8	53.0	34.2	22.2	22.2
4-5 PM	1367	0.0	354	0.0	OFF	1367	0	354	0.00	0	63.8	63.8	63.8	22.1	22.1
5-6 PM	1337	0.0	346	0.0	OFF	1337	0	346	0.00	0	63.9	63.9	63.9	22.2	22.2
6-7 PM	995	0.0	258	0.0	OFF	995	0	258	0.00	0	64.5	64.5	64.5	22.9	22.9
7-8 PM	775	0.0	201	0.0	OFF	775	0	201	0.00	0	65.0	65.0	65.0	23.3	23.3
8-9 PM	604	0.0	156	0.0	OFF	604	0	156	0.00	0	65.3	65.3	65.3	23.7	23.7
9-10 PM	499	0.0	130	0.0	OFF	499	0	130	0.00	0	65.5	65.5	65.5	23.8	23.8
10-11 PM	370	0.0	96	0.0	OFF	370	0	96	0.00	0	65.7	65.7	65.7	24.1	24.1
11PM-MID	254	0.0	66	0.0	OFF	254	0	66	0.00	0	65.9	65.9	65.9	24.3	24.3

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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		0.0130
MAIN ROUTE WITH WORKS		0.0125
DIVERSION		0.0457

PIA: Personal Injury Accidents

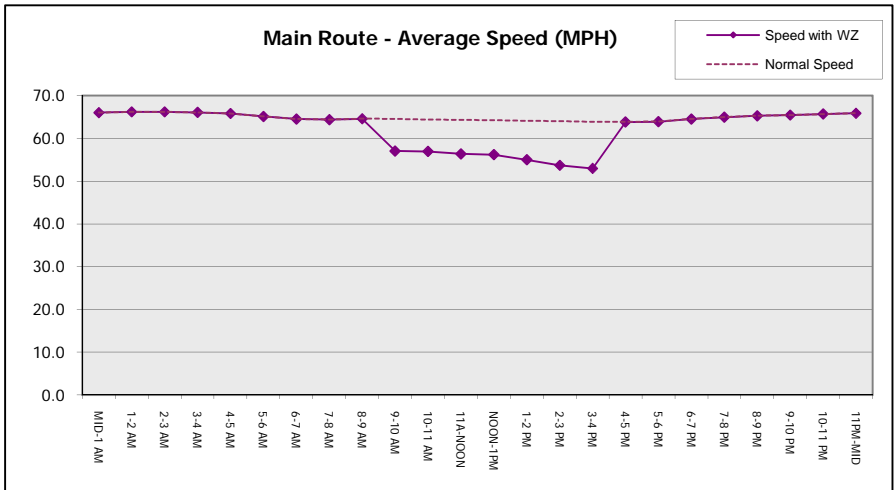
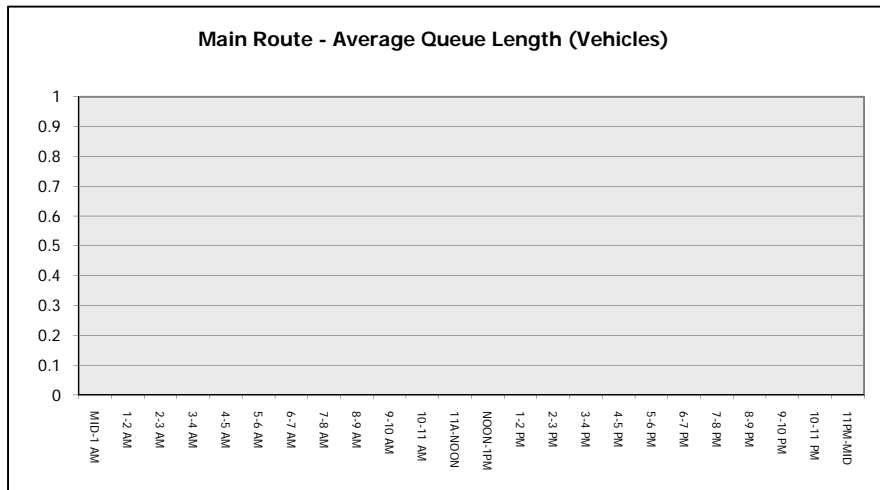
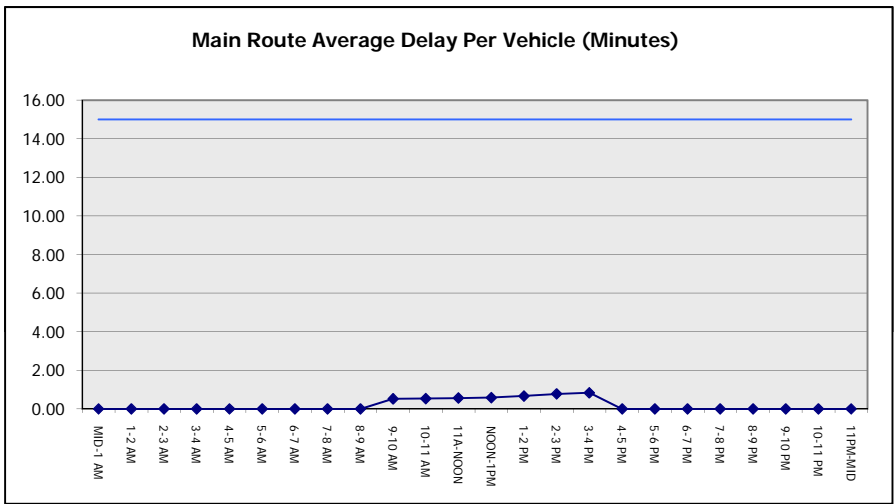
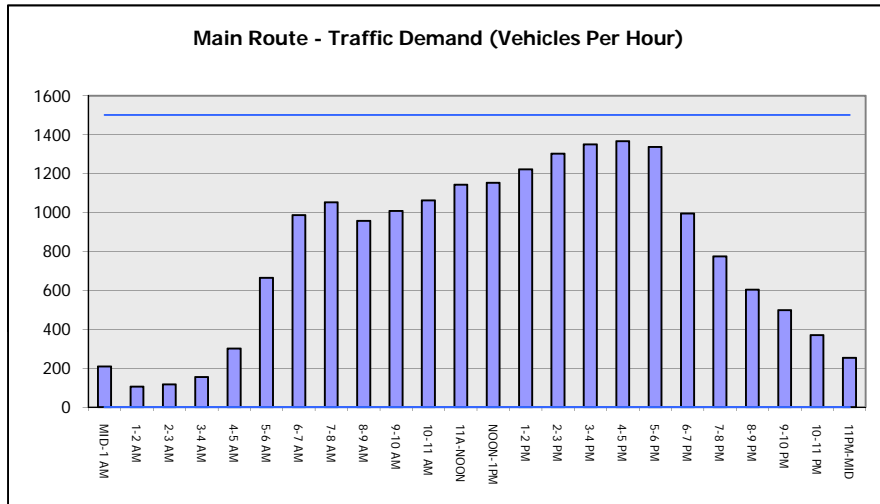
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,075
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**DIVERSION ROUTE: CTH K - STH 175 - STH 33**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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



<b>USH 41: STH 67 TO STH 60 (WASHINGTON AND DODGE COUNTIES)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>DIVERSION ROUTE: CTH K - STH 175 - STH 33</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
FRIDAY	NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							TOTAL			AVERAGE SPEEDS IN MPH				
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	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	210	0.0	55	0.0	OFF	210	0	55	0.00	0	66.0	66.0	66.0	24.4	24.4
1-2 AM	161	0.0	42	0.0	OFF	161	0	42	0.00	0	66.1	66.1	66.1	24.5	24.5
2-3 AM	130	0.0	34	0.0	OFF	130	0	34	0.00	0	66.1	66.1	66.1	24.6	24.6
3-4 AM	136	0.0	35	0.0	OFF	136	0	35	0.00	0	66.1	66.1	66.1	24.6	24.6
4-5 AM	203	0.0	53	0.0	OFF	203	0	53	0.00	0	66.0	66.0	66.0	24.5	24.5
5-6 AM	397	0.0	103	0.0	OFF	397	0	103	0.00	0	65.6	65.6	65.6	24.0	24.0
6-7 AM	718	0.0	186	0.0	OFF	718	0	186	0.00	0	65.0	65.0	65.0	23.4	23.4
7-8 AM	933	0.0	242	0.0	OFF	933	0	242	0.00	0	64.6	64.6	64.6	23.0	23.0
8-9 AM	1045	0.0	271	0.0	OFF	1045	0	271	0.00	0	64.5	64.5	64.5	22.8	22.8
9-10 AM	1242	0.0	322	0.0	1500	1242	0	322	0.69	0	64.1	54.6	37.1	22.4	22.4
10-11 AM	1416	0.0	366	0.0	1500	1416	0	366	0.92	0	63.8	52.0	32.6	22.0	22.0
11A-NOON	1426	0.0	370	0.0	1499	1426	0	370	0.93	0	63.7	51.9	32.4	22.0	22.0
NOON-1PM	1602	0.0	415	0.0	1499	1602	0	415	2.44	42	63.4	39.6	30.8	21.7	21.7
1-2 PM	1707	0.0	442	0.0	1500	1707	0	442	7.88	194	63.2	21.5	30.8	21.4	21.4
2-3 PM	1932	0.0	500	0.0	1500	1784	148	649	<b>18.18</b>	475	62.8	11.7	30.8	21.0	19.9
3-4 PM	2227	0.0	578	0.0	1499	1647	581	1158	<b>25.75</b>	670	62.2	9.4	30.8	20.4	16.5
4-5 PM	2438	0.0	632	0.0	OFF	2438	0	632	3.21	174	61.5	34.8	34.8	20.0	20.0
5-6 PM	2400	0.0	622	0.0	OFF	2400	0	622	0.00	0	61.9	61.9	61.9	20.1	20.1
6-7 PM	1958	0.0	508	0.0	OFF	1958	0	508	0.00	0	62.7	62.7	62.7	20.9	20.9
7-8 PM	1447	0.0	375	0.0	OFF	1447	0	375	0.00	0	63.7	63.7	63.7	22.0	22.0
8-9 PM	1052	0.0	273	0.0	OFF	1052	0	273	0.00	0	64.4	64.4	64.4	22.7	22.7
9-10 PM	806	0.0	209	0.0	OFF	806	0	209	0.00	0	64.9	64.9	64.9	23.2	23.2
10-11 PM	769	0.0	199	0.0	OFF	769	0	199	0.00	0	65.0	65.0	65.0	23.3	23.3
11PM-MID	526	0.0	136	0.0	OFF	526	0	136	0.00	0	65.4	65.4	65.4	23.8	23.8

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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	0.0184
MAIN ROUTE WITH WORKS	0.0172
DIVERSION	0.0714

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$24,456
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding 15 Minutes

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**AUGUST**  
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**FRIDAY NORTHBOUND DIRECTION**

