

IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 33 - USH 12	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY WESTBOUND 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	377	0.0	155	0.0	OFF	377	0	155	0.00	0	65.7	65.7	65.7	42.5	42.5
1-2 AM	334	0.0	137	0.0	OFF	334	0	137	0.00	0	65.8	65.8	65.8	42.8	42.8
2-3 AM	340	0.0	140	0.0	OFF	340	0	140	0.00	0	65.8	65.8	65.8	42.7	42.7
3-4 AM	329	0.0	135	0.0	OFF	329	0	135	0.00	0	65.8	65.8	65.8	42.8	42.8
4-5 AM	336	0.0	138	0.0	OFF	336	0	138	0.00	0	65.8	65.8	65.8	42.7	42.7
5-6 AM	442	0.0	182	0.0	OFF	442	0	182	0.00	0	65.6	65.6	65.6	42.1	42.1
6-7 AM	627	0.0	259	0.0	OFF	627	0	259	0.00	0	65.2	65.2	65.2	41.0	41.0
7-8 AM	890	0.0	366	0.0	OFF	890	0	366	0.00	0	64.7	64.7	64.7	39.5	39.5
8-9 AM	1214	0.0	500	0.0	OFF	1214	0	500	0.00	0	64.1	64.1	64.1	37.6	37.6
9-10 AM	1519	0.0	625	0.0	1499	1519	0	625	1.39	11	63.5	57.4	31.4	35.8	35.8
10-11 AM	1790	0.0	737	0.0	1500	1790	0	737	7.20	178	63.0	40.5	30.8	34.2	34.2
11A-NOON	1879	0.0	773	0.0	1500	1861	18	791	19.70	518	62.9	25.0	30.8	33.7	33.4
NOON-1PM	1943	0.0	800	0.0	1499	1651	292	1092	29.57	775	62.8	19.2	30.8	33.3	29.2
1-2 PM	2173	0.0	895	0.0	1499	1698	475	1370+	36.17	956	62.3	16.6	30.8	32.0	25.2
2-3 PM	2080	0.0	856	0.0	1499	1474	606	1462+	38.92	1028	62.5	15.7	30.8	32.5	23.9
3-4 PM	2227	0.0	917	0.0	1499	1619	608	1525+	40.89	1083	62.2	15.1	30.8	31.7	23.0
4-5 PM	2180	0.0	898	0.0	OFF	2180	0	898	7.80	356	62.3	39.1	39.1	31.9	31.9
5-6 PM	1970	0.0	812	0.0	OFF	1970	0	812	0.00	0	62.7	62.7	62.7	33.2	33.2
6-7 PM	1923	0.0	791	0.0	OFF	1923	0	791	0.00	0	62.8	62.8	62.8	33.4	33.4
7-8 PM	1787	0.0	736	0.0	OFF	1787	0	736	0.00	0	63.0	63.0	63.0	34.2	34.2
8-9 PM	1361	0.0	560	0.0	OFF	1361	0	560	0.00	0	63.8	63.8	63.8	36.8	36.8
9-10 PM	1010	0.0	416	0.0	OFF	1010	0	416	0.00	0	64.5	64.5	64.5	38.8	38.8
10-11 PM	804	0.0	331	0.0	OFF	804	0	331	0.00	0	64.9	64.9	64.9	40.0	40.0
11PM-MID	539	0.0	222	0.0	OFF	539	0	222	0.00	0	65.4	65.4	65.4	41.5	41.5

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

+ 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	0.0651
MAIN ROUTE WITH WORKS	0.0600
DIVERSION	0.1097

PIA: Personal Injury Accidents

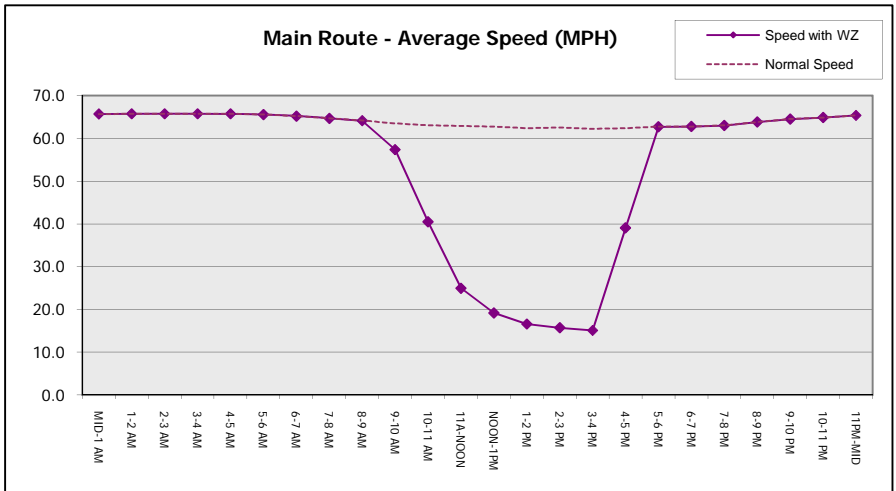
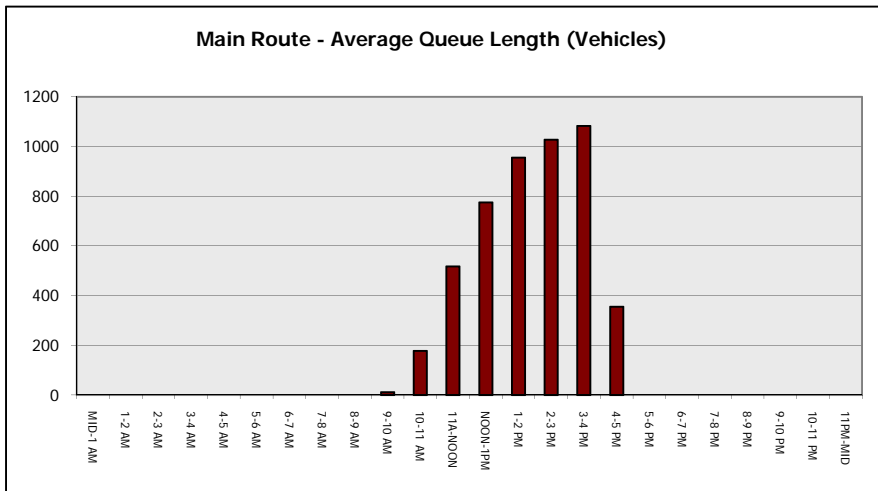
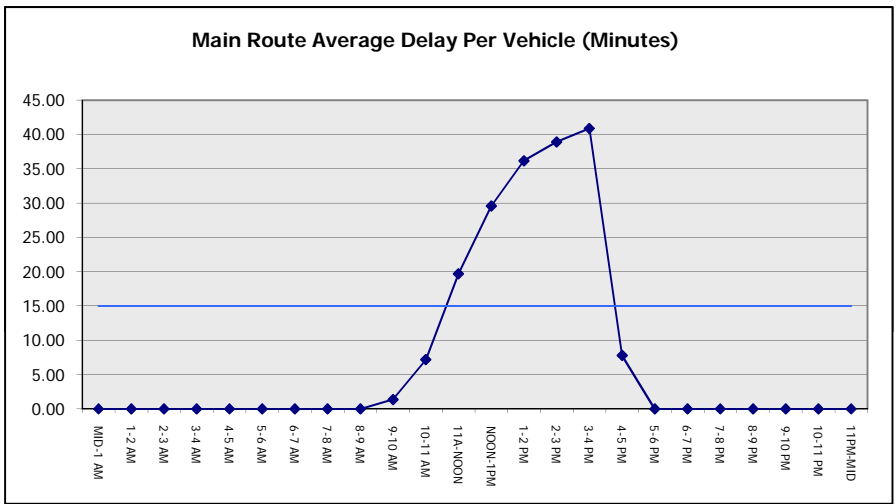
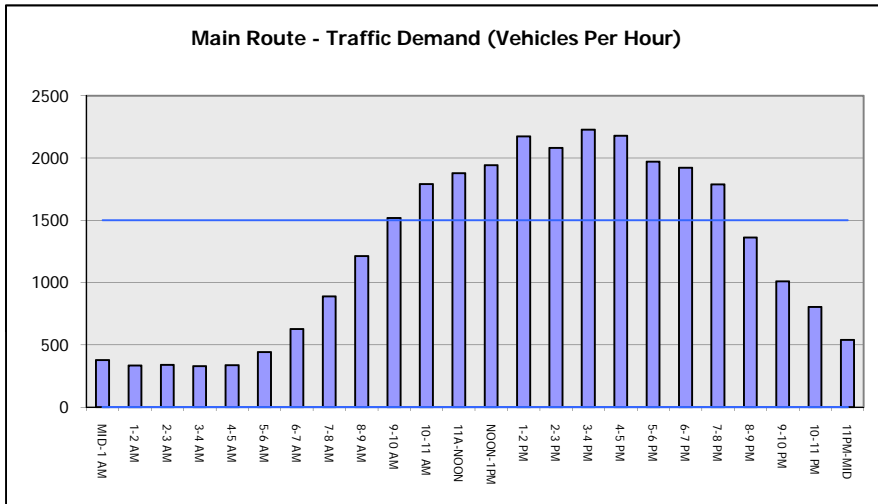
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$83,313
CONGESTED HOURS PER DAY*	5

*Delays Exceeding 15 Minutes

IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES)
OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: STH 33 - USH 12

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 33 - USH 12	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT	
FRIDAY	EASTBOUND 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	340	0.0	140	0.0	OFF	340	0	140	0.00	0	65.8	65.8	65.8	42.7	42.7
1-2 AM	280	0.0	116	0.0	OFF	280	0	116	0.00	0	65.9	65.9	65.9	43.0	43.0
2-3 AM	247	0.0	101	0.0	OFF	247	0	101	0.00	0	66.0	66.0	66.0	43.3	43.3
3-4 AM	213	0.0	87	0.0	OFF	213	0	87	0.00	0	66.0	66.0	66.0	43.5	43.5
4-5 AM	219	0.0	90	0.0	OFF	219	0	90	0.00	0	66.0	66.0	66.0	43.4	43.4
5-6 AM	292	0.0	121	0.0	OFF	292	0	121	0.00	0	65.8	65.8	65.8	43.0	43.0
6-7 AM	414	0.0	170	0.0	OFF	414	0	170	0.00	0	65.6	65.6	65.6	42.3	42.3
7-8 AM	648	0.0	267	0.0	OFF	648	0	267	0.00	0	65.2	65.2	65.2	40.9	40.9
8-9 AM	884	0.0	364	0.0	OFF	884	0	364	0.00	0	64.7	64.7	64.7	39.5	39.5
9-10 AM	1209	0.0	498	0.0	1500	1209	0	498	0.65	0	64.1	61.0	38.1	37.6	37.6
10-11 AM	1255	0.0	516	0.0	1499	1255	0	516	0.71	0	64.0	60.7	36.8	37.4	37.4
11A-NOON	1470	0.0	606	0.0	1499	1470	0	606	1.10	3	63.7	58.6	31.8	36.1	36.1
NOON-1PM	1741	0.0	717	0.0	1500	1741	0	717	4.85	112	63.2	45.9	30.8	34.5	34.5
1-2 PM	2212	0.0	911	0.0	1500	2150	62	973	21.33	588	62.3	23.7	30.8	31.7	30.9
2-3 PM	2180	0.0	898	0.0	1500	1657	524	1422+	37.66	996	62.3	16.1	30.8	31.9	24.5
3-4 PM	2232	0.0	919	0.0	1500	1591	641	1560+	42.09	1115	62.2	14.8	30.8	31.6	22.5
4-5 PM	2158	0.0	889	0.0	OFF	2158	0	889	7.86	361	62.3	38.9	38.9	32.0	32.0
5-6 PM	1922	0.0	791	0.0	OFF	1922	0	791	0.00	0	62.8	62.8	62.8	33.4	33.4
6-7 PM	1716	0.0	706	0.0	OFF	1716	0	706	0.00	0	63.2	63.2	63.2	34.7	34.7
7-8 PM	1469	0.0	605	0.0	OFF	1469	0	605	0.00	0	63.7	63.7	63.7	36.1	36.1
8-9 PM	1270	0.0	524	0.0	OFF	1270	0	524	0.00	0	64.0	64.0	64.0	37.3	37.3
9-10 PM	968	0.0	399	0.0	OFF	968	0	399	0.00	0	64.6	64.6	64.6	39.1	39.1
10-11 PM	657	0.0	271	0.0	OFF	657	0	271	0.00	0	65.1	65.1	65.1	40.9	40.9
11PM-MID	457	0.0	188	0.0	OFF	457	0	188	0.00	0	65.5	65.5	65.5	42.0	42.0

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

+ 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	0.0573
MAIN ROUTE WITH WORKS	0.0539
DIVERSION	0.0925

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$55,660
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES)
OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: STH 33 - USH 12

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

