

IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES) NIGHTTIME 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	OFF	815	0	336	0.00	0	64.9	64.9	64.9	39.9	39.9
10-11 AM	1197	0.0	493	0.0	OFF	1197	0	493	0.00	0	64.1	64.1	64.1	37.7	37.7
11A-NOON	1417	0.0	583	0.0	OFF	1417	0	583	0.00	0	63.7	63.7	63.7	36.4	36.4
NOON-1PM	1502	0.0	618	0.0	OFF	1502	0	618	0.00	0	63.6	63.6	63.6	35.9	35.9
1-2 PM	1604	0.0	661	0.0	OFF	1604	0	661	0.00	0	63.4	63.4	63.4	35.3	35.3
2-3 PM	1740	0.0	716	0.0	OFF	1740	0	716	0.00	0	63.2	63.2	63.2	34.5	34.5
3-4 PM	1785	0.0	735	0.0	OFF	1785	0	735	0.00	0	63.0	63.0	63.0	34.2	34.2
4-5 PM	1675	0.0	690	0.0	OFF	1675	0	690	0.00	0	63.3	63.3	63.3	34.9	34.9
5-6 PM	1560	0.0	642	0.0	OFF	1560	0	642	0.00	0	63.5	63.5	63.5	35.6	35.6
6-7 PM	1457	0.0	600	0.0	OFF	1457	0	600	0.00	0	63.7	63.7	63.7	36.1	36.1
7-8 PM	1251	0.0	515	0.0	1500	1251	0	515	0.70	0	64.0	60.7	36.9	37.4	37.4
8-9 PM	896	0.0	369	0.0	1500	896	0	369	0.51	0	64.7	62.2	42.0	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

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

----- 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	0.0430
DIVERSION	0.0629

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$664
CONGESTED HOURS PER DAY*	0

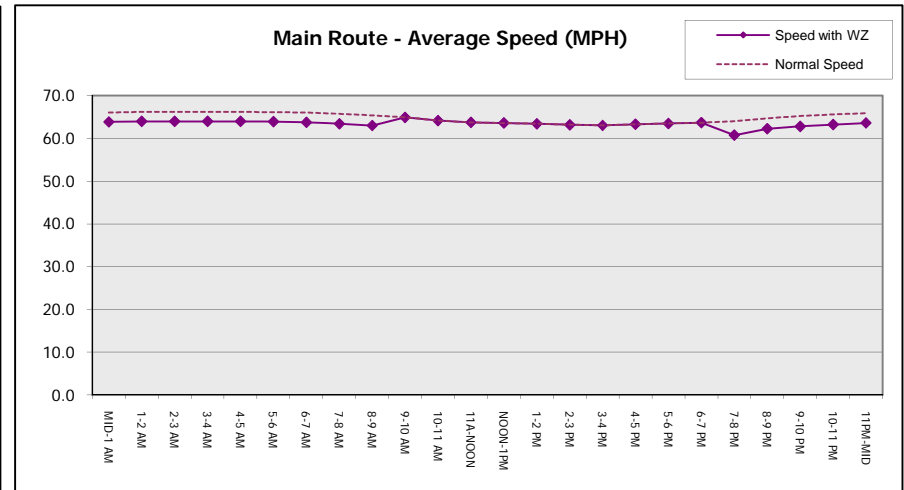
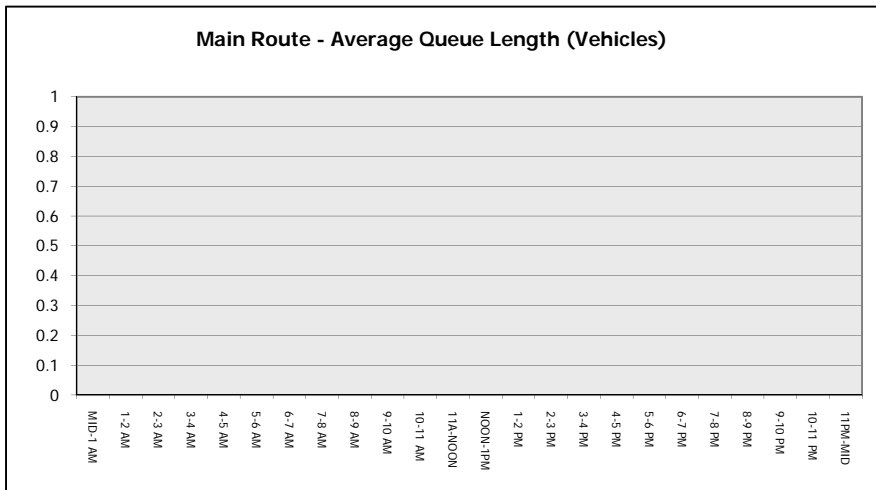
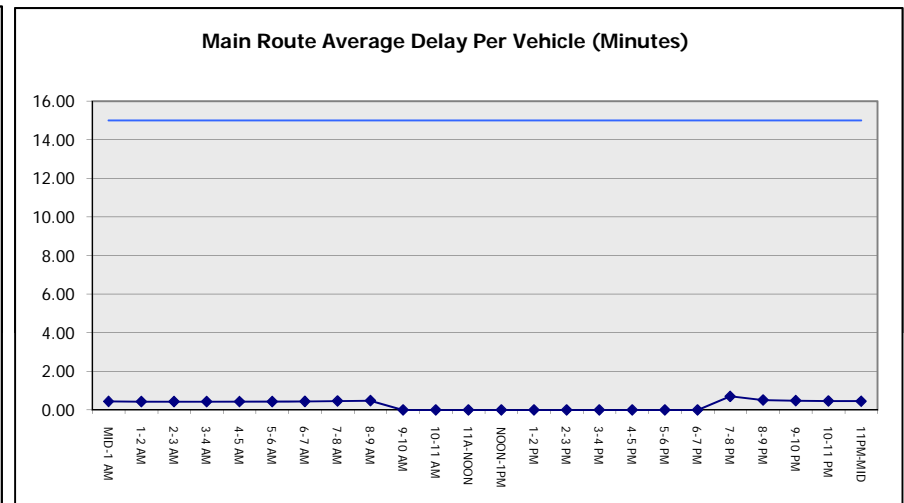
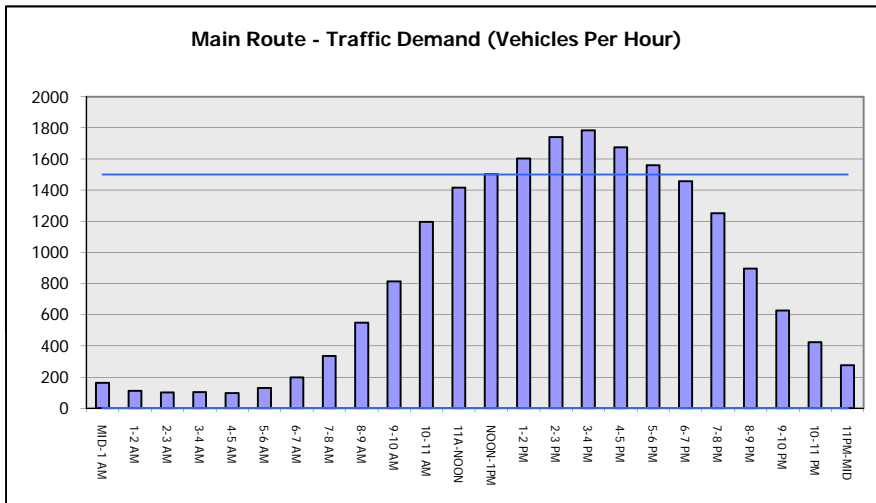
*Delays Exceeding 15 Minutes

IH 90/94: USH 12/STH 16 TO IH 39 (COLUMBIA, SAUK AND JUNEAU COUNTIES)
NIGHTTIME 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) NIGHTTIME 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	OFF	938	0	387	0.00	0	64.6	64.6	64.6	39.2	39.2
10-11 AM	1112	0.0	458	0.0	OFF	1112	0	458	0.00	0	64.3	64.3	64.3	38.2	38.2
11A-NOON	1297	0.0	534	0.0	OFF	1297	0	534	0.00	0	64.0	64.0	64.0	37.1	37.1
NOON-1PM	1404	0.0	578	0.0	OFF	1404	0	578	0.00	0	63.8	63.8	63.8	36.5	36.5
1-2 PM	1678	0.0	691	0.0	OFF	1678	0	691	0.00	0	63.3	63.3	63.3	34.8	34.8
2-3 PM	1832	0.0	754	0.0	OFF	1832	0	754	0.00	0	63.0	63.0	63.0	34.0	34.0
3-4 PM	1844	0.0	759	0.0	OFF	1844	0	759	0.00	0	63.0	63.0	63.0	33.9	33.9
4-5 PM	1833	0.0	755	0.0	OFF	1833	0	755	0.00	0	63.0	63.0	63.0	34.0	34.0
5-6 PM	1511	0.0	622	0.0	OFF	1511	0	622	0.00	0	63.6	63.6	63.6	35.8	35.8
6-7 PM	1334	0.0	549	0.0	OFF	1334	0	549	0.00	0	63.9	63.9	63.9	36.9	36.9
7-8 PM	1078	0.0	443	0.0	1500	1078	0	443	0.53	0	64.4	61.8	41.4	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

"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	0.0426
MAIN ROUTE WITH WORKS	0.0422
DIVERSION	0.0617

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$567
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

