

IH 43: STH 20 TO STH 164 (WAUKESHA AND WALWORTH COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 83 - CTH L - STH 20	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	267	0.0	33	0.0	1500	267	0	33	0.45	0	65.9	60.3	44.4	29.5	29.5
1-2 AM	161	0.0	20	0.0	1500	161	0	20	0.44	0	66.1	60.5	44.8	29.6	29.6
2-3 AM	121	0.0	15	0.0	1500	121	0	15	0.43	0	66.1	60.7	45.0	29.7	29.7
3-4 AM	84	0.0	10	0.0	1500	84	0	10	0.43	0	66.2	60.8	45.1	29.7	29.7
4-5 AM	110	0.0	13	0.0	1500	110	0	13	0.43	0	66.2	60.7	45.0	29.7	29.7
5-6 AM	211	0.0	26	0.0	1500	211	0	26	0.44	0	66.0	60.4	44.6	29.6	29.6
6-7 AM	429	0.0	53	0.0	1500	429	0	53	0.46	0	65.6	59.9	43.8	29.3	29.3
7-8 AM	665	0.0	82	0.0	1500	665	0	82	0.49	0	65.1	59.2	42.9	29.0	29.0
8-9 AM	858	0.0	107	0.0	1500	858	0	107	0.51	0	64.8	58.7	42.2	28.8	28.8
9-10 AM	931	0.0	116	0.0	1500	931	0	116	0.51	0	64.6	58.6	41.9	28.7	28.7
10-11 AM	1059	0.0	131	0.0	1500	1059	0	131	0.52	0	64.4	58.2	41.5	28.6	28.6
11A-NOON	1128	0.0	140	0.0	1500	1128	0	140	0.54	0	64.3	57.9	40.9	28.5	28.5
NOON-1PM	1200	0.0	149	0.0	1500	1200	0	149	0.64	0	64.1	56.8	38.4	28.4	28.4
1-2 PM	1221	0.0	151	0.0	1500	1221	0	151	0.66	0	64.1	56.5	37.8	28.4	28.4
2-3 PM	1246	0.0	154	0.0	1500	1246	0	154	0.70	0	64.1	56.2	37.0	28.3	28.3
3-4 PM	1247	0.0	154	0.0	1500	1247	0	154	0.70	0	64.1	56.1	37.0	28.3	28.3
4-5 PM	1201	0.0	149	0.0	1500	1201	0	149	0.64	0	64.1	56.8	38.4	28.4	28.4
5-6 PM	1044	0.0	130	0.0	1500	1044	0	130	0.52	0	64.5	58.2	41.5	28.6	28.6
6-7 PM	863	0.0	107	0.0	1500	863	0	107	0.51	0	64.8	58.7	42.2	28.8	28.8
7-8 PM	733	0.0	91	0.0	1500	733	0	91	0.49	0	65.0	59.1	42.7	28.9	28.9
8-9 PM	739	0.0	91	0.0	1500	739	0	91	0.49	0	65.0	59.1	42.6	28.9	28.9
9-10 PM	771	0.0	95	0.0	1500	771	0	95	0.50	0	65.0	58.9	42.5	28.9	28.9
10-11 PM	544	0.0	67	0.0	1500	544	0	67	0.48	0	65.4	59.6	43.3	29.2	29.2
11PM-MID	401	0.0	50	0.0	1500	401	0	50	0.46	0	65.6	59.9	43.9	29.3	29.3

----- 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	0.0145
MAIN ROUTE WITH WORKS	0.0134
DIVERSION	0.0178

PIA: Personal Injury Accidents

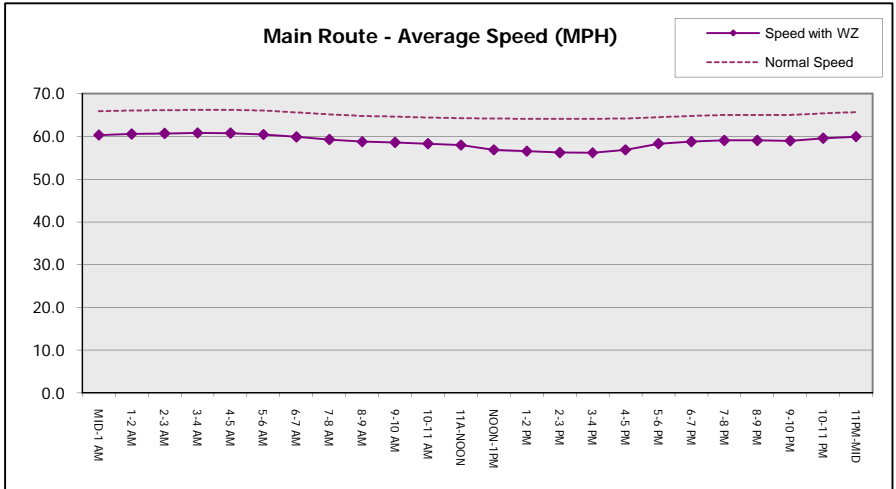
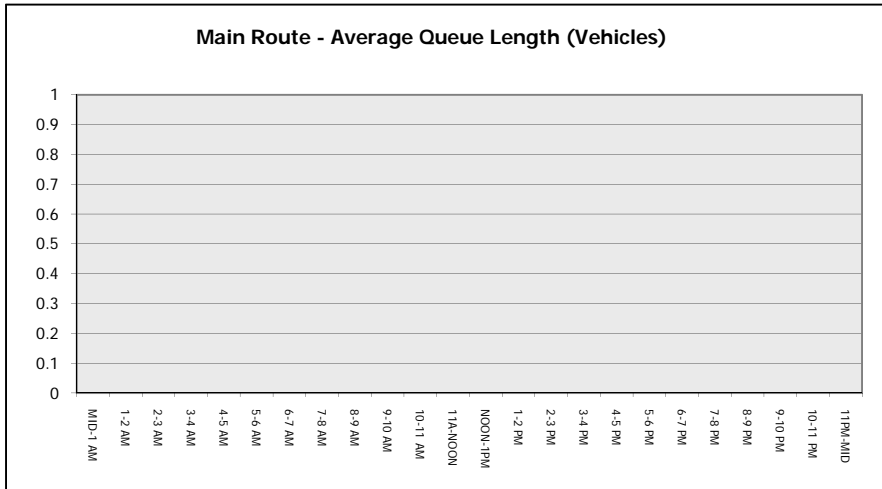
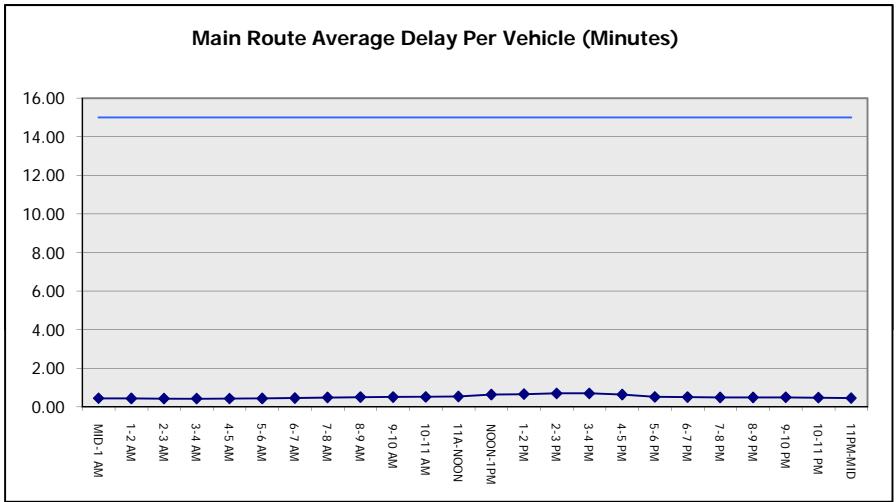
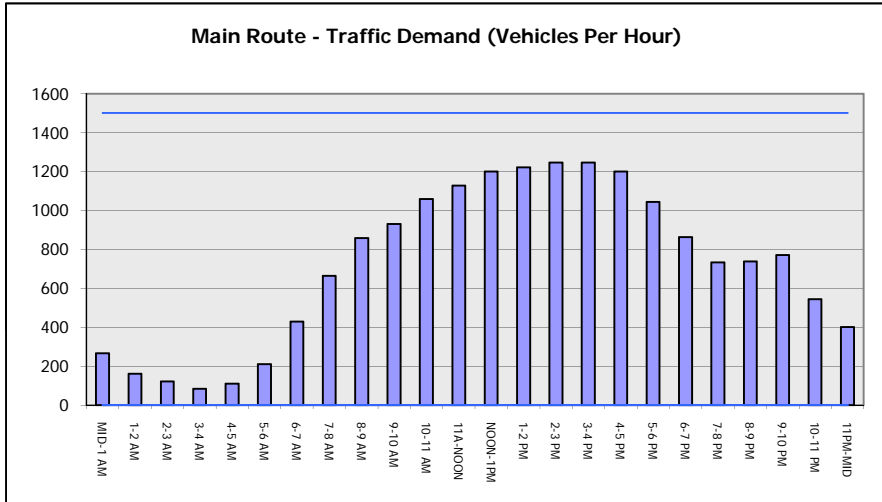
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,456
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 83 - CTH L - STH 20

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



IH 43: STH 20 TO STH 164 (WAUKESHA AND WALWORTH COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 83 - CTH L - STH 20	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	160	0.0	20	0.0	1500	160	0	20	0.44	0	66.1	60.5	44.8	29.6	29.6
1-2 AM	107	0.0	13	0.0	1500	107	0	13	0.43	0	66.2	60.7	45.1	29.7	29.7
2-3 AM	97	0.0	12	0.0	1500	97	0	12	0.43	0	66.2	60.7	45.1	29.7	29.7
3-4 AM	105	0.0	13	0.0	1500	105	0	13	0.43	0	66.2	60.7	45.1	29.7	29.7
4-5 AM	176	0.0	22	0.0	1500	176	0	22	0.44	0	66.1	60.5	44.8	29.6	29.6
5-6 AM	372	0.0	47	0.0	1500	372	0	47	0.46	0	65.7	60.0	44.0	29.4	29.4
6-7 AM	487	0.0	60	0.0	1500	487	0	60	0.47	0	65.5	59.7	43.5	29.2	29.2
7-8 AM	700	0.0	86	0.0	1500	700	0	86	0.49	0	65.1	59.1	42.8	29.0	29.0
8-9 AM	907	0.0	113	0.0	1500	907	0	113	0.51	0	64.7	58.6	42.0	28.8	28.8
9-10 AM	1023	0.0	127	0.0	1500	1023	0	127	0.52	0	64.5	58.3	41.6	28.6	28.6
10-11 AM	1133	0.0	140	0.0	1500	1133	0	140	0.55	0	64.3	57.8	40.7	28.5	28.5
11A-NOON	1223	0.0	151	0.0	1500	1223	0	151	0.67	0	64.1	56.5	37.7	28.4	28.4
NOON-1PM	1219	0.0	151	0.0	1500	1219	0	151	0.66	0	64.1	56.6	37.9	28.4	28.4
1-2 PM	1194	0.0	148	0.0	1500	1194	0	148	0.63	0	64.1	56.9	38.6	28.4	28.4
2-3 PM	1217	0.0	151	0.0	1500	1217	0	151	0.66	0	64.1	56.6	37.9	28.4	28.4
3-4 PM	1238	0.0	153	0.0	1500	1238	0	153	0.69	0	64.1	56.3	37.3	28.4	28.4
4-5 PM	1255	0.0	155	0.0	1500	1255	0	155	0.71	0	64.0	56.1	36.8	28.3	28.3
5-6 PM	1122	0.0	139	0.0	1500	1122	0	139	0.54	0	64.3	58.0	41.1	28.5	28.5
6-7 PM	972	0.0	121	0.0	1500	972	0	121	0.52	0	64.6	58.4	41.8	28.7	28.7
7-8 PM	759	0.0	94	0.0	1500	759	0	94	0.50	0	65.0	59.0	42.5	28.9	28.9
8-9 PM	625	0.0	77	0.0	1500	625	0	77	0.48	0	65.2	59.4	43.0	29.1	29.1
9-10 PM	562	0.0	70	0.0	1500	562	0	70	0.48	0	65.3	59.5	43.3	29.1	29.1
10-11 PM	379	0.0	47	0.0	1500	379	0	47	0.46	0	65.7	60.0	44.0	29.4	29.4
11PM-MID	280	0.0	34	0.0	1500	280	0	34	0.45	0	65.9	60.2	44.3	29.5	29.5

----- 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	0.0146
MAIN ROUTE WITH WORKS	0.0135
DIVERSION	0.0179

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,530
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: STH 83 - CTH L - STH 20**

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY NORTHBOUND DIRECTION

