

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

SATURDAY 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	379	0.0	156	0.0	OFF	379	0	156	0.00	0	65.7	65.7	65.7	42.5	42.5
1-2 AM	315	0.0	130	0.0	OFF	315	0	130	0.00	0	65.8	65.8	65.8	42.8	42.8
2-3 AM	296	0.0	122	0.0	OFF	296	0	122	0.00	0	65.8	65.8	65.8	43.0	43.0
3-4 AM	277	0.0	114	0.0	OFF	277	0	114	0.00	0	65.9	65.9	65.9	43.1	43.1
4-5 AM	290	0.0	120	0.0	OFF	290	0	120	0.00	0	65.8	65.8	65.8	43.0	43.0
5-6 AM	361	0.0	149	0.0	OFF	361	0	149	0.00	0	65.7	65.7	65.7	42.6	42.6
6-7 AM	544	0.0	224	0.0	OFF	544	0	224	0.00	0	65.4	65.4	65.4	41.5	41.5
7-8 AM	816	0.0	336	0.0	OFF	816	0	336	0.00	0	64.9	64.9	64.9	39.9	39.9
8-9 AM	1219	0.0	501	0.0	1499	1219	0	501	0.66	0	64.1	61.0	38.1	37.6	37.6
9-10 AM	1623	0.0	669	0.0	1499	1623	0	669	2.47	42	63.3	53.2	30.8	35.2	35.2
10-11 AM	1848	0.0	761	0.0	1500	1848	0	761	11.19	289	63.0	33.8	30.8	33.8	33.8
11A-NOON	1861	0.0	766	0.0	1500	1761	99	866	24.19	633	62.9	22.0	30.8	33.8	32.4
NOON-1PM	1632	0.0	672	0.0	1499	1399	234	905	26.14	679	63.3	20.9	30.8	35.1	31.8
1-2 PM	1578	0.0	649	0.0	1500	1466	112	761	23.79	615	63.5	22.2	30.8	35.5	33.8
2-3 PM	1467	0.0	604	0.0	1499	1439	29	632	21.89	562	63.7	23.5	30.8	36.1	35.7
3-4 PM	1433	0.0	590	0.0	1500	1433	0	590	19.88	508	63.7	25.0	30.8	36.3	36.3
4-5 PM	1246	0.0	513	0.0	1499	1246	0	513	13.84	351	64.1	30.7	30.8	37.4	37.4
5-6 PM	1101	0.0	454	0.0	1499	1101	0	454	2.60	63	64.3	53.4	38.3	38.3	38.3
6-7 PM	940	0.0	387	0.0	OFF	940	0	387	0.00	0	64.6	64.6	64.6	39.2	39.2
7-8 PM	814	0.0	335	0.0	OFF	814	0	335	0.00	0	64.9	64.9	64.9	39.9	39.9
8-9 PM	646	0.0	266	0.0	OFF	646	0	266	0.00	0	65.2	65.2	65.2	40.9	40.9
9-10 PM	547	0.0	225	0.0	OFF	547	0	225	0.00	0	65.4	65.4	65.4	41.5	41.5
10-11 PM	410	0.0	168	0.0	OFF	410	0	168	0.00	0	65.6	65.6	65.6	42.3	42.3
11PM-MID	289	0.0	119	0.0	OFF	289	0	119	0.00	0	65.8	65.8	65.8	43.0	43.0

"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	0.0475
MAIN ROUTE WITH WORKS	0.0455
DIVERSION	0.0725

PIA: Personal Injury Accidents

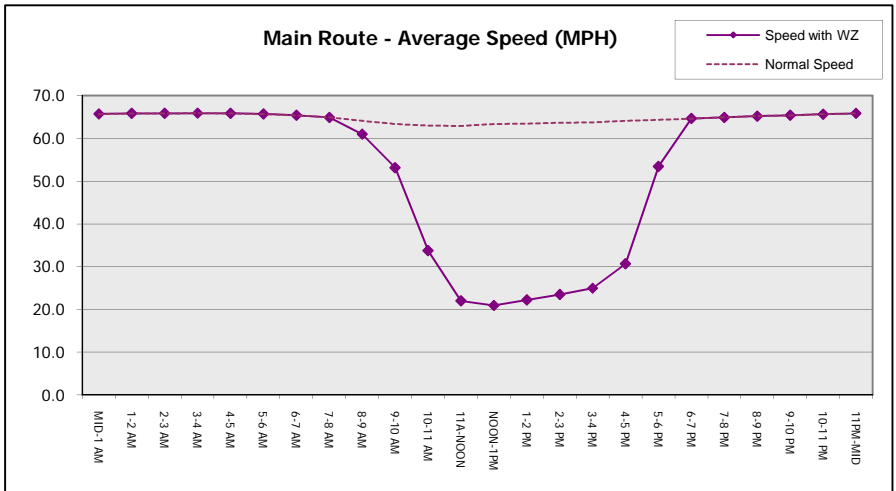
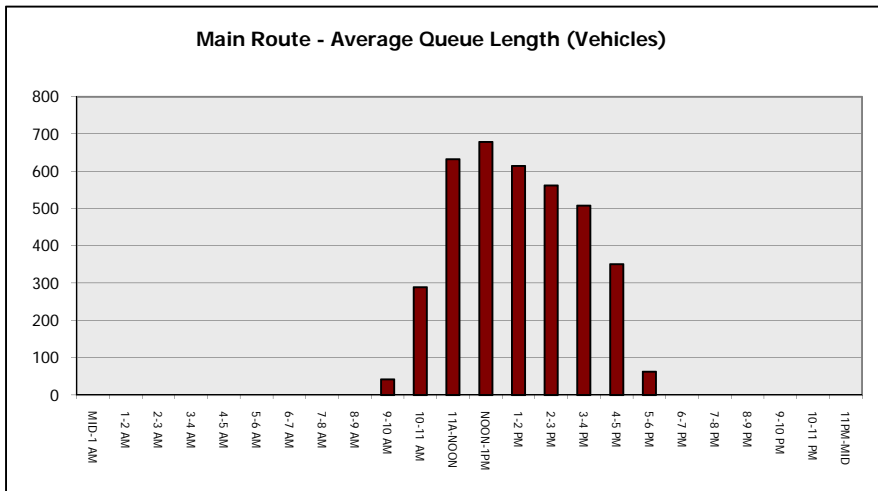
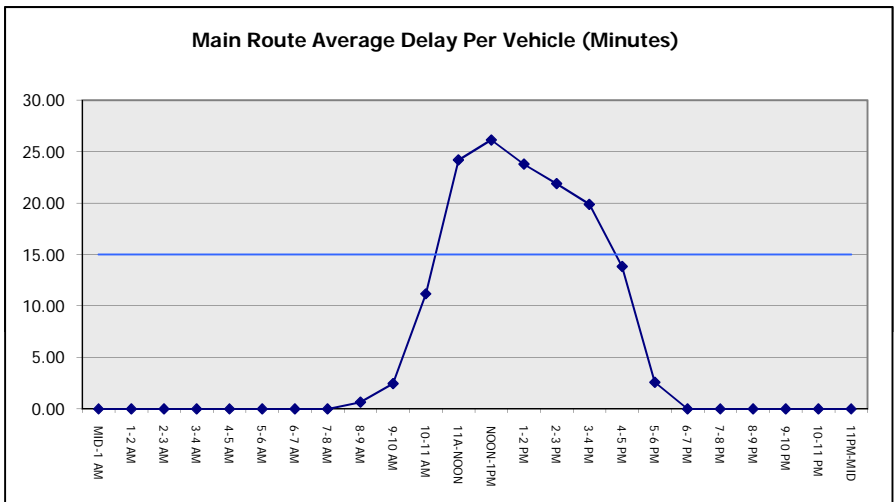
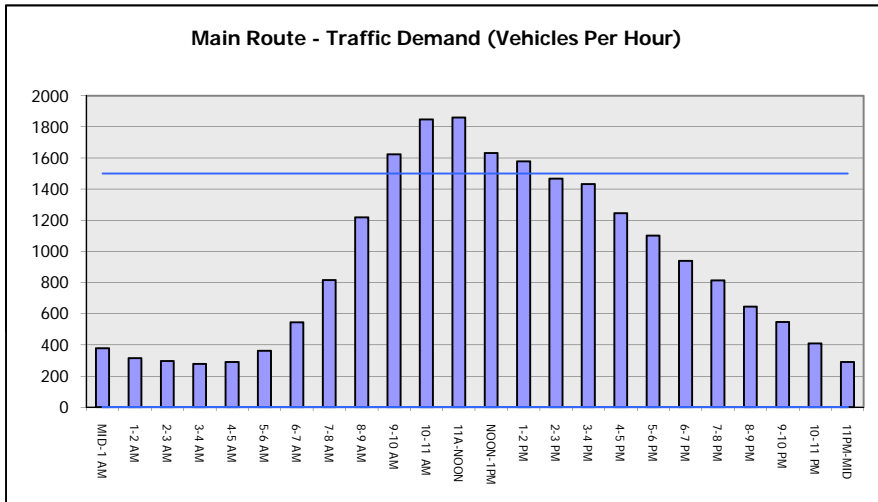
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$68,686
CONGESTED HOURS PER DAY*	5

*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
SATURDAY 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	
SATURDAY	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	319	0.0	131	0.0	OFF	319	0	131	0.00	0	65.8	65.8	65.8	42.8	42.8
1-2 AM	253	0.0	105	0.0	OFF	253	0	105	0.00	0	65.9	65.9	65.9	43.2	43.2
2-3 AM	226	0.0	93	0.0	OFF	226	0	93	0.00	0	66.0	66.0	66.0	43.4	43.4
3-4 AM	198	0.0	81	0.0	OFF	198	0	81	0.00	0	66.0	66.0	66.0	43.5	43.5
4-5 AM	180	0.0	74	0.0	OFF	180	0	74	0.00	0	66.1	66.1	66.1	43.7	43.7
5-6 AM	232	0.0	95	0.0	OFF	232	0	95	0.00	0	66.0	66.0	66.0	43.3	43.3
6-7 AM	354	0.0	146	0.0	OFF	354	0	146	0.00	0	65.7	65.7	65.7	42.6	42.6
7-8 AM	584	0.0	240	0.0	OFF	584	0	240	0.00	0	65.3	65.3	65.3	41.3	41.3
8-9 AM	888	0.0	365	0.0	1500	888	0	365	0.51	0	64.7	62.2	42.1	39.5	39.5
9-10 AM	1431	0.0	590	0.0	1499	1431	0	590	1.15	7	63.7	58.5	33.1	36.3	36.3
10-11 AM	1906	0.0	785	0.0	1500	1906	0	785	8.17	214	62.8	38.6	30.8	33.5	33.5
11A-NOON	1984	0.0	817	0.0	1500	1870	113	930	24.65	652	62.7	21.7	30.8	33.1	31.5
NOON-1PM	1836	0.0	756	0.0	1500	1470	367	1122	30.26	792	63.0	18.9	30.8	34.0	28.7
1-2 PM	1866	0.0	768	0.0	1500	1516	350	1118	30.15	789	62.9	18.9	30.8	33.8	28.8
2-3 PM	1734	0.0	713	0.0	1500	1410	323	1037	28.54	745	63.2	19.7	30.8	34.5	29.9
3-4 PM	1651	0.0	680	0.0	1500	1437	213	893	25.92	673	63.3	21.0	30.8	35.0	32.0
4-5 PM	1448	0.0	596	0.0	1499	1378	70	665	22.32	575	63.7	23.2	30.8	36.2	35.2
5-6 PM	1262	0.0	520	0.0	1499	1262	0	520	16.05	409	64.0	28.3	30.8	37.3	37.3
6-7 PM	1078	0.0	443	0.0	OFF	1078	0	443	0.30	13	64.4	62.8	62.8	38.4	38.4
7-8 PM	892	0.0	367	0.0	OFF	892	0	367	0.00	0	64.7	64.7	64.7	39.5	39.5
8-9 PM	759	0.0	313	0.0	OFF	759	0	313	0.00	0	65.0	65.0	65.0	40.2	40.2
9-10 PM	586	0.0	241	0.0	OFF	586	0	241	0.00	0	65.3	65.3	65.3	41.3	41.3
10-11 PM	467	0.0	192	0.0	OFF	467	0	192	0.00	0	65.5	65.5	65.5	42.0	42.0
11PM-MID	286	0.0	118	0.0	OFF	286	0	118	0.00	0	65.8	65.8	65.8	43.0	43.0

"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	0.0485
MAIN ROUTE WITH WORKS	0.0445
DIVERSION	0.0814

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$96,038
CONGESTED HOURS PER DAY*	7

*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
SATURDAY EASTBOUND DIRECTION

