

**USH 41: STH 67 TO STH 60 (WASHINGTON AND DODGE COUNTIES)
CONTINUOUS (24 HOUR) 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	1500	696	0	180	0.49	0	65.1	57.9	42.8	23.5	23.5
6-7 AM	1073	0.0	278	0.0	1500	1073	0	278	0.53	0	64.4	56.9	41.4	22.7	22.7
7-8 AM	1065	0.0	276	0.0	1500	1065	0	276	0.53	0	64.4	56.9	41.4	22.7	22.7
8-9 AM	922	0.0	239	0.0	1500	922	0	239	0.51	0	64.6	57.3	42.0	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	1500	1340	0	347	0.82	0	63.9	53.1	34.5	22.2	22.2
5-6 PM	1257	0.0	325	0.0	1500	1257	0	325	0.71	0	64.0	54.5	36.7	22.4	22.4
6-7 PM	1003	0.0	259	0.0	1500	1003	0	259	0.52	0	64.5	57.1	41.7	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

----- 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	0.0122
MAIN ROUTE WITH WORKS	0.0110
DIVERSION	0.0429

PIA: Personal Injury Accidents

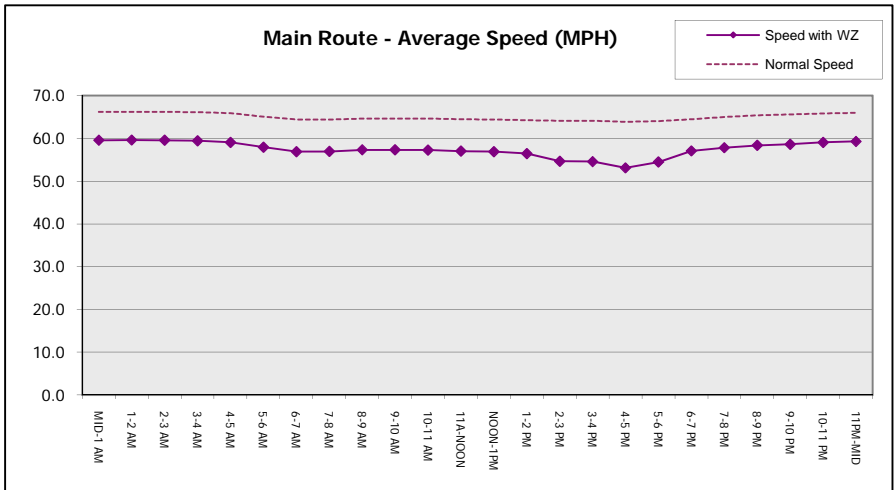
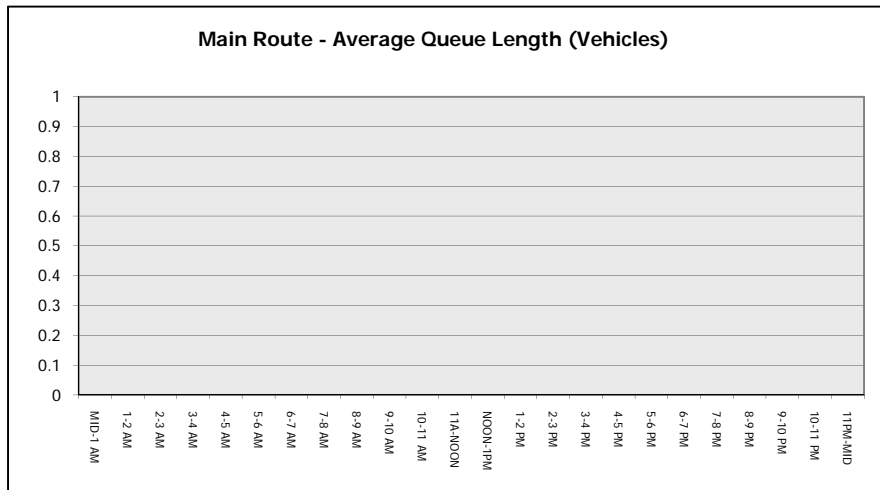
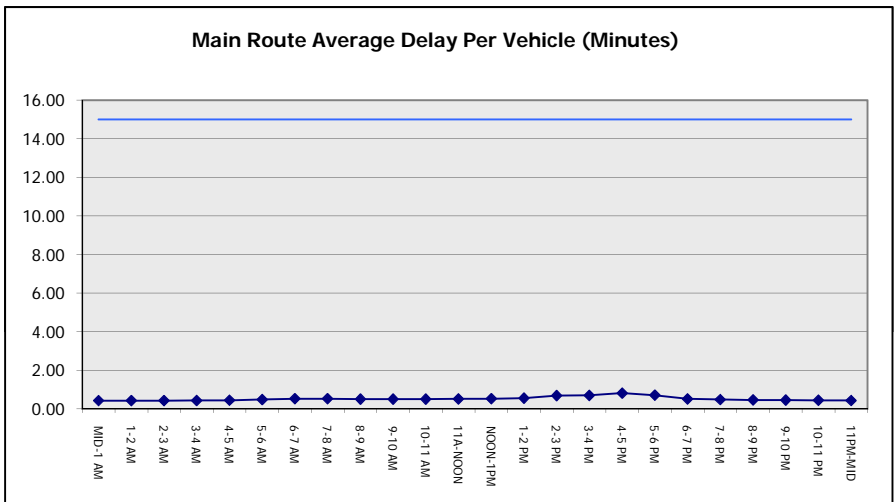
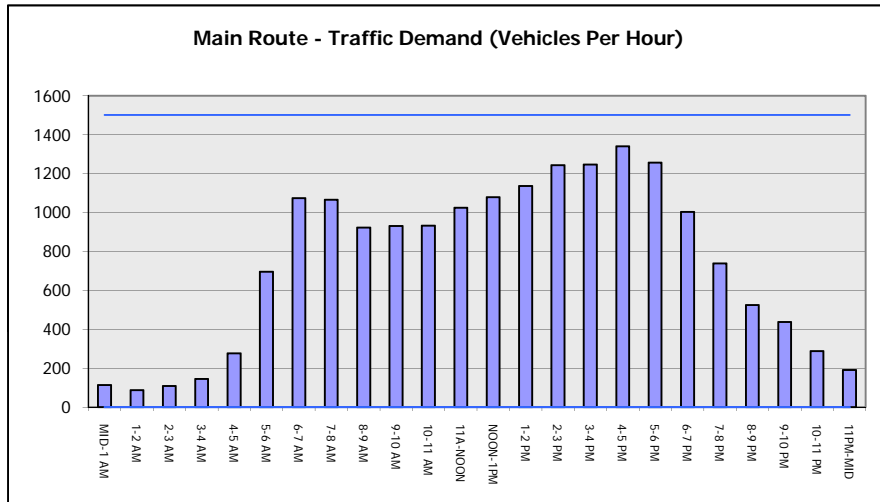
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,521
CONGESTED HOURS PER DAY*	0

*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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



USH 41: STH 67 TO STH 60 (WASHINGTON AND DODGE COUNTIES) CONTINUOUS (24 HOUR) 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		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	1500	429	0	111	0.46	0	65.6	58.7	43.8	24.0	24.0
6-7 AM	717	0.0	186	0.0	1500	717	0	186	0.49	0	65.0	57.9	42.7	23.4	23.4
7-8 AM	905	0.0	235	0.0	1500	905	0	235	0.51	0	64.7	57.4	42.0	23.0	23.0
8-9 AM	996	0.0	258	0.0	1500	996	0	258	0.52	0	64.5	57.1	41.7	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	1499	1603	681	1273+	27.53	718	62.1	9.1	30.8	20.3	15.8
5-6 PM	2071	0.0	536	0.0	1500	1378	692	1229+	26.85	699	62.5	9.2	30.8	20.7	16.1
6-7 PM	1672	0.0	433	0.0	1500	1333	338	772	21.02	542	63.3	10.4	30.8	21.5	19.1
7-8 PM	1106	0.0	286	0.0	1499	1106	0	286	10.62	296	64.3	17.6	33.7	22.7	22.7
8-9 PM	802	0.0	208	0.0	1500	802	0	208	0.62	4	64.9	56.2	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

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0134
DIVERSION	0.0746

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$56,124
CONGESTED HOURS PER DAY*	4

*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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

