

**USH 41: STH 67 TO STH 60 (WASHINGTON AND DODGE COUNTIES)
OFF-PEAK DAY 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	OFF	113	0	29	0.00	0	66.2	66.2	66.2	24.6	24.6
1-2 AM	87	0.0	23	0.0	OFF	87	0	23	0.00	0	66.2	66.2	66.2	24.7	24.7
2-3 AM	108	0.0	28	0.0	OFF	108	0	28	0.00	0	66.2	66.2	66.2	24.7	24.7
3-4 AM	145	0.0	38	0.0	OFF	145	0	38	0.00	0	66.1	66.1	66.1	24.5	24.5
4-5 AM	277	0.0	72	0.0	OFF	277	0	72	0.00	0	65.9	65.9	65.9	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	1500	930	0	241	0.51	0	64.6	57.3	41.9	23.0	23.0
10-11 AM	933	0.0	242	0.0	1500	933	0	242	0.51	0	64.6	57.3	41.9	23.0	23.0
11A-NOON	1025	0.0	266	0.0	1500	1025	0	266	0.52	0	64.5	57.0	41.6	22.8	22.8
NOON-1PM	1079	0.0	280	0.0	1500	1079	0	280	0.53	0	64.4	56.9	41.4	22.7	22.7
1-2 PM	1137	0.0	294	0.0	1500	1137	0	294	0.56	0	64.3	56.4	40.6	22.6	22.6
2-3 PM	1243	0.0	322	0.0	1500	1243	0	322	0.69	0	64.1	54.6	37.1	22.4	22.4
3-4 PM	1246	0.0	323	0.0	1500	1246	0	323	0.70	0	64.1	54.6	37.0	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	OFF	739	0	191	0.00	0	65.0	65.0	65.0	23.3	23.3
8-9 PM	524	0.0	136	0.0	OFF	524	0	136	0.00	0	65.4	65.4	65.4	23.8	23.8
9-10 PM	437	0.0	113	0.0	OFF	437	0	113	0.00	0	65.6	65.6	65.6	24.0	24.0
10-11 PM	288	0.0	75	0.0	OFF	288	0	75	0.00	0	65.8	65.8	65.8	24.3	24.3
11PM-MID	191	0.0	49	0.0	OFF	191	0	49	0.00	0	66.0	66.0	66.0	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	0.0117
DIVERSION	0.0429

PIA: Personal Injury Accidents

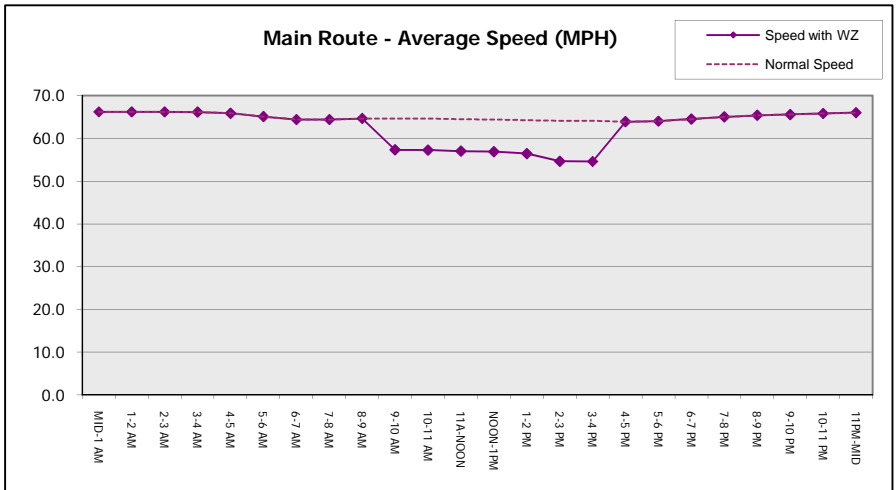
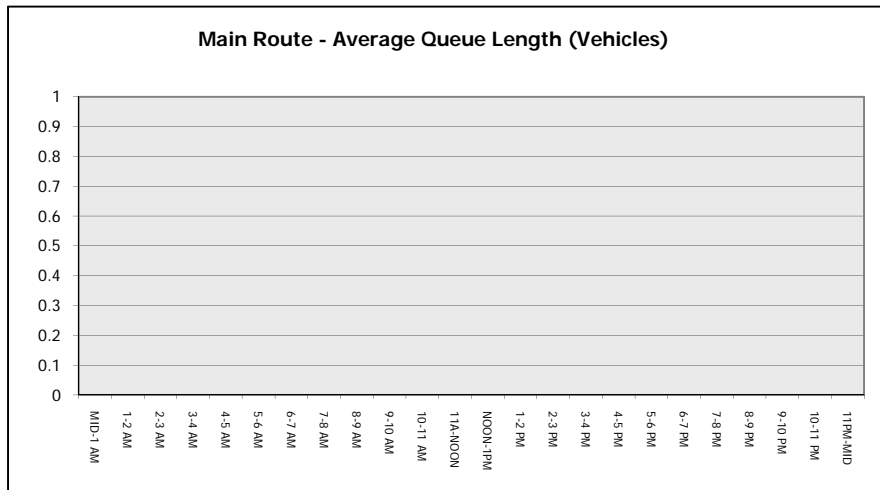
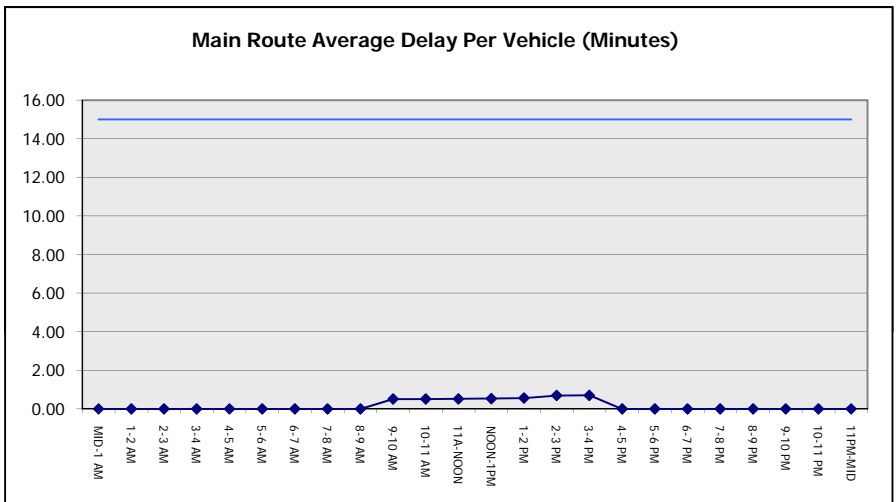
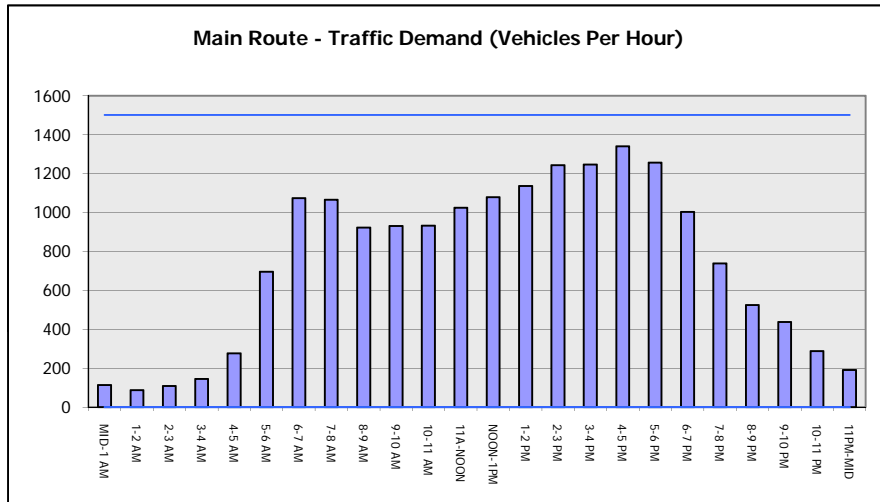
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$792
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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

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		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	173	0.0	44	0.0	OFF	173	0	44	0.00	0	66.1	66.1	66.1	24.5	24.5
1-2 AM	139	0.0	36	0.0	OFF	139	0	36	0.00	0	66.1	66.1	66.1	24.6	24.6
2-3 AM	124	0.0	32	0.0	OFF	124	0	32	0.00	0	66.1	66.1	66.1	24.6	24.6
3-4 AM	147	0.0	38	0.0	OFF	147	0	38	0.00	0	66.1	66.1	66.1	24.5	24.5
4-5 AM	219	0.0	57	0.0	OFF	219	0	57	0.00	0	66.0	66.0	66.0	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	1500	1084	0	281	0.53	0	64.3	56.9	41.4	22.7	22.7
10-11 AM	1203	0.0	312	0.0	1500	1203	0	312	0.64	0	64.1	55.3	38.4	22.4	22.4
11A-NOON	1284	0.0	333	0.0	1500	1284	0	333	0.74	0	64.0	54.0	36.0	22.3	22.3
NOON-1PM	1372	0.0	355	0.0	1499	1372	0	355	0.86	0	63.8	52.7	33.7	22.1	22.1
1-2 PM	1572	0.0	407	0.0	1499	1572	0	407	1.86	24	63.5	43.5	30.8	21.7	21.7
2-3 PM	1733	0.0	449	0.0	1500	1733	0	449	6.95	172	63.2	23.3	30.8	21.4	21.4
3-4 PM	2072	0.0	536	0.0	1500	1847	225	762	19.64	518	62.5	11.1	30.8	20.7	19.2
4-5 PM	2284	0.0	592	0.0	OFF	2284	0	592	2.28	123	62.1	40.1	40.1	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	OFF	1106	0	286	0.00	0	64.3	64.3	64.3	22.7	22.7
8-9 PM	802	0.0	208	0.0	OFF	802	0	208	0.00	0	64.9	64.9	64.9	23.2	23.2
9-10 PM	662	0.0	172	0.0	OFF	662	0	172	0.00	0	65.1	65.1	65.1	23.5	23.5
10-11 PM	464	0.0	120	0.0	OFF	464	0	120	0.00	0	65.5	65.5	65.5	23.9	23.9
11PM-MID	351	0.0	91	0.0	OFF	351	0	91	0.00	0	65.7	65.7	65.7	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	0.0153
DIVERSION	0.0588

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$11,530
CONGESTED HOURS PER DAY*	1

*Delays Exceeding 15 Minutes

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FRIDAY NORTHBOUND DIRECTION

