

Appendix B1

Sight Distance Data

Sight Distance Measurements

ID	Location	Direction	Grade	Posted Speed	85th Percentile Speed	Left -Turn from Minor Road				Right -Turn from Minor Road			Left -Turn from Major Road		
						Required Sight Distance	Looking left	Looking right	Pass/Fail	Required Sight Distance	Looking left	Pass/Fail	Required Sight Distance	Looking straight	Pass/Fail
A	N Branch Road	WB	2.9	40	43	475	>475	410	Fail	415	>475	Pass	350		
B	Simonfield Road	EB	0.7	40	43	475	430	320	Fail	415	430	Pass	350		
C	Community College Drive	WB	1.0	40	43	510	150	300	Pass ¹	415	150	Pass ¹	350		
D	W Shaffer Road	WB	1.9	40	43	475	425	>475	Fail	415	425	Pass	350		
D	E Shaffer Road	EB	4.7	40	43	535	>535	390	Fail	445	>535	Pass	410		
E	Pleasant Drive	WB	-2.5	40	43	550	655	575	Pass	415	775	Pass	350		
F	Mt Carmel Lane	EB	-4.4	40	43	475	>475	>475	Pass	415	>475	Pass	350		
F	Orchard Street	WB	5.6	40	43	545	535	>545	Fail	450	535	Pass	420		
G	Chapel Road	WB	2.3	35	38	420	>420	425	Pass	365	>420	Pass	310		
H	20 th Street	WB	-1.3	35	38	420	380	>420	Fail	365	380	Pass	310		
H	Wigwam Road	EB	3.4	35	38	460	>460	300	Fail	385	>460	Pass	350		
I	Woodbine Road	EB	-1.0	35	38	420	220	>420	Fail	365	220	Fail	310		
J	Forge Road	EB	-3.8	35	38	420	>420	315	Fail	365	>420	Pass	310		
K	W Laird Avenue	EB	5.7	35	38	485	475	315	Fail	395	475	Pass	375		
K	E Laird Avenue	WB	-2.4	35	38	420	400	>420	Fail	365	400	Pass	310		
L	Longvue Avenue	WB	-0.2	35	38	420	>420	>420	Pass	365	>420	Pass	310		
M	Cleveland Avenue	WB	-0.3	35	38	420	230	>420	Fail	365	230	Fail	310	255	Fail
N	Harding Avenue	WB	2.2	35	38	420	>420	195	Fail	365	>420	Pass	310		
O	Miller Lane	WB	1.9	35	38	420	315	>420	Fail	365	315	Fail	310		
P	Tee Line Drive	WB	-4.1	35	38	420	>420	>420	Pass	365	>420	Pass	310		
Q	Ohioview Avenue	WB	-8.2	35	38	420	150	230	Fail	365	150	Fail	310		
R	Morrow Avenue	WB	-6.1	35	38	420	255	>420	Fail	365	255	Fail	310		
R	Yale Drive	EB	8.9	35	38	520	255	290	Fail	415	255	Fail	410	255	Fail
S	Sharon Grange Rd	EB	7.8	35	38	510	150	255	Fail	410	150	Fail	395		
S	Bocktown Road	WB	-5.0	35	38	420	455	320	Fail	365	455	Pass	310		

¹ Fails Sight Distance Requirements, but movements are controlled by signal
Study Intersection

SOURCES: (1) PennDOT Pub 13 (DM-2)
(2) A Policy on Geometric Design of Highways and Streets 2018 7th Edition