

Safety Certification Document

Analyst: Greg Gard, Jr.
 Agency: Wisconsin Department of
 Transportation
 Date of Analysis: April 2019

Design ID: 1360-12-00
 Highway: 107th St. Bridge (over STH 145)
 Project Title: Fond Du Lac, City of Milwaukee

1. Did the project have Meta-Manager Safety Flags? Yes ☐ No ☒

Comments: No safety flags due to local road. All safety flags were on STH 145 and run off the road flag on ramp.

2. Did relevant crashes remain after initial Crash Vetting Process? Yes ☐ No ☒

Comments: Almost all crashes were driver error or roadway conditions due to weather.

3. Are safety improvements needed to address concerns after the CGA Process? Yes ☐ No ☒

Comments: No crashes remained after vetting process.

4. Were safety mitigation alternatives analyzed in this project? Yes ☐ No ☒

4.1. Provide narrative of existing geometric conditions

4.2. Provide narrative of crash history that was used to begin the SMCP

4.3. Provide narrative of safety mitigation alternatives analyzed in SMCP


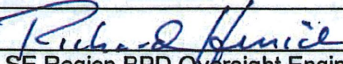
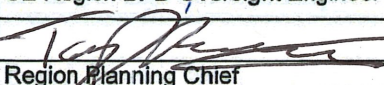
4.4. Analysis Results

The table below summarizes alternative crash forecasts, cost, and benefit/cost ratio for the total project.

Total Project Analysis	Base	Alt. A	Alt. B	Alt. C	Add columns
Name					
Analysis Method					
Fatal & Injury					
Property Damage					
Total					
Cost					
B/C					

- 4.5. Provide narrative of reasonable and acceptable safety mitigation alternatives for consideration in the project improvement process

5. Approval

 SE Region Safety Engineer	4-24-19 Date:
 SE Region BPD Oversight Engineer	4/26/19 Date:
 Region Planning Chief	5/6/19 Date:

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Region Planning Chief	Date


ATTACHMENTS

- A. Project Location/Overview Map
- B. Sites of Promise Documentation
 - a. Meta-Manager file (XLS kept in electronic file)
- C. Crash Vetting Documentation
 - a. WisTransPortal crash data spreadsheet with vetting comments (PDF)
- D. Safety Certification Worksheet (PDF)
- ~~E. Safety Mitigation Certification Documentation~~
 - ~~a. IHSDM output report (PDF)~~
 - ~~b. IHSDM final working files (native file format kept in electronic file)~~
 - ~~c. Highway Safety Benefit Cost Analysis Tool results (PDF)~~

1360-12-00

STH 145/Good Hope and 107th St

Legend

 Deck Replacement-OP

B-40-251- Deck Replacement-OP

B-40-250 - Deck Replacement-OP

145

B-40-252 - Deck Replacement-OP

Fond Du Lac Fwy
W Leon Terrace

Google earth

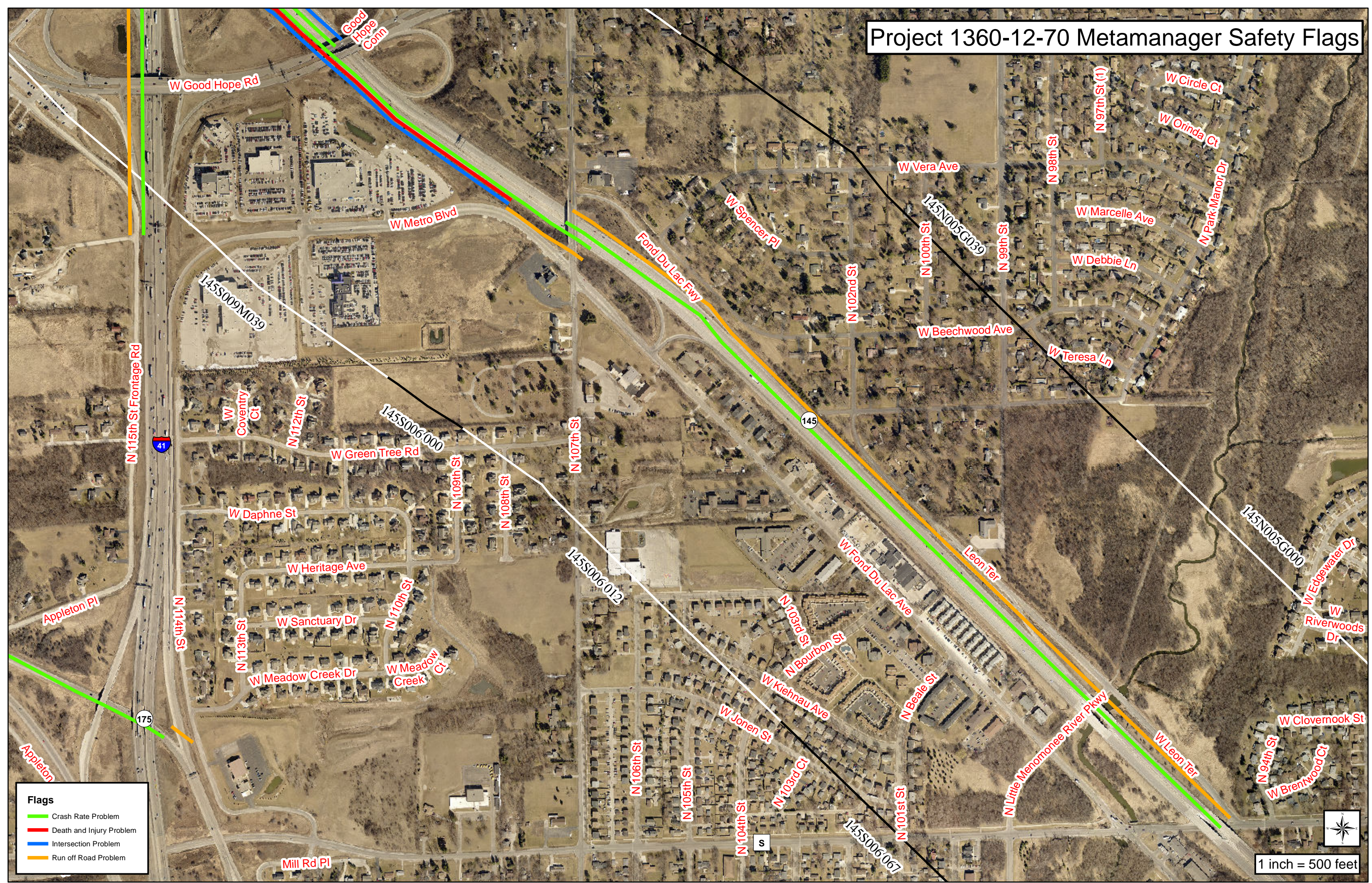
© 2016 Google

1000 ft



<u>PDP_ID</u>	<u>SEQNO</u>	<u>TRAF_SEG_ID</u>	<u>RECKEY</u>	<u>FOS_PROJ_ID</u>	<u>PDP_FRM</u>	<u>PDP_TO</u>	<u>PDP_MILE</u>	<u>ACSI_INTS_NM</u>	<u>HWY&DIR</u>	<u>RATE</u>	<u>RATEFLAG</u>	<u>CRASHES</u>	<u>CRASHYR5</u>	<u>CRASHYR4</u>	<u>CRASHYR3</u>	<u>CRASHYR2</u>	<u>CRASHYR1</u>
18525	123490	9114	24014525		145N005G000	145N005G039	0.39		145N	100.295	1.14	1.4	0	4	2	1	0
18526	123490	9115	24014525		145N005G039	145N006 000	0.67		145N	100.995	1.26	2.6	4	3	1	2	3
18527	123500	9116	24014525		145N006 000	145N006 034	0.34		145N	65.881	0.00	0.8	2	2	0	0	0

Project 1360-12-70 Metamanager Safety Flags



ACSI_INTS_NM	DOCTNMBR	ACCDDATE	ACCTIME	ACCDNMBR	MUNICIPALITY	MNRCOLL	ROADCOND	WTHRCOND	ACCDSVR	INJSVR	RPNMBR	INCLUDE/EXCLUDE ACCIDENT	COMMENTS:	LAT	LON
107TH ST N	9GD7FQZ	3/20/2010	3:00 PM	100791019	Milwaukee	NO		CLR	PD			EXCLUDE	DRIVER ERROR/MEDICAL CONDITION. DRIVER WAS FEELING DIZZY, DIDN'T REALIZE HE RAN RED LIGHT AND STRUCK A MAILBOX OF HOME JUST SOUTH OF WEST GRANVILLE PRESBYTERIAN CHURCH.	43.1434974	-88.0451466
FOND DU LAC AVE W	9GF3CMH	3/26/2010	6:10 PM	100851782	Milwaukee	NO		CLR	INJ	C		EXCLUDE	DRIVER ERROR/VEHICLE MALFUNCTION. DRIVER WAS GOING NB ON 107TH, MADE LEFT TURN ONTO W. FDL AVE. WHEN HIS STEERING WHEEL BEGAN SHAKING. DRIVER LOST CONTROL OF VEHICLE AND HIT LIGHT POLE. BOTH DRIVERS WERE TAKEN TO HOSPITAL COMPLAINING OF NECK/BACK/LEG PAIN.	43.1436093	-88.0451454
NB RAMP	BMQ4GV8	3/27/2010	1:27 AM	NONE	Milwaukee	NO		CLDY	INJ	C	005Y	EXCLUDE	*Must Read! DRIVER ERROR/RAMP ACCIDENT. DRIVER ACCELERATED ON RAMP AND COULDN'T NEGOTIATE THE CURVE. LOST CONTROL OF VEHICLE AND DROVE ONTO GRASS MEDIAN.	43.1450117	-88.0451303
107TH ST N	9GCW2N7	5/8/2010	4:10 PM	101281157	Milwaukee	ANGL		CLDY	INJ			EXCLUDE	DRIVER ERROR. 2 CAR ACCIDENT. BOTH WERE GOING SB ON 107TH ST. UNIT 2 DECIDED TO MAKE A U-TURN AT THE W. FDL AVE. INTERSECTION WHEN UNIT 1 STRUCK VEHICLE.	43.1436093	-88.0451454
NB RAMP	BMQWFR5	10/2/2010	3:10 AM	NONE	Milwaukee	NO		CLDY	PD		005V	EXCLUDE	DRIVER ERROR/HIT AND RUN. DRIVER NEGOTIATED NB OFF RAMP TO 107TH ST. TOO FAST. CAME OFF ROADWAY ON RIGHT SIDE AND STRUCK TRAFFIC SIGN AND THEN PROCEEDED FORWARD AND STRUCK UTILITY POLE. DRIVER THEN DROVE OFF.	43.144937	-88.0446701
	A291278	12/4/2010	9:00 AM	NONE	Milwaukee	NO	SNOW	SNOW	PD		6	EXCLUDE	DRIVER ERROR. LOST CONTROL OF VEHICLE STRIKNG MEDIAN WALL DUE TO SNOW ON ROADWAY.	43.1443334	-88.044986
107TH ST N	9H0GVQ1	8/26/2011	1:30 PM	WALK IN	Milwaukee	REAR		CLR	PD			EXCLUDE	DRIVER ERROR. DRIVER WAS STOPPED AT SIGNAL BY US 145 ENTANCE RAMP SOUTH OF BRIDGE, WHEN THE DRIVER BEHIND HER STRUCK HER IN THE REAR OF THE CAR. DRIVER WHO STRUCK VEHICLE CLAIMS SHE WASN'T PAYING ATTENTION.	43.1436093	-88.0451454
FOND DU LAC AVE W	9GTL623	10/22/2011	10:30 PM	NONE	Milwaukee	SSS		CLDY	PD			EXCLUDE	DRIVER ERROR/HIT AND RUN. DRIVER 1 SIDE-SWIPE DRIVER 2 IN LEFT-TURN LANE AT INTERSECTION OF 107TH ST./W. FOND DU LAC AVE. DRIVER 1 FLED SCENE W/OUT GIVING INSURANCE OR MEDICAL ATTENTIO. DRIVER 2 THEN FLED SCENE ON FOOT.	43.1436093	-88.0451454
FOND DU LAC AVE W	9GD7FTF	1/12/2012	3:45 PM	120121721	Milwaukee	NO	SNOW	SNOW	PD			EXCLUDE	DRIVER ERROR/ROAD CONDITIONS. DRIVER WAS NEGOTIATING TURN FROM SB 107TH ST. TO EB W. FOND DU LAC AVE. WHEN SHE SLID INTO THE CURB. SHE HAD FRONT AXLE DAMAGE. ROADWAY WAS FULL OF SLUSHY-LIKE SNOW.	43.1435044	-88.0450042
NB RAMP	BMQXX97	2/19/2012	8:15 AM	NONE	Milwaukee	REAR		CLR	INJ		005Y	EXCLUDE	DRIVER ERROR/HIT AND RUN. DRIVER 1 WAS STOPPED AT THE STOP SIGN ON NB EXIT RAMP WAITING TO TURN ONTO 107TH ST. WHEN VEHICLE BEHIND HER HIT HER FROM BEHIND. DRIVER 1 MOVED VEHICLE OFF ROAD/RAMP AND DRIVER 2 TOOK OFF.	43.1450117	-88.0451303
107TH ST N	QPRMNF6	6/8/2012	7:35 AM	121600676	Milwaukee	ANGL		CLR	INJ	B		EXCLUDE	DRIVER ERROR. LIGHT AT INTERSECTION OF 107TH ST. AND W. FOND DU LAC AVE. WAS TURNING YELLOW. DRIVER WAS MAKING A LEFT TURN AS ANOTHER DRIVER CAME THROUGH INTERSECTION COLLIDING WITH LEFT-TURN DRIVER.	43.1436093	-88.0451454
107TH ST N	QQ9STZF	6/9/2012			Milwaukee	HEAD		CLR	INJ	C			CANNOT FIND REPORT	43.142606	-88.0451565
107TH ST N	QQL1HZN	7/30/2012			Milwaukee	HEAD		CLR	INJ	B			CANNOT FIND REPORT	43.1436093	-88.0451454
	QPV30F3	10/28/2012	1:22 AM	123020168	Milwaukee	NO		CLR	INJ	C	005V	EXCLUDE	DRIVER ERROR. DRIVER NEGOTIATED NB OFF RAMP TO 107TH ST. TOO FAST. LOST CONTROLL AND STRUCK TRAFFIC SIGN AND UTILITY POLE.	43.1449744	-88.0449002
107TH ST N	QQ0JBDW	12/15/2012			Milwaukee	NO		CLDY	PD				CANNOT FIND REPORT	43.1436093	-88.0451454
107TH ST N	QQ9XK3N	2/14/2013			Milwaukee	NO	ICE	CLDY	PD				CANNOT FIND REPORT	43.1436093	-88.0451454
107TH ST N	QQ9S3S1	5/7/2013			Milwaukee	REAR		CLR	INJ	B			CANNOT FIND REPORT	43.1436093	-88.0451454
107TH ST N	QPZZ99X	12/19/2014			Milwaukee	NO	WET	CLR	PD				CANNOT FIND REPORT	43.144871	-88.0451318
METRO BLVD W	QQ0LK5G	2/18/2015			Milwaukee	NO	SNOW	CLR	PD				CANNOT FIND REPORT	43.1436093	-88.0451454
107TH ST N	QQ401K5	4/18/2015			Milwaukee	NO		CLR	PD				CANNOT FIND REPORT	43.142606	-88.0451565
107TH ST N	QPXT74F	6/20/2015	9:10 PM	151712942	Milwaukee	SSS		CLR	INJ	C		EXCLUDE	DRIVER ERROR. DRIVER FAILED TO YEILD RIGHT OF WAY AND STRUCK VEHICLE MAKING LEFT TURN ONTO W. FOND DU LAC AVE.	43.1436093	-88.0451454
FOND DU LAC FWY	BN0T772	10/11/2015	1:29 AM	NONE	Milwaukee	NO		CLR	PD		005Y	EXCLUDE	DRIVER ERROR/HIT AND RUN. AT NB EXIT RAMP TERMINAL AND 107TH ST. DRIVER HIT "WRONG WAY" SIGN POST AND LIGHT POLE. WIRES WERE EXPOSED SO POLICE MOVED SIGN AND POLE OUT OF WAY.	43.1450117	-88.0451303
W FOND DU LAC AVE	QQ23QST	4/30/2016			Milwaukee	REAR	WET	RAIN	PD				CANNOT FIND REPORT	43.1436093	-88.0451454
FOND DU LAC FWY	1ML0M1L4FN	1/16/2017	8:15 AM	17-006472	Milwaukee	NO	WET	SLEET	INJ	C	005V	EXCLUDE	DRIVER ERROR. DRIVER WAS COMING FROM NB 145 EXIT RAMP TO 107TH ST. SHE STARTED SLIDING AT TERMINAL AND INSTEAD OF SLIDING INTO TRAFFIC ON 107TH ST, SHE SWERVED AND SLID INTO LIGHT POLE AT RAMP TERMINAL.	43.144947	-88.0447247
N 107TH ST	J9L00LHJN5	3/1/2017			Milwaukee	REAR	SNOW	SNOW	PD				CANNOT FIND REPORT	43.1436078	-88.0451449
N 107TH ST	J9LOWNTWRQ	3/18/2017			Milwaukee	NO	WET	RAIN	INJ	A			CANNOT FIND REPORT	43.1456115	-88.0451235
N 107TH ST	1ML0P0TWRJ	3/19/2017	10:08 AM	17-034808	Milwaukee	NO		CLR	PD		005Y	EXCLUDE	DRIVER ERROR. DRIVER WAS LOCKED ON BY SQUAD CAR TRAVELING AT 98 MPH ON NB US 145. DRIVER ATTEMPTED TO TURN FROM RAMP ONTO SB 107TH ST. AND HIT THE NW BRIDGE PARAPET. DRIVER THEN ATTEMPTED TO FLEE ON FOOT.	43.1449895	-88.0451302
N 107TH ST	J9L07HWRB5	5/11/2017			Milwaukee	SSS		CLR	PD		005Y		CANNOT FIND REPORT	43.1450126	-88.04513

= POLICE REPORT ON FILE

= RAMP. POLICE REPORT ON FILE

= NO POLICE REPORT FOUND

