

SAFETY APPLICATION SUMMARY

Wallings Road Safety and Corridor Study

District 12

Cuyahoga County
May 2015

Crash Data

CATEGORY	DATA	SCORE
Expected Crash Frequency	45.50	10
Ratio of Fatal and Serious to Total	0.01	1
% of Potential for Safety Improvement	12.40%	20
Relative Severity Index	\$28,524	10
Equivalent Property Only Index	3.14	3
Volume to Capacity Ratio	2.39	10
Benefit / Cost Ratio	1.22	6
Safety Fund Request Percentage	35.93%	5
Total Project Score		65

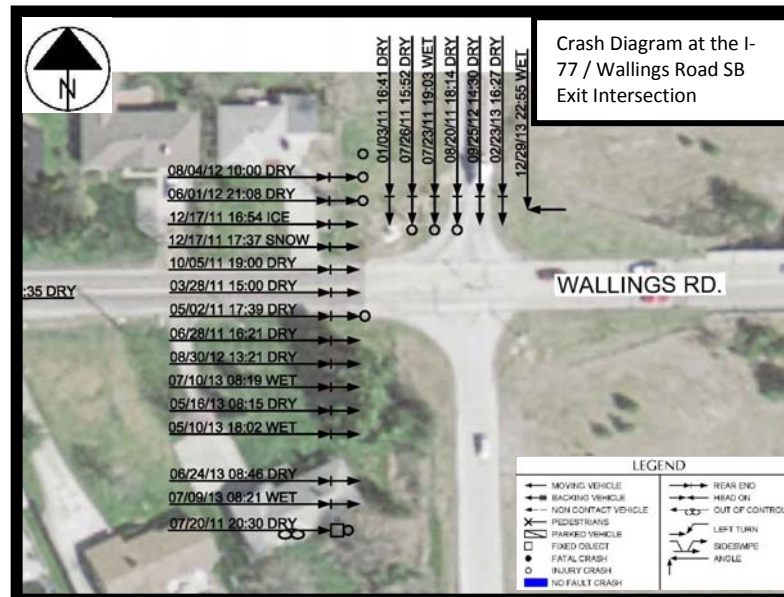
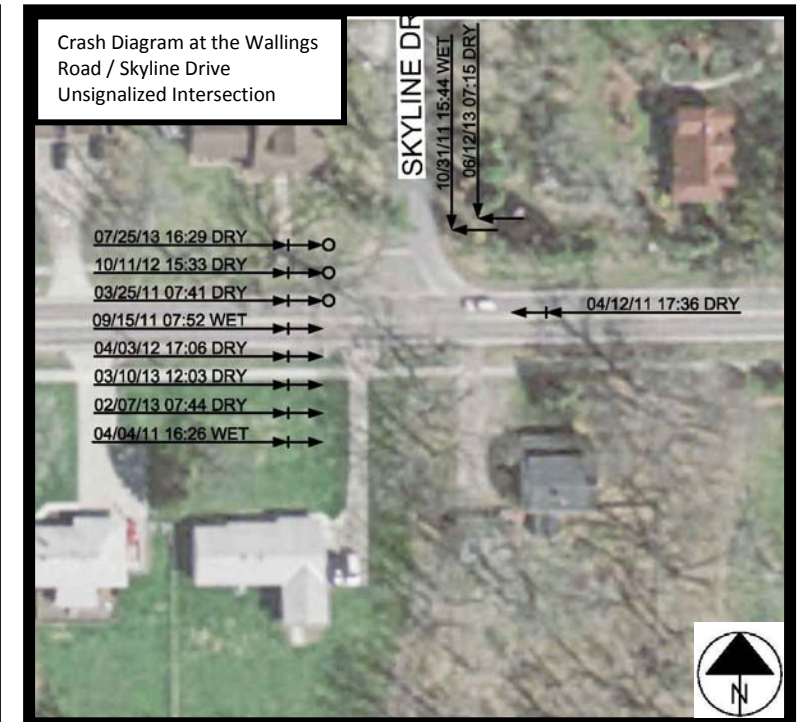
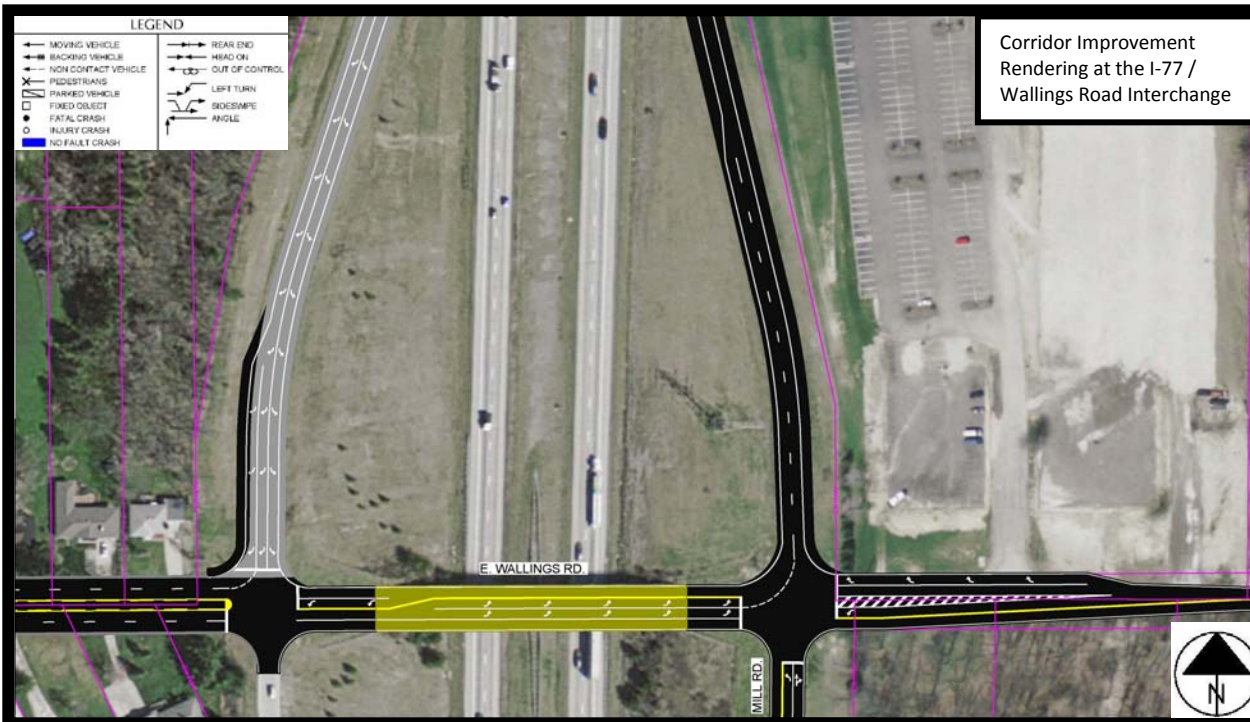
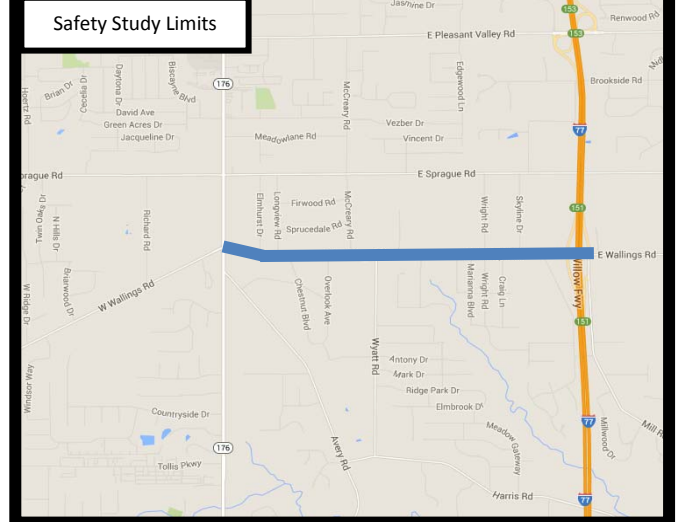
Proposed Countermeasures

- Widen Wallings Road to accommodate a center two-way left turn lane
- Construct a WB right turn lane at the Wallings Rd / McCreary Rd intersection
- Construct a WB right turn lane at the Wallings Rd / Wright Rd intersection
- Remove the traffic signal at the Wallings Road / Wright Road intersection
- Construct an EB right turn lane at the Wallings Rd / West Mill Rd intersection
- Reconstruct the Wallings Road Bridge over I-77 to accommodate 4 lanes
- Construct a second WB left turn lane at the Wallings Rd / I-77 NB ramps intersection
- Widen the I-77 NB entrance ramp to provide two (2) lanes
- Widen Mill Road to accommodate a NB left turn lane
- Widen the I-77 SB exit ramp to accommodate a second right turn lane and construct a second WB lane to receive the traffic from the two exit lanes
- Widen Wallings Rd from east of West Mill Rd to the I-77 NB entrance ramp

Project Funding

PROJECT PHASE	FISCAL YEAR	NEW SAFETY	OTHER SOURCES	SPONSOR	TOTAL
Interchange Mod. Study	2016	\$72,000.00	\$0.00	\$8,000.00	\$0.00
Environmental / PE:	2017	\$726,048.00	\$0.00	\$80,672.00	\$806,720.00
Detailed Design:	2018	\$726,048.00	\$0.00	\$80,672.00	\$806,720.00
ROW / Utilities:	2019	\$937,800.00	\$0.00	\$104,200.00	\$1,042,000.00
Construction:	2020	\$2,538,104.00	\$6,977,698.40	\$2,378,950.60	\$11,894,753.00
Total:		\$5,000,000.00	\$6,977,698.40	\$2,652,494.60	\$14,630,193.00

*Note –Future funding requests will be made to NOACA and for ODOT Bridge Funds. Local funds will be paid for by the City of Broadview Heights. A future ODOT Urban Paving application will also be made.



Safety Study and Application Prepared By:

GPD GROUP
Civil, Public, Seismic, Marine & Offshore, Inc.

