

IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 33 - USH 12	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	163	0.0	67	0.0	1500	163	0	67	0.44	0	66.1	63.8	44.8	43.8	43.8
1-2 AM	110	0.0	46	0.0	1500	110	0	46	0.43	0	66.2	64.0	45.0	44.1	44.1
2-3 AM	100	0.0	42	0.0	1500	100	0	42	0.43	0	66.2	64.0	45.1	44.1	44.1
3-4 AM	102	0.0	43	0.0	1500	102	0	43	0.43	0	66.2	64.0	45.1	44.1	44.1
4-5 AM	97	0.0	41	0.0	1500	97	0	41	0.43	0	66.2	64.0	45.1	44.2	44.2
5-6 AM	129	0.0	53	0.0	1500	129	0	53	0.43	0	66.1	63.9	45.0	44.0	44.0
6-7 AM	198	0.0	81	0.0	1500	198	0	81	0.44	0	66.0	63.7	44.7	43.5	43.5
7-8 AM	336	0.0	138	0.0	1500	336	0	138	0.46	0	65.8	63.4	44.2	42.7	42.7
8-9 AM	548	0.0	225	0.0	1500	548	0	225	0.48	0	65.4	63.0	43.3	41.5	41.5
9-10 AM	815	0.0	336	0.0	1500	815	0	336	0.50	0	64.9	62.4	42.4	39.9	39.9
10-11 AM	1197	0.0	493	0.0	1500	1197	0	493	0.63	0	64.1	61.1	38.6	37.7	37.7
11A-NOON	1417	0.0	583	0.0	1499	1417	0	583	0.92	0	63.7	59.5	32.6	36.4	36.4
NOON-1PM	1502	0.0	618	0.0	1499	1502	0	618	1.12	3	63.6	58.5	31.0	35.9	35.9
1-2 PM	1604	0.0	661	0.0	1500	1604	0	661	3.05	57	63.4	51.2	30.8	35.3	35.3
2-3 PM	1740	0.0	716	0.0	1500	1740	0	716	9.27	230	63.2	36.8	30.8	34.5	34.5
3-4 PM	1785	0.0	735	0.0	1500	1779	6	740	19.25	500	63.0	25.3	30.8	34.2	34.2
4-5 PM	1675	0.0	690	0.0	1499	1513	162	852	25.21	654	63.3	21.4	30.8	34.9	32.6
5-6 PM	1560	0.0	642	0.0	1499	1438	123	765	23.86	617	63.5	22.2	30.8	35.6	33.8
6-7 PM	1457	0.0	600	0.0	1500	1435	22	622	21.71	558	63.7	23.6	30.8	36.1	35.8
7-8 PM	1251	0.0	515	0.0	1499	1251	0	515	16.21	414	64.0	28.2	30.8	37.4	37.4
8-9 PM	896	0.0	369	0.0	1499	896	0	369	2.63	70	64.7	53.5	40.7	39.4	39.4
9-10 PM	626	0.0	258	0.0	1500	626	0	258	0.48	0	65.2	62.8	43.0	41.0	41.0
10-11 PM	424	0.0	175	0.0	1500	424	0	175	0.46	0	65.6	63.2	43.8	42.2	42.2
11PM-MID	276	0.0	114	0.0	1500	276	0	114	0.45	0	65.9	63.6	44.4	43.1	43.1

----- 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	0.0433
MAIN ROUTE WITH WORKS	0.0413
DIVERSION	0.0652

PIA: Personal Injury Accidents

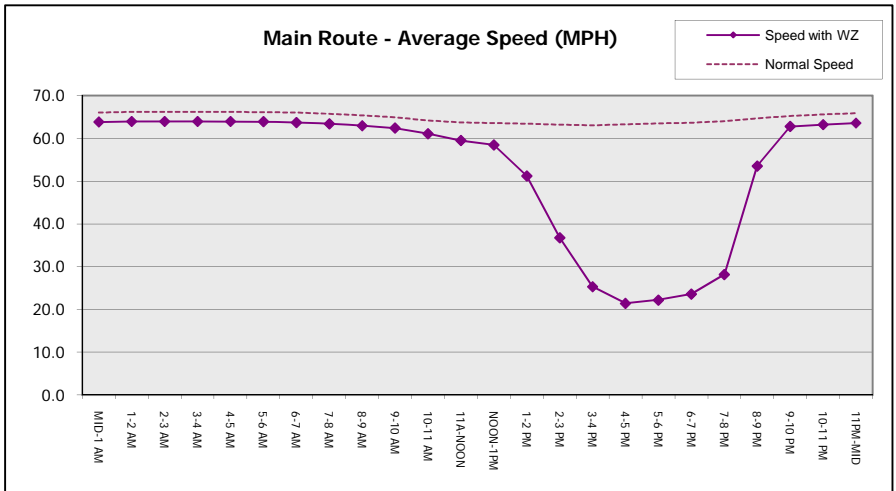
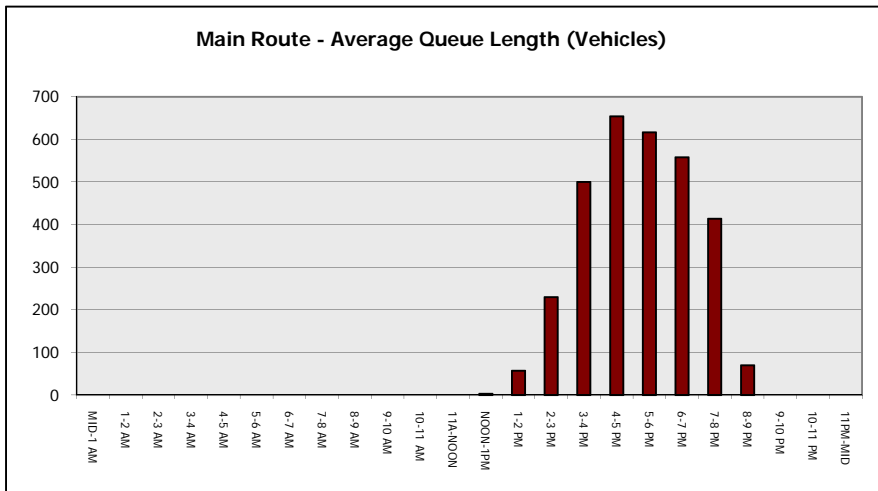
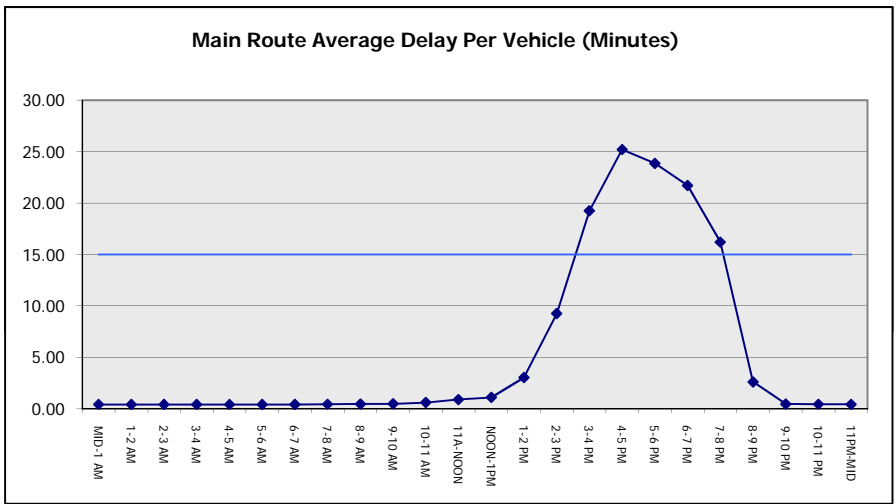
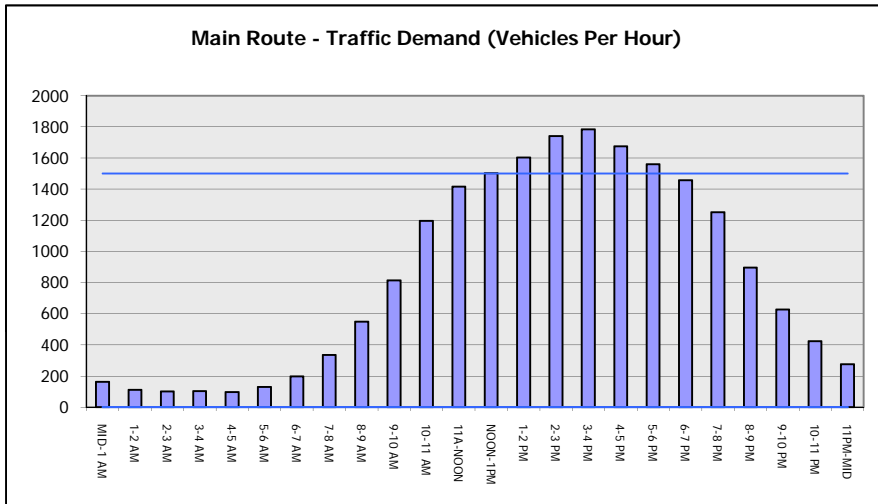
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$56,886
CONGESTED HOURS PER DAY*	5

*Delays Exceeding 15 Minutes

IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 33 - USH 12

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 33 - USH 12	MAY Analyzed for 2009 Construction Season
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SUMMARY OF TRAFFIC MODEL OUTPUT	
SUNDAY	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		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	124	0.0	51	0.0	1500	124	0	51	0.43	0	66.1	63.9	45.0	44.0	44.0
1-2 AM	79	0.0	32	0.0	1500	79	0	32	0.43	0	66.3	64.0	45.1	44.3	44.3
2-3 AM	80	0.0	32	0.0	1500	80	0	32	0.43	0	66.3	64.0	45.1	44.3	44.3
3-4 AM	68	0.0	27	0.0	1500	68	0	27	0.43	0	66.3	64.0	45.2	44.3	44.3
4-5 AM	74	0.0	30	0.0	1500	74	0	30	0.43	0	66.3	64.0	45.2	44.3	44.3
5-6 AM	107	0.0	44	0.0	1500	107	0	44	0.43	0	66.2	64.0	45.1	44.1	44.1
6-7 AM	189	0.0	78	0.0	1500	189	0	78	0.44	0	66.0	63.8	44.7	43.6	43.6
7-8 AM	336	0.0	138	0.0	1500	336	0	138	0.46	0	65.8	63.4	44.2	42.7	42.7
8-9 AM	608	0.0	251	0.0	1500	608	0	251	0.48	0	65.3	62.8	43.1	41.2	41.2
9-10 AM	938	0.0	387	0.0	1500	938	0	387	0.51	0	64.6	62.1	41.9	39.2	39.2
10-11 AM	1112	0.0	458	0.0	1500	1112	0	458	0.53	0	64.3	61.7	41.3	38.2	38.2
11A-NOON	1297	0.0	534	0.0	1500	1297	0	534	0.76	0	64.0	60.4	35.6	37.1	37.1
NOON-1PM	1404	0.0	578	0.0	1499	1404	0	578	0.90	0	63.8	59.6	32.9	36.5	36.5
1-2 PM	1678	0.0	691	0.0	1499	1678	0	691	3.62	75	63.3	49.4	30.8	34.8	34.8
2-3 PM	1832	0.0	754	0.0	1500	1832	0	754	13.09	339	63.0	31.3	30.8	34.0	34.0
3-4 PM	1844	0.0	759	0.0	1499	1729	115	874	24.89	650	63.0	21.5	30.8	33.9	32.3
4-5 PM	1833	0.0	755	0.0	1499	1516	318	1072	29.22	763	63.0	19.3	30.8	34.0	29.4
5-6 PM	1511	0.0	622	0.0	1499	1302	209	831	24.92	647	63.6	21.6	30.8	35.8	32.9
6-7 PM	1334	0.0	549	0.0	1499	1334	0	549	19.07	488	63.9	25.6	30.8	36.9	36.9
7-8 PM	1078	0.0	443	0.0	1499	1078	0	443	7.17	199	64.4	41.1	35.5	38.4	38.4
8-9 PM	764	0.0	315	0.0	1500	764	0	315	0.50	0	65.0	62.5	42.5	40.2	40.2
9-10 PM	634	0.0	261	0.0	1500	634	0	261	0.48	0	65.2	62.8	43.0	41.0	41.0
10-11 PM	439	0.0	181	0.0	1500	439	0	181	0.47	0	65.6	63.2	43.7	42.2	42.2
11PM-MID	298	0.0	123	0.0	1500	298	0	123	0.45	0	65.8	63.5	44.3	43.0	43.0

----- 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	0.0426
MAIN ROUTE WITH WORKS	0.0399
DIVERSION	0.0666

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$60,032
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

**IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES)
 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: STH 33 - USH 12**

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

