

<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**

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	442	0.0	114	0.0	1500	442	0	114	0.47	0	65.6	58.6	43.7	24.0	24.0
1-2 AM	260	0.0	68	0.0	1500	260	0	68	0.45	0	65.9	59.1	44.5	24.3	24.3
2-3 AM	93	0.0	24	0.0	1500	93	0	24	0.43	0	66.2	59.6	45.1	24.7	24.7
3-4 AM	81	0.0	21	0.0	1500	81	0	21	0.43	0	66.3	59.6	45.1	24.7	24.7
4-5 AM	96	0.0	25	0.0	1500	96	0	25	0.43	0	66.2	59.6	45.1	24.7	24.7
5-6 AM	126	0.0	32	0.0	1500	126	0	32	0.43	0	66.1	59.5	45.0	24.6	24.6
6-7 AM	186	0.0	48	0.0	1500	186	0	48	0.44	0	66.0	59.4	44.7	24.5	24.5
7-8 AM	321	0.0	83	0.0	1500	321	0	83	0.45	0	65.8	58.9	44.2	24.2	24.2
8-9 AM	601	0.0	155	0.0	1500	601	0	155	0.48	0	65.3	58.2	43.1	23.7	23.7
9-10 AM	1030	0.0	267	0.0	1499	1030	0	267	0.54	0	64.5	56.8	41.0	22.8	22.8
10-11 AM	1579	0.0	409	0.0	1499	1579	0	409	1.73	23	63.5	44.5	31.1	21.7	21.7
11A-NOON	1903	0.0	493	0.0	1500	1903	0	493	10.48	284	62.8	17.7	30.8	21.1	21.1
NOON-1PM	1935	0.0	501	0.0	1499	1595	340	841	21.70	559	62.8	10.2	30.8	21.0	18.5
1-2 PM	2087	0.0	540	0.0	1500	1568	519	1060	24.36	631	62.5	9.6	30.8	20.7	17.1
2-3 PM	2132	0.0	552	0.0	1499	1517	615	1166	25.86	672	62.4	9.4	30.8	20.6	16.5
3-4 PM	2074	0.0	537	0.0	1499	1482	592	1129	25.32	657	62.5	9.4	30.8	20.7	16.7
4-5 PM	2349	0.0	608	0.0	1500	1631	718	1326+	28.44	743	62.0	8.9	30.8	20.2	15.5
5-6 PM	2078	0.0	538	0.0	1499	1350	728	1267+	27.48	716	62.5	9.1	30.8	20.7	15.8
6-7 PM	1786	0.0	462	0.0	1500	1372	413	876	22.12	571	63.0	10.1	30.8	21.3	18.3
7-8 PM	1462	0.0	379	0.0	1500	1386	76	455	17.89	456	63.7	11.7	30.8	21.9	21.4
8-9 PM	1115	0.0	289	0.0	1499	1115	0	289	8.00	231	64.3	21.5	34.3	22.6	22.6
9-10 PM	676	0.0	175	0.0	1500	676	0	175	0.49	0	65.1	57.9	42.8	23.5	23.5
10-11 PM	384	0.0	100	0.0	1500	384	0	100	0.46	0	65.6	58.8	44.0	24.1	24.1
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

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- 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	0.0171
MAIN ROUTE WITH WORKS	0.0130
DIVERSION	0.0972

PIA: Personal Injury Accidents

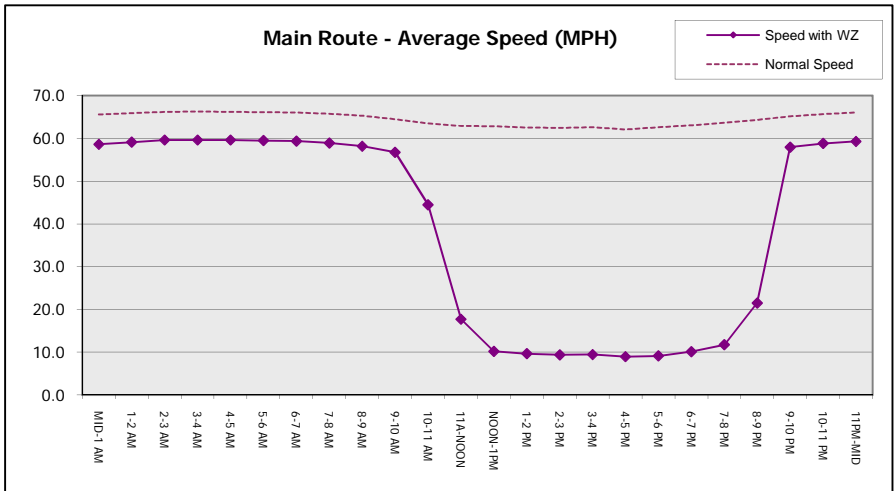
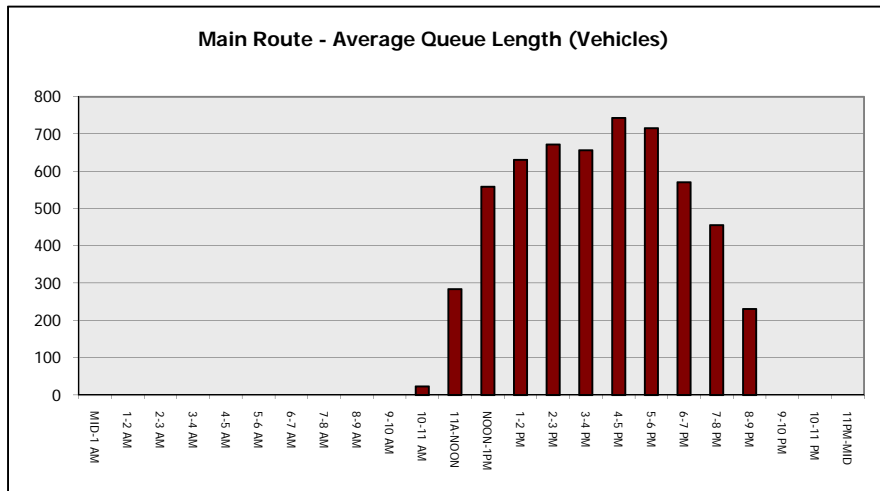
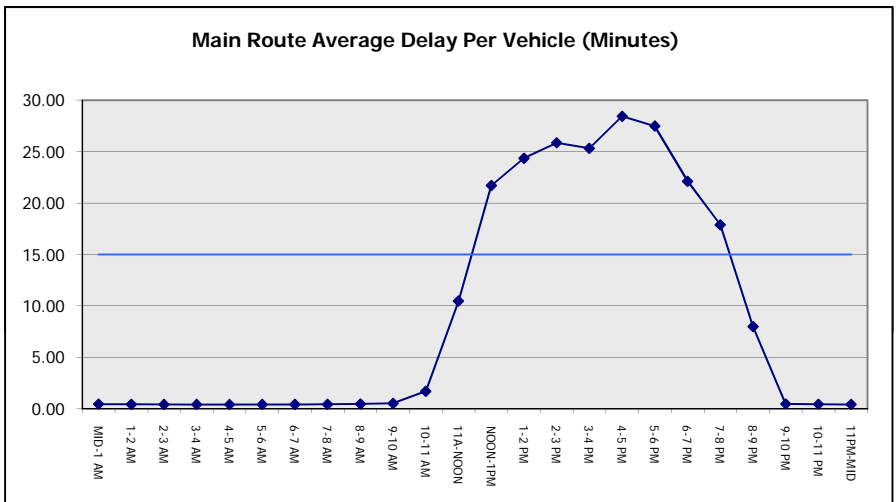
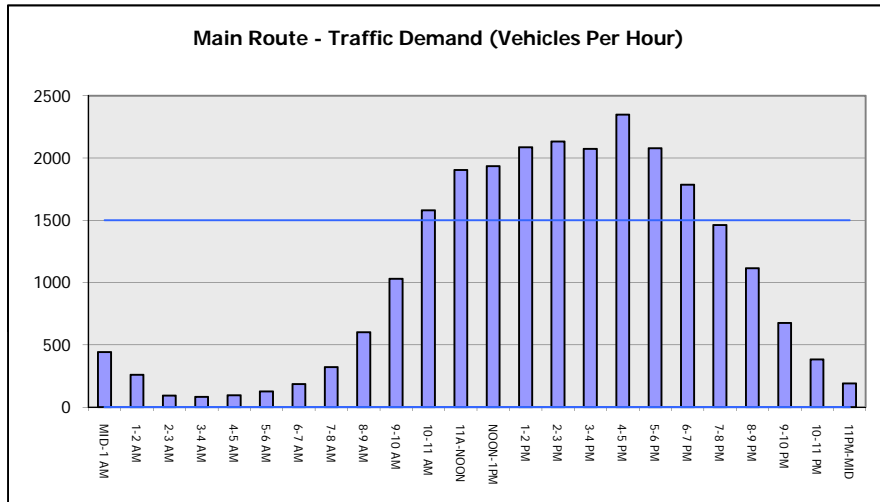
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$130,330
CONGESTED HOURS PER DAY*	8

\*Delays Exceeding 15 Minutes

**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

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY 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**

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	204	0.0	53	0.0	1500	204	0	53	0.44	0	66.0	59.3	44.6	24.5	24.5
1-2 AM	138	0.0	36	0.0	1500	138	0	36	0.44	0	66.1	59.5	45.0	24.6	24.6
2-3 AM	79	0.0	21	0.0	1500	79	0	21	0.43	0	66.3	59.6	45.1	24.7	24.7
3-4 AM	61	0.0	15	0.0	1500	61	0	15	0.43	0	66.3	59.7	45.3	24.7	24.7
4-5 AM	67	0.0	18	0.0	1500	67	0	18	0.43	0	66.3	59.7	45.2	24.7	24.7
5-6 AM	102	0.0	27	0.0	1500	102	0	27	0.43	0	66.2	59.6	45.1	24.7	24.7
6-7 AM	207	0.0	54	0.0	1500	207	0	54	0.44	0	66.0	59.3	44.6	24.4	24.4
7-8 AM	351	0.0	91	0.0	1500	351	0	91	0.46	0	65.7	58.9	44.1	24.2	24.2
8-9 AM	554	0.0	143	0.0	1500	554	0	143	0.48	0	65.3	58.3	43.3	23.7	23.7
9-10 AM	791	0.0	205	0.0	1500	791	0	205	0.50	0	64.9	57.7	42.4	23.3	23.3
10-11 AM	1062	0.0	275	0.0	1500	1062	0	275	0.53	0	64.4	56.9	41.5	22.7	22.7
11A-NOON	1142	0.0	295	0.0	1500	1142	0	295	0.56	0	64.3	56.4	40.4	22.6	22.6
NOON-1PM	1078	0.0	279	0.0	1500	1078	0	279	0.53	0	64.4	56.9	41.4	22.7	22.7
1-2 PM	1056	0.0	274	0.0	1500	1056	0	274	0.52	0	64.4	56.9	41.5	22.7	22.7
2-3 PM	1061	0.0	275	0.0	1500	1061	0	275	0.52	0	64.4	56.9	41.5	22.7	22.7
3-4 PM	1049	0.0	272	0.0	1500	1049	0	272	0.52	0	64.5	56.9	41.5	22.7	22.7
4-5 PM	1178	0.0	305	0.0	1500	1178	0	305	0.61	0	64.2	55.8	39.2	22.5	22.5
5-6 PM	1221	0.0	316	0.0	1500	1221	0	316	0.66	0	64.1	55.0	37.8	22.4	22.4
6-7 PM	1083	0.0	281	0.0	1500	1083	0	281	0.53	0	64.4	56.9	41.4	22.7	22.7
7-8 PM	815	0.0	211	0.0	1500	815	0	211	0.50	0	64.9	57.6	42.4	23.2	23.2
8-9 PM	686	0.0	177	0.0	1500	686	0	177	0.49	0	65.1	57.9	42.8	23.5	23.5
9-10 PM	502	0.0	130	0.0	1500	502	0	130	0.47	0	65.5	58.4	43.5	23.8	23.8
10-11 PM	397	0.0	103	0.0	1500	397	0	103	0.46	0	65.6	58.7	43.9	24.0	24.0
11PM-MID	273	0.0	71	0.0	1500	273	0	71	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	0.0104
MAIN ROUTE WITH WORKS	0.0094
DIVERSION	0.0364

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,460
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

**AUGUST**  
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 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY NORTHBOUND DIRECTION**

