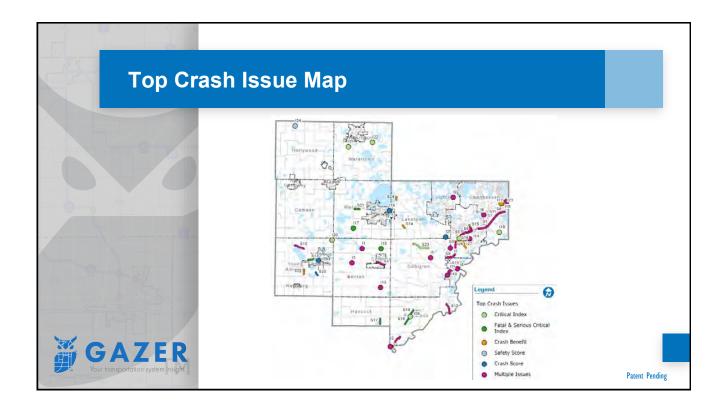
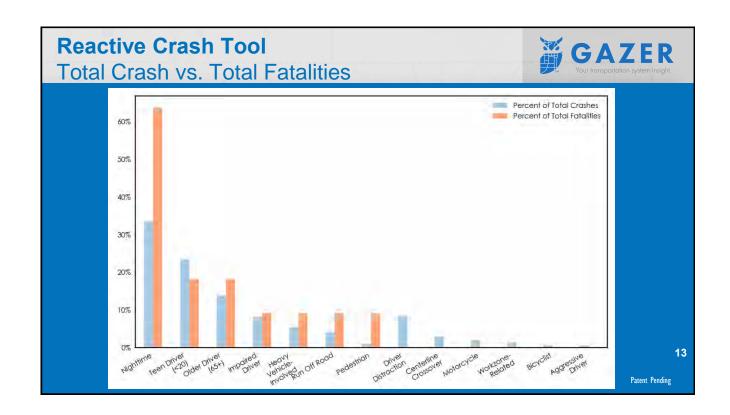
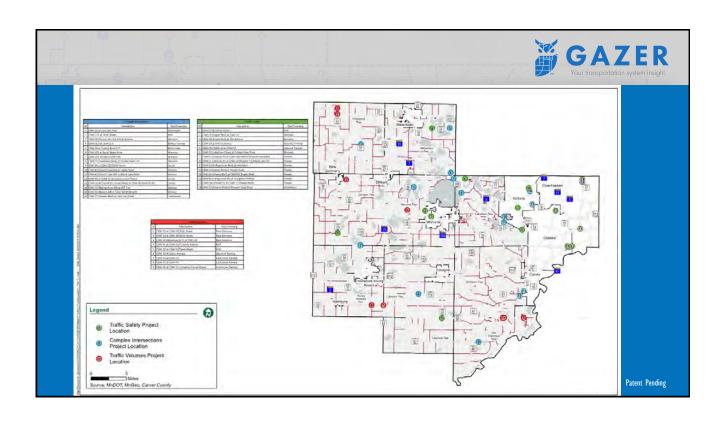
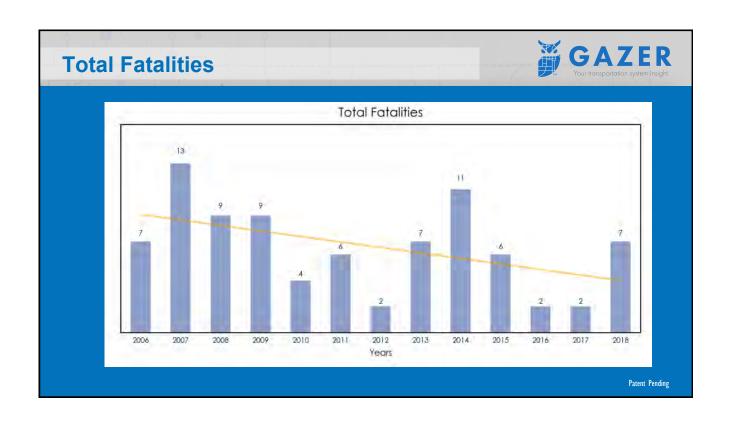


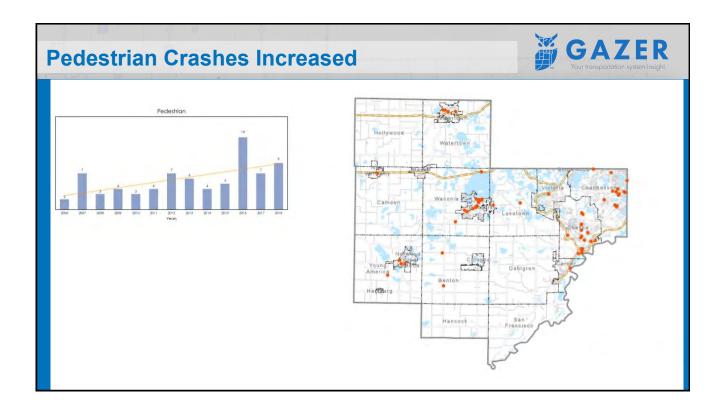
	Label	ID	Roads	Fatal & Serious Crashes Critical Index	Crash Benefit	Crash Score	Safety Score	Critical Index	Fatal & Suspected Serious Critica Index
					Inters	section/Seg	ment In Top	Ten:	
	I1	CACO-I-1000	CR-153 & KNAUER LN	✓	✓	✓	✓		
	12	CACO-I-1248	CSAH-11 (JONATHAN CARVER PKWY) & CR-140	✓		✓	✓	✓	
	13	CACO-I-3112	US-212 & CR-51	✓	✓		✓		
	14	CACO-I-2465	MN-25 & CR-40			✓	✓	✓	
	15	CACO-I-3111	US-212 & CR-43	✓	1		1		
	16	CACO-I-1333	CSAH-15 (AUDUBON RD) & CSAH-18 (LYMAN BLVD)		✓			✓	
	17	CACO-I-2560	MN-41 (N CHESTNUT ST) & HUNDERTMARK RD		1	✓			
	18	CACO-I-1510	CSAH-40 (MAIN ST W) & HICKORY ST	✓			1		
	19	CACO-I-2615	MN-5 (ARBORETUM BLVD) & CSAH-13 (BAVARIA RD) & CSAH-13 (ROLLING ACRES RD)		1	✓			
	I10	CACO-I-1249	CSAH-11 (JONATHAN CARVER PKWY) & CR-40	✓			✓		
	l11	CACO-I-1241	CSAH-11 (JONATHAN CARVER PKWY) & 4TH ST W	✓			1		
	112	CACO-I-2618	MN-5 (ARBORETUM BLVD) & CHANHASSEN RD & DAKOTA AVE		✓	✓			
, l	l13	CACO-I-1160	CR-53 & 150TH ST	✓			✓		
Intersections	l14	CACO-I-2555	MN-41 (N CHESTNUT ST) & CSAH-10 (ENGLER BLVD) & CR-10		1	1			
sect	l15	CACO-I-2509	MN-284 & CR-153 & 118TH ST	✓					
ters	l16	CACO-I-2578	CR-30 & CSAH-59 (MAIN ST E) & CR-59 & MN-5 & MN-5 (CR-30) & CSAH-30 (MAIN ST E)			✓			
드	117	CACO-I-2570	MN-5 & 102ND ST	<i>J</i>					

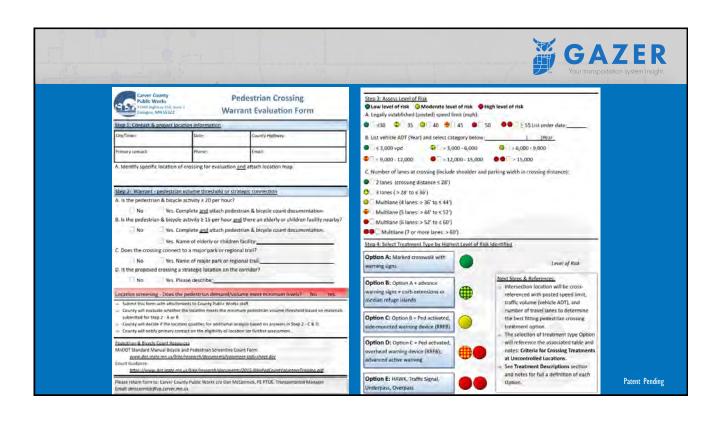














## **Mitigation Strategy Table**



Mitigation Strategy	CMF IDs	Applicable CMFs	Service Life	Crash Reduction Benefit	Construction Cost	ROW Cost	B/C Ratio (w/o ROW)	B/C Ratio (w/ROW)
Reduce Access - Three-Quarter Intersection	CALC	0.0	20	\$6,641,114	\$150,000	\$50,000	44.27	33.21
Install Traffic Signal	325, 328, 327, 326	0.56, 1.58, 0.4, 0.23	20	\$8,057,471	\$250,000	\$25,000	32.23	29.30
Install Pedestrian Hybrid Beacon	2911, 2922	0.712, 0.31	20	\$4,028,587	\$150,000	\$25,000	26.86	23.02
Add Left Turn Lanes	7853, 7854	0.69, 0.64	20	\$4,827,625	\$250,000	\$50,000	19.31	16.09
Add Right Turn Lanes at Signal	290	0.92	20	\$1,067,678	\$75,000	\$0	14.24	14.24
Increase Triangle Sight Distance	CRSP	0.63	2	\$559,119	\$20,000	\$50,000	27.96	7.99
Install Directional Median (RCI)	4883, 4884	0.54, 0.37	20	\$7,300,564	\$750,000	\$250,000	9.73	7.30
Conversion to Multi Lane Roundabout	4926, 4927	1.062, 0.367	20	\$8,368,201	\$1,800,000	\$600,000	4.65	3.49

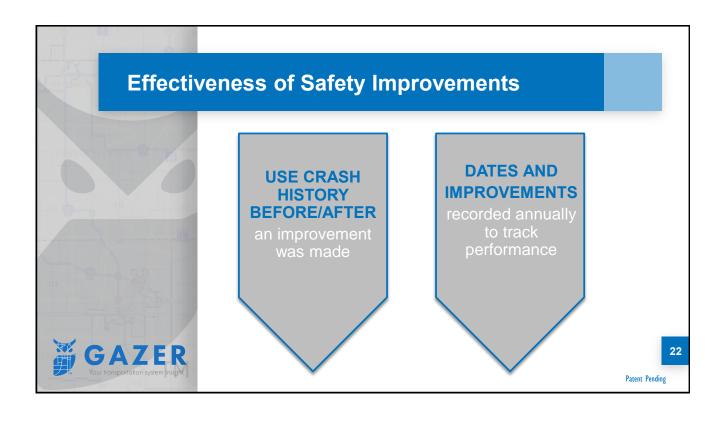
## Mitigation Strategy Table Currently Signalized Intersection



Mitigation Strategy	CMF IDs	Applicable CMFs	Service Life	Crash Reduction Benefit	Construction Cost	ROW Cost	B/C Ratio (w/o ROW)	B/C Ratio (w/ROW)
Install No Right Turn on Red	FHWA	0.8, 0.7	20	\$265,795	\$1,000	\$0	265.80	265.80
Change from prot/perm to FYA-prot/perm	4176, 4177	0.922, 0.806	20	\$1,773,466	\$25,000	\$0	70.94	70.94
Add Left Turn Lanes	7853, 7854	0.69, 0.64	20	\$3,516,502	\$250,000	\$50,000	14.07	11.72
Add Right Turn Lanes at Signal	290	0.92	20	\$793,342	\$75,000	\$0	10.58	10.58
Install Directional Median (RCI)	4883, 4884	0.54, 0.37	20	\$6,066,056	\$750,000	\$250,000	8.09	6.07
Conversion to Single Lane Roundabout	4924	0.64	20	\$3,569,680	\$1,200,000	\$400,000	2.97	2.23
Conversion to Multi Lane Roundabout	4926, 4927	1.062, 0.367	20	\$3,511,525	\$1,800,000	\$600,000	1.95	1.46

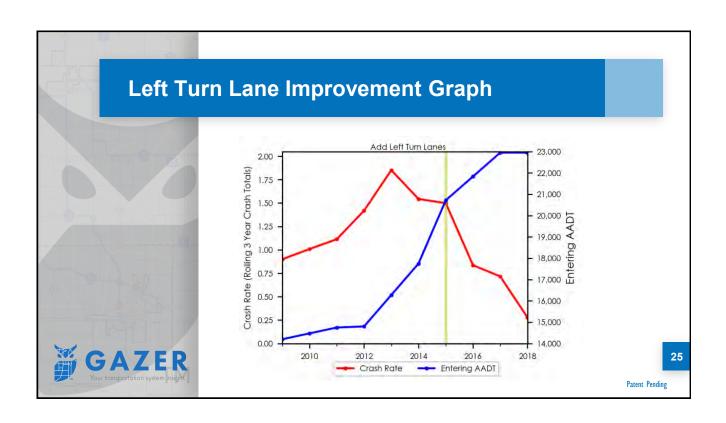
Patent Pending

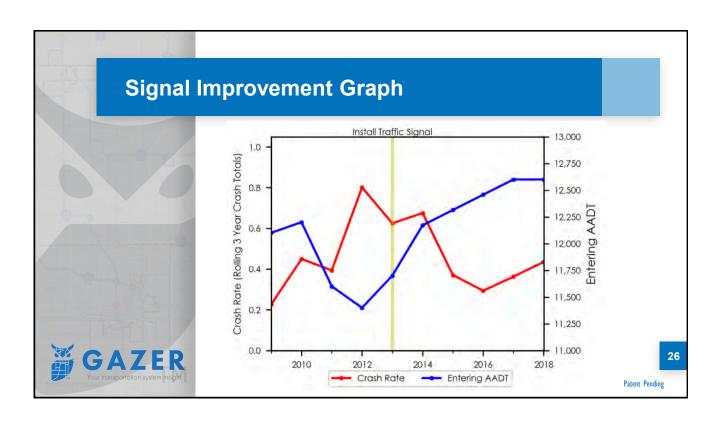


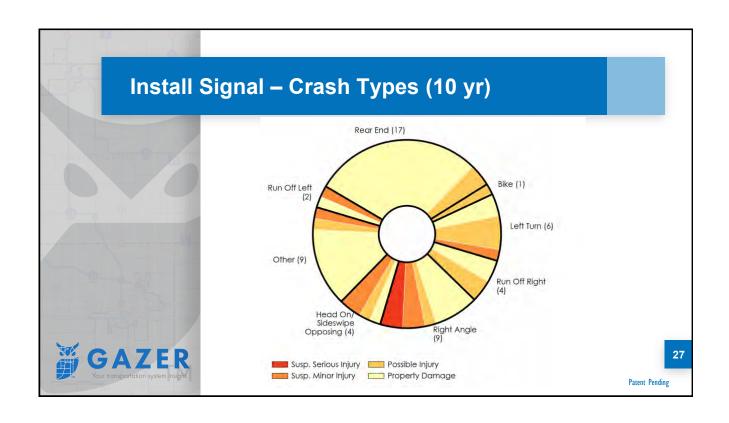


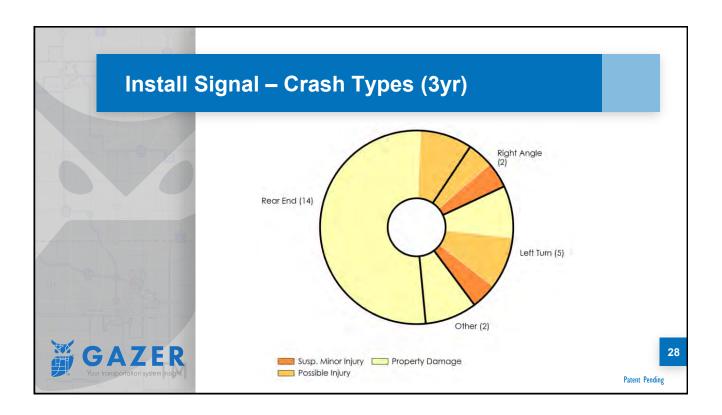


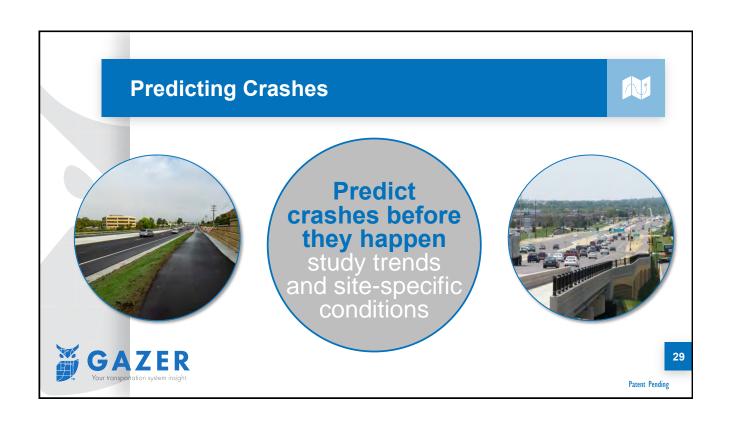


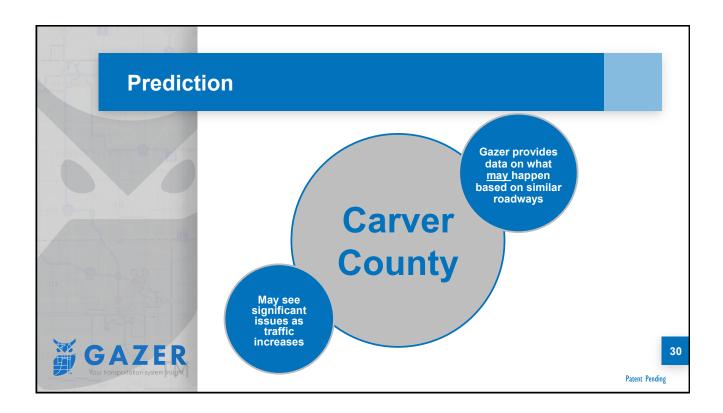




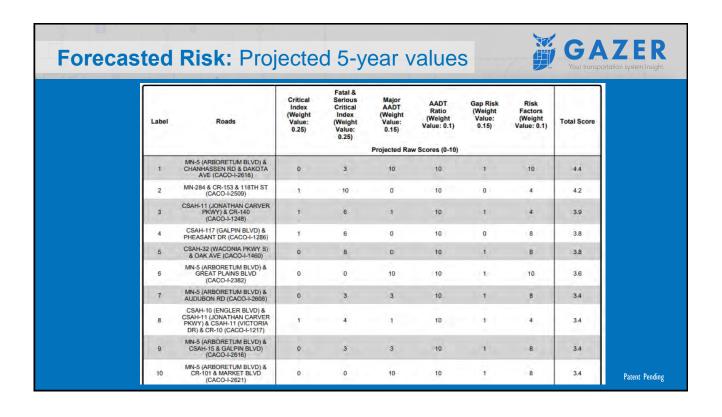








roactive (	k (Top 25)	GA	7 E D							
Carver Cou	inty, Minnesota				J G A	patent pendi				
ID	Roads	Isolated Intersection	High Access Density	At-Grade RR Crossing	Skewed Intersection	Traffic Signal	Proximity to Curve	High Speed	Rank	Fatal & Susp. Serious Crashes (2016-2018)
CACO-1-2382	MN-5 (ARBORETUM BLVD) & GREAT PLAINS BLVD		1		1	V	1	*	****	0
CACO-I-2391	MN-101 (CHANHASSEN RD) & W 78TH ST		- /		- 7	¥: -	*		****	0
CACO-I-1834	CSAH-61 (CHASKA BLVD) & CSAH-15 (AUDUBON RD)		*		1	1	1	*	****	0
CACO-1-2618	MN-5 (ARBORETUM BLVD) & CHANHASSEN RD & DAKOTA AVE		¥	-		y	1	- 1	****	0
CACO-I-2597	MN-5 & OAK AVE		1		1	1	1	1	****	0
CACO-I-1206	CSAH-10 (E 13TH ST) & CSAH-59 (MAIN ST E) & CR-10 & CR-59 & SPARROW RD		·				1	~	****	0
CACO-I-2552	MN-41 (N CHESTNUT ST) & CANYON RD		1		1	7	1	1	****	D
CACO-I-2563	MN-41 (N CHESTNUT ST) & RAMP & UNNAMED		1		,	1	2		****	0
CACO-I-1321	CSAH-14 (PIONEER TRL) & CSAH-15 (AUDUBON RD) & PIONEER TRL		1		1	4	À	1	****	1
CACO-I-2564	MN-41 (N CHESTNUT ST) & RAMP & UNNAMED		1		1	- 7	1	1	****	0
CACO-I-2639	MN-7 & CSAH-13 (ROLLING ACRES RD) & SMITHTOWN RD		1		7	4	1	*	****	0
CACO-I-2433	CSAH-61 (CHASKA BLVD) 8 CR-140 8 N HICKORY ST		2				1	4	****	0
C4CO-1:2393	CR.101 & CROSSROADS BLVD		1			,	1	1	****	4



Label	Roads	Critical Index (Weight Value: 0.25)	Fatal & Serious Critical Index (Weight Value: 0.25)	Major AADT (Weight Value: 0.15)	AADT Ratio (Weight Value: 0.1)	Gap Risk (Weight Value: 0.15)	Risk Factors (Weight Value: 0.1)	Total Score
				Projected Ra	w Scores (0-10)			
+	CR-30 & CSAH-59 (MAIN ST E) & CR-59 & MN-5 & MN-5 (CR-30) & CSAH-30 (MAIN ST E) (CACO-I-2578)	0	2	0	0	9	8	2.7
2	CSAH-11 (JONATHAN CARVER PKWY) & CSAH-61 (CHASKA BLVD) & LEVI GRIFFIN RD (CACO-I-1251)	Ô	0	4	10	1	4	2.3
3	CR-32 & CSAH-32 (WACONIA PKWY S) & MN-5 & CSAH-10 (W 13TH ST) (CACO-I-2579)	0	ō	.0	0	10	8	2.3
4	CSAH-61 (CHASKA BLVD) & CSAH-61 (E 6TH ST) & N WALNUT ST (CACO-I-2443)	1	0	Q	10	1	8	2.2
5	MN-25 & 32ND ST (CACO-I-2455)	2	0	0	10	O	6	2.2
6	MN-5 & CR-30 (CACO-I-2577)	1	0	0	0	10	2	2.2
7	MN-41 (N CHESTNUT ST) & PIONEER TRL (CACO-I-2562)	0	0	1	10	1	8	2.2
8	CR-152 & CR-153 (CACO-I-0992)	2	0	0	10	0	4	2.1
9	MN-5 (ARBORETUM BLVD) & CSAH-11 (VICTORIA DR) & VICTORIA DR (CACO-I-2613)	0	ō	ō	0	10	6	2.1
10	CSAH-17 (POWERS BLVD) & RAMP (CACO-I-1381)	0	0	2	10	1	6	2.1





