

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

OCTOBER
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	113	0.0	29	0.0	1500	113	0	29	0.43	0	66.2	59.6	45.0	24.6	24.6
1-2 AM	87	0.0	23	0.0	1500	87	0	23	0.43	0	66.2	59.6	45.1	24.7	24.7
2-3 AM	108	0.0	28	0.0	1500	108	0	28	0.43	0	66.2	59.6	45.1	24.7	24.7
3-4 AM	145	0.0	38	0.0	1500	145	0	38	0.44	0	66.1	59.4	44.9	24.5	24.5
4-5 AM	277	0.0	72	0.0	1500	277	0	72	0.45	0	65.9	59.1	44.4	24.3	24.3
5-6 AM	696	0.0	180	0.0	OFF	696	0	180	0.00	0	65.1	65.1	65.1	23.5	23.5
6-7 AM	1073	0.0	278	0.0	OFF	1073	0	278	0.00	0	64.4	64.4	64.4	22.7	22.7
7-8 AM	1065	0.0	276	0.0	OFF	1065	0	276	0.00	0	64.4	64.4	64.4	22.7	22.7
8-9 AM	922	0.0	239	0.0	OFF	922	0	239	0.00	0	64.6	64.6	64.6	23.0	23.0
9-10 AM	930	0.0	241	0.0	OFF	930	0	241	0.00	0	64.6	64.6	64.6	23.0	23.0
10-11 AM	933	0.0	242	0.0	OFF	933	0	242	0.00	0	64.6	64.6	64.6	23.0	23.0
11A-NOON	1025	0.0	266	0.0	OFF	1025	0	266	0.00	0	64.5	64.5	64.5	22.8	22.8
NOON-1PM	1079	0.0	280	0.0	OFF	1079	0	280	0.00	0	64.4	64.4	64.4	22.7	22.7
1-2 PM	1137	0.0	294	0.0	OFF	1137	0	294	0.00	0	64.3	64.3	64.3	22.6	22.6
2-3 PM	1243	0.0	322	0.0	OFF	1243	0	322	0.00	0	64.1	64.1	64.1	22.4	22.4
3-4 PM	1246	0.0	323	0.0	OFF	1246	0	323	0.00	0	64.1	64.1	64.1	22.4	22.4
4-5 PM	1340	0.0	347	0.0	OFF	1340	0	347	0.00	0	63.9	63.9	63.9	22.2	22.2
5-6 PM	1257	0.0	325	0.0	OFF	1257	0	325	0.00	0	64.0	64.0	64.0	22.4	22.4
6-7 PM	1003	0.0	259	0.0	OFF	1003	0	259	0.00	0	64.5	64.5	64.5	22.9	22.9
7-8 PM	739	0.0	191	0.0	1500	739	0	191	0.49	0	65.0	57.8	42.6	23.3	23.3
8-9 PM	524	0.0	136	0.0	1500	524	0	136	0.47	0	65.4	58.4	43.4	23.8	23.8
9-10 PM	437	0.0	113	0.0	1500	437	0	113	0.46	0	65.6	58.6	43.7	24.0	24.0
10-11 PM	288	0.0	75	0.0	1500	288	0	75	0.45	0	65.8	59.1	44.3	24.3	24.3
11PM-MID	191	0.0	49	0.0	1500	191	0	49	0.44	0	66.0	59.3	44.7	24.5	24.5

"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	0.0122
MAIN ROUTE WITH WORKS	0.0120
DIVERSION	0.0429

PIA: Personal Injury Accidents

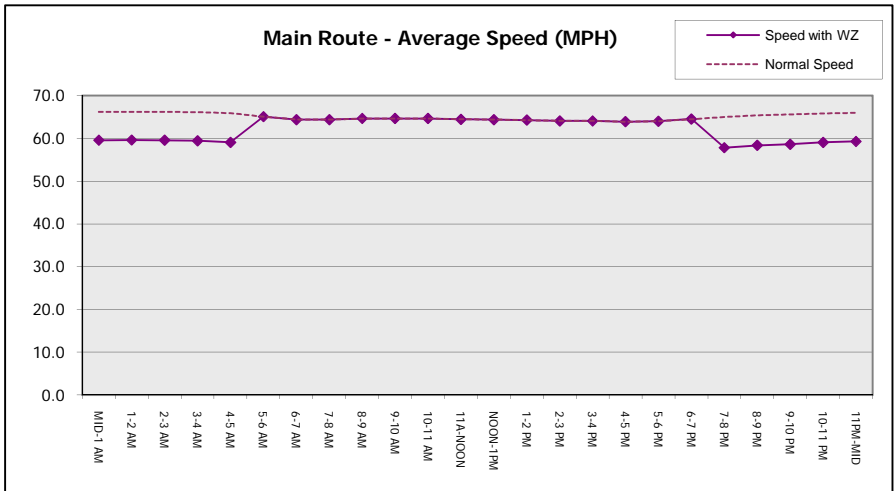
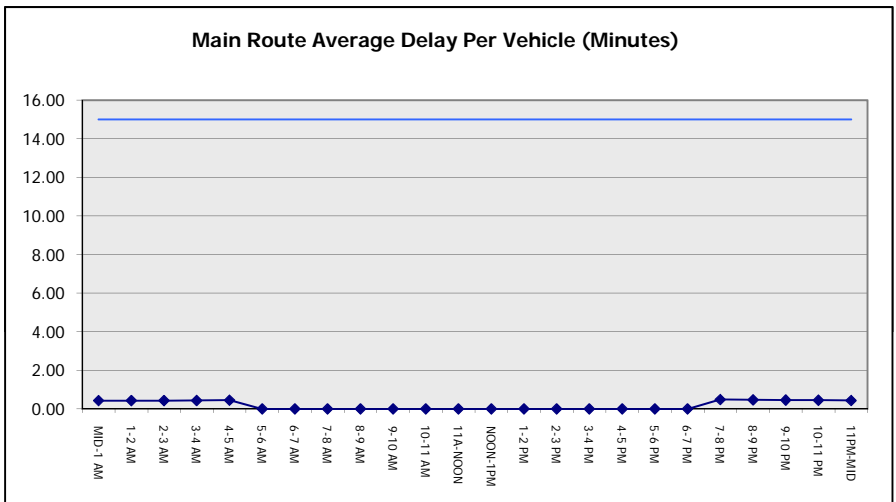
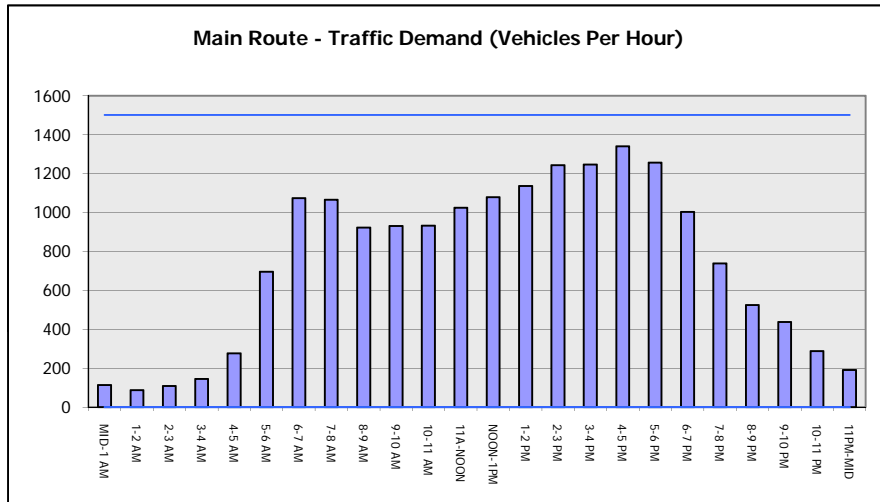
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$286
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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NIGHTTIME CLOSURE
DIVERSION ROUTE: CTH K - STH 175 - STH 33

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



USH 41: STH 67 TO STH 60 (WASHINGTON AND DODGE COUNTIES) NIGHTTIME CLOSURE DIVERSION ROUTE: CTH K - STH 175 - STH 33	OCTOBER Analyzed for 2009 Construction Season
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SUMMARY OF TRAFFIC MODEL OUTPUT	
FRIDAY	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	173	0.0	44	0.0	1500	173	0	44	0.44	0	66.1	59.4	44.8	24.5	24.5
1-2 AM	139	0.0	36	0.0	1500	139	0	36	0.44	0	66.1	59.5	45.0	24.6	24.6
2-3 AM	124	0.0	32	0.0	1500	124	0	32	0.43	0	66.1	59.5	45.0	24.6	24.6
3-4 AM	147	0.0	38	0.0	1500	147	0	38	0.44	0	66.1	59.4	44.9	24.5	24.5
4-5 AM	219	0.0	57	0.0	1500	219	0	57	0.44	0	66.0	59.2	44.6	24.4	24.4
5-6 AM	429	0.0	111	0.0	OFF	429	0	111	0.00	0	65.6	65.6	65.6	24.0	24.0
6-7 AM	717	0.0	186	0.0	OFF	717	0	186	0.00	0	65.0	65.0	65.0	23.4	23.4
7-8 AM	905	0.0	235	0.0	OFF	905	0	235	0.00	0	64.7	64.7	64.7	23.0	23.0
8-9 AM	996	0.0	258	0.0	OFF	996	0	258	0.00	0	64.5	64.5	64.5	22.9	22.9
9-10 AM	1084	0.0	281	0.0	OFF	1084	0	281	0.00	0	64.3	64.3	64.3	22.7	22.7
10-11 AM	1203	0.0	312	0.0	OFF	1203	0	312	0.00	0	64.1	64.1	64.1	22.4	22.4
11A-NOON	1284	0.0	333	0.0	OFF	1284	0	333	0.00	0	64.0	64.0	64.0	22.3	22.3
NOON-1PM	1372	0.0	355	0.0	OFF	1372	0	355	0.00	0	63.8	63.8	63.8	22.1	22.1
1-2 PM	1572	0.0	407	0.0	OFF	1572	0	407	0.00	0	63.5	63.5	63.5	21.7	21.7
2-3 PM	1733	0.0	449	0.0	OFF	1733	0	449	0.00	0	63.2	63.2	63.2	21.4	21.4
3-4 PM	2072	0.0	536	0.0	OFF	2072	0	536	0.00	0	62.5	62.5	62.5	20.7	20.7
4-5 PM	2284	0.0	592	0.0	OFF	2284	0	592	0.00	0	62.1	62.1	62.1	20.3	20.3
5-6 PM	2071	0.0	536	0.0	OFF	2071	0	536	0.00	0	62.5	62.5	62.5	20.7	20.7
6-7 PM	1672	0.0	433	0.0	OFF	1672	0	433	0.00	0	63.3	63.3	63.3	21.5	21.5
7-8 PM	1106	0.0	286	0.0	1500	1106	0	286	0.53	0	64.3	56.8	41.3	22.7	22.7
8-9 PM	802	0.0	208	0.0	1500	802	0	208	0.50	0	64.9	57.6	42.4	23.2	23.2
9-10 PM	662	0.0	172	0.0	1500	662	0	172	0.49	0	65.1	58.0	42.9	23.5	23.5
10-11 PM	464	0.0	120	0.0	1500	464	0	120	0.47	0	65.5	58.6	43.7	23.9	23.9
11PM-MID	351	0.0	91	0.0	1500	351	0	91	0.46	0	65.7	58.9	44.1	24.2	24.2

"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	0.0161
MAIN ROUTE WITH WORKS	0.0159
DIVERSION	0.0567

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$434
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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FRIDAY NORTHBOUND DIRECTION

