

Information Item

DATE: December 5, 2018
TO: Transportation Advisory Board
PREPARED BY: Steve Peterson, Manager of TAB/TAC Process (651-602-1819)
SUBJECT: Draft 2018 HSIP Solicitation Scores, Rankings, and Funding

BACKGROUND: The Highway Safety Improvement Program (HSIP) is a core federal program designed to achieve a significant reduction in traffic fatalities and serious injuries on all public roads, including non-state-owned public roads and roads on tribal lands. HSIP requires a data-driven, strategic approach to improving safety on all public roads that focuses on performance. Project funding is not limited to highway projects and can include improvements for other modes. In order to obligate HSIP funds, the state must develop, implement, and update a Strategic Highway Safety Plan and produce a program of projects.

During summer/fall 2018, MnDOT conducted a solicitation and 38 project applications were evaluated by a team of transportation professionals, representing city, county, regional, and state agencies. For the first time, projects were given a score of between 0 and 1,000 points and are ranked from the highest-scoring project to the lowest-scoring project. This change provides greater transparency to the process and will assist in future scope changes and reallocation of funds and help decide where to distribute any additional HSIP funds that come to the region. Projects were scored based on the criteria outlined in the HSIP application. It is anticipated that a work group will be convened in 2019 to further detail the scoring measures with the end result being detailed, written scoring guidance provided to applicants, similar to the Regional Solicitation.

The project scores, ranking, and 25 projects recommended for funding by the HSIP scoring committee are in the attached tables and maps. The recommended projects reflect the rough targeted funding split of 70% for reactive safety projects and 30% for proactive safety projects. If approved, the projects will be included in the 2020-2023 TIP to be released for public comment in June 2019. The funds available for HSIP this funding cycle total \$22.9 million. The proposed program shows over-programming of 8% in 2022 and 2023. Total project awards total approximately \$24.5 million.

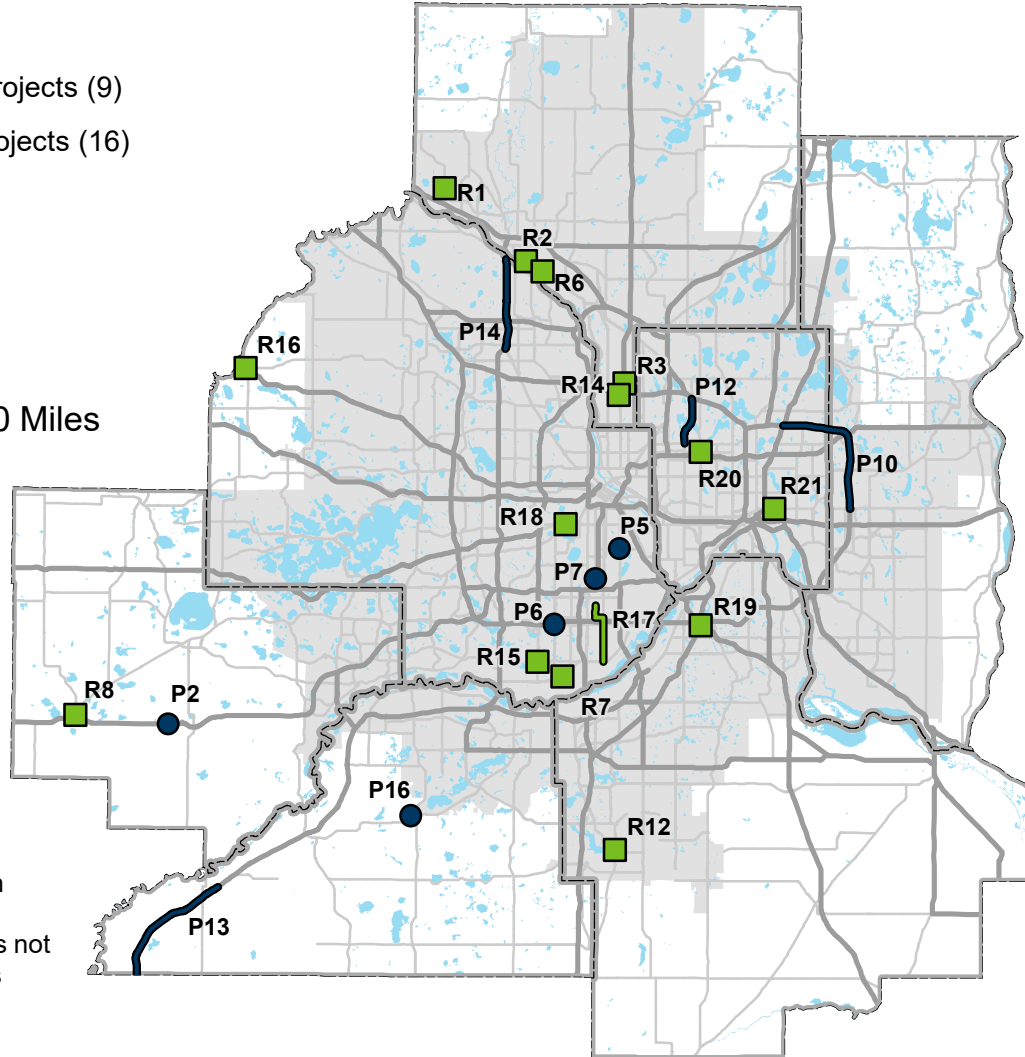
With guidance and recommendation from its technical committees, the TAB's role is to approve the HSIP application materials and select projects in the 7-county metropolitan area to be awarded HSIP funds. The one Chisago County project in the list was selected by MnDOT and is not part of the TAB approval. An action item on the HSIP project selection will be presented to the TAC Funding & Programming Committee in December 2018, with a TAC recommendation and TAB approval in January 2019.

Recommended Locations for 2018 Highway Safety Improvement Program Projects

Reference Items:

- Proactive Safety Projects (9)
- Reactive Safety Projects (16)
- Principal Arterials
- A-Minor Arterials
- Lakes And Rivers
- Urbanized Area

0 5 10 15 20 Miles



Projects with an asterisk are countywide projects. Location noted is the county highway department location and does not represent all project locations included in the application.

Proactive Projects

- P2.* Carver County - Rural intersection lighting improvements at 30-40 intersections
- P5. CSAH 3 (Lake St) at CSAH 42 (42nd St) - Pedestrian crossing safety improvements
- P6. CSAH 17 (France Ave) - Safety improvements
- P7. Nicollet Ave - Signal system and ped ramp improvements
- P10. I-694 - Install continuous freeway lighting
- P12. TH 51 - Safety improvements including installing cable median barriers
- P13. TH 169 - Install cable median barrier and median access modification
- P14. TH 169 - Install cable median barrier
- P16.* Scott County - Install 40-50 miles of ground in reflective lane lines and 10 street lights at rural intersections

Reactive Projects

- R1. CSAH 83 (Armstrong Blvd) at Alpine Dr - Construct roundabout
- R2. CSAH 1 (Coon Rapids Blvd) at Blackfoot St - Install additional signal heads
- R3. CSAH 35 (Old Central) at Gardena Ave - Construct roundabout

- R6. CSAH 1 (Coon Rapids Blvd) at Mississippi Blvd - Install additional signal heads
- R7. CSAH 1 (Old Shakopee Rd) at Xerxes Ave - Lane modifications and signal upgrades
- R8. TH 5 at CSAH 33 (Reform St) - Construct roundabout
- R9. CSAH 23 (Chisago Blvd) at CSAH 24 (Lofton Ave) - Construct roundabout (approved separately by MnDOT)
- R12. CSAH 9 (Dodd Blvd) at Icenic Trail / Heritage Dr - Construct center median
- R14. 53rd Ave - Extend center median; construct turnabout
- R15. CSAH 34 (Normandale Blvd) at 98th Street - Replace signal system; bike/ped/ADA accommodations
- R16. CSAH 50 Rebecca Park Trl - Lane modifications and intersection lighting
- R17. CSAH 35 (Portland Ave) and CSAH 52 (Nicollet Ave) - Signal and ped improvements
- R18. Lake St and Minnehaha Pkwy - Replace 3 signal systems
- R19. Multiple locations - Apply high friction treatment on 4 ramps
- R20. CSAH 51 (Lexington Ave) at CSAH 78 (County Road B2) - Provide dedicated right and left turn lanes; Replace signal system.
- R21. Minnehaha Ave - Rebuild signal systems

2018 Funding Cycle for 2022/2023 HSIP Projects (Reactive)

11/1/2018

Project #	Submitting Agency	Roadway	Location	Project Description	Funding Year Requested			HSIP FUNDING					POINTS		TOTAL POINTS (1,000)	
					Any	2022	2023	Original HSIP Amount Requested	2022 HSIP \$ Awarded	2023 HSIP \$ Awarded	Local Match (10%)	TOTAL PROJECT COST	B/C Ratio	B/C Points (750)		Meets Intent of HSIP Program Points (250)
R21	St. Paul	Minnehaha Ave	at Forest St, at Earl St, at Johnson Pkwy, at Ruth St	Rebuild signal systems at each intersection including adding mast arms, countdown timers, APS, upgrade from 8" to 12" indications		X		\$1,080,000	\$1,080,000		\$120,000	\$1,200,000	7.75	712	180	892
R18	Minneapolis	Lake Street	at Dean Pkwy, at Thomas Ave, at Minnehaha Pkwy	Replace 3 signal systems, add mast arms, countdown timers, APS, increase from 8" signal lenses to 12"	X			\$990,000	\$990,000		\$110,000	\$1,100,000	8.16	750	130	880
R7	Bloomington	CSAH 1	at Xerxes Avenue	Install left turn lanes on each approach; convert thru lane to right turn lane on both Xerxes approaches; signal upgrades to include FYA and retroreflective pavement markings		X		\$469,800	\$469,800		\$52,200	\$522,000	7.77	714	120	834
R1	Anoka County	CSAH 83	at Alpine Drive	Construct roundabout	X			\$1,350,000	\$1,350,000		\$150,000	\$1,500,000	5.20	478	200	678
R12	Dakota County	CSAH 9 (Dodd Blvd)	at Icenic Trail / Heritage Drive	Construct center median to allow Dodd left turns and restrict east/west thru and lefts		X		\$360,000	\$360,000		\$40,000	\$400,000	5.57	512	150	662
R15	Hennepin County	CSAH 34	at 98th Street	Remove channelized right turn islands; Replace signal system; install blue enforcement lights; bike/ped/ADA		X		\$1,170,000	\$1,170,000		\$130,000	\$1,300,000	4.76	438	190	628
R8	Carver County	TH 5	at CSAH 33 / Reform Street	Construct roundabout	X			\$1,346,400	\$1,346,400		\$149,600	\$1,496,000	4.30	395	200	595
R14	Columbia Heights Fridley	53rd Ave	from TH 65 to 1,100' west	Extend center median; construct Turnabout	X			\$730,800	\$730,800		\$81,200	\$812,000	4.75	437	140	577
R9*	Chisago County	CSAH 23	at CSAH 24 (Lofton Avenue)	Construct roundabout; flatten horizontal curve	X			\$1,512,000	\$1,512,000		\$168,000	\$1,680,000	3.96	364	210	574
R17	Hennepin County	CSAH 35 (Portland Ave) CSAH 52	CSAH 35 within City of Bloomington CSAH 52 within City of Richfield	Signal improvements including signal head replacement, retiming, additional signal heads, enforcement lights, left turn phasing; Ped improvements including curb extensions, ADA, APS, countdown timers		X		\$846,000	\$846,000		\$94,000	\$940,000	5.06	465	80	545
R16	Hennepin County	CSAH 50 Rebecca ParkTri	from west of Koala Street to east of CSAH 92 (Dogwood St)	Eliminate bypass lanes, restripe to introduce left turn lanes at Koala and Sterling; widen to construct WB LTL at CSAH 92; install intersection lighting; raised center median			X	\$405,000	\$405,000		\$45,000	\$450,000	3.74	344	130	474
R20	Ramsey County	CSAH 51 (Lexington Ave)	at CSAH 78 (County Road B2)	Widen CR B2 to provide dedicated right and left turn lanes; Replace signal system, FYA, ADA, APS, ped ramps, countdown timers	X			\$746,690	\$746,690		\$82,965	\$829,655	3.75	345	90	435
R2	Anoka County	CSAH 1	at Blackfoot Street	Install additional signal heads; change from protected only to FYA	X			\$405,000	\$405,000		\$45,000	\$450,000	2.82	259	140	399
R19	MnDOT	Multiple	WB TH 55 to EB TH 5, WB 694 to SB TH 100, SB TH 77 to EB Killebrew, WB 494 to SB I-35E	Apply high friction treatment on 4 ramps	X			\$410,130	\$410,130		\$45,570	\$455,700	3.04	279	90	369
R6	Anoka County	CSAH 1	at Mississippi Blvd	Install additional signal heads; change from protected only to FYA	X			\$450,000	\$450,000		\$450,000	\$500,000	2.51	231	120	351
R3	Anoka County	CSAH 35	at Gardena Avenue	Construct roundabout	X			\$1,350,000	\$1,350,000		\$150,000	\$1,500,000	2.55	234	80	314
R13	Dakota County	CSAH 62 (190th St)	at County Road 47 (Northfield Blvd)	Reconstruct intersection by removing skew; construct left and right turn lanes		X		\$1,350,000			\$150,000	\$1,500,000	1.55	142	170	312
R11	Dakota County	CSAH 73	at County Road 6	Construct roundabout		X		\$1,395,000			\$155,000	\$1,550,000	2.01	185	120	305
R4	Anoka County	CSAH 22	at County Road 66	Construct roundabout	X			\$1,350,000			\$150,000	\$1,500,000	1.57	144	100	244
R10	Columbia Heights	TH 65	from 43rd Ave to 47th Ave	Install ped-level and vehicle-level lighting; reconstruct sidewalk and ped ramps	X			\$1,117,710			\$124,190	\$1,241,900	1.33	122	100	222
R5	Anoka County	CSAH 17	at CSAH 23 (Lake Drive)	Install additional signal heads; change from protected only to FYA	X			\$450,000			\$50,000	\$500,000	1.22	112	80	192
								\$16,744,730	\$7,242,930	\$6,378,890	\$2,542,725	\$21,427,255				

Projects above the red line are recommended for funding. R9 approved separately by MnDOT.

2018 Funding Cycle for 2022/2023 HSIP Projects (Proactive)

11/1/2018

Project #	Submitting Agency	Roadway	Location	Project Description	Funding Year Requested		Original HSIP Amount Requested	Available 2020 HSIP \$ Awarded	Available 2021 HSIP \$ Awarded	HSIP FUNDING		Local Match (10%)	TOTAL PROJECT COST	POINTS						TOTAL POINTS (1,000)
					Any	2023				2022 HSIP \$ Awarded	2023 HSIP \$ Awarded			Connection to SHSP (100)	Cost per mile or Intersection (200)	Wide Strategy vs Single Spot (200)	AADT (50)	Fatal and A injury crashes (50)	Crash Reduction Factor (250)	
P16	Scott County	Multiple locations	County wide	Install 40-50 miles of ground in reflective lane lines and pavement markings; install street lights at at least 10 rural intersections		X	\$1,017,000			\$1,017,000	\$113,000	\$1,130,000	100	200	200	4	8	120	150	782
P2	Carver County	County Wide	County Wide	Rural intersection lighting improvements at 30-40 intersections	X		\$292,500		\$292,500		\$32,500	\$325,000	100	200	200	4	21	99	150	774
P14	MnDOT	TH 169 N	from 85th St to West River Road	Install cable median barrier	X		\$963,000			\$963,000	\$107,000	\$1,070,000	100	26	200	50	5	250	75	706
P12	MnDOT	TH 51	from County Road C to I-694	Install cable median barrier, close median at Hamline Ave, restrict median at Glenhill Rd, lengthen SB LTL's at CR C, CR C2, Lydia Ave		X	\$585,000			\$585,000	\$65,000	\$650,000	100	21	200	32	13	250	75	691
P13	MnDOT	TH 169	from TH 19 to TH 25	Install cable median barrier, close or modify access or median for up to 12 access/medians	X		\$1,800,000			\$1,800,000	\$200,000	\$2,000,000	100	20	200	17	16	250	75	678
P7	Minneapolis	Nicollet Ave	Minnehaha Parkway to 60th Street	Signal system and ped ramp improvements at 8 intersections, install overhead signals on mast arms and curb extensions	X		\$1,755,000			\$1,755,000	\$195,000	\$1,950,000	100	8	150	11	3	193	75	540
P5	Hennepin County	CSAH 3 (Lake St)	CSAH 42 (42nd St)	Ped Crossing Safety Improvements: Curb extensions, raised medians, crossing beacons, ADA, pavement markings, signage		X	\$828,000			\$828,000	\$92,000	\$920,000	60	10	100	14	18	182	150	534
P10	MnDOT	I-694	from TH 61 to CSAH 10	Install continuous freeway lighting	X		\$1,800,000	\$1,800,000			\$200,000	\$2,000,000	60	22	200	39	50	83	75	529
P6	Hennepin County	CSAH 17 (France Ave)	American Blvd to 76th Street	Safety Improvements: remove raised right turn islands, upgrade ped ramps, APS, off road facilities, enhance medians, signal upgrades including additional signal heads, improved timing, wayward signing, revised pavement markings		X	\$1,800,000			\$1,800,000	\$200,000	\$2,000,000	60	2	200	31	5	73	150	521
P9	MnDOT	I-494	from Minnesota River to TH 3	Install continuous freeway lighting	X		\$1,620,000				\$180,000	\$1,800,000	60	2	200	50	29	83	75	499
P1	Andover	CSAH 18	Nightingale Street	Construct roundabout, and possibly 2 ped underpasses	X		\$2,000,000				\$853,000	\$2,853,000	100	1	50	9	0	188	150	498
P8	Minneapolis	Park Ave Portland Ave	34th St to Diamond Lake Road	Signal system and ped ramp improvements at 5 intersections, install overhead signals on mast arms and curb extensions		X	\$1,485,000				\$165,000	\$1,650,000	100	6	100	7	11	193	75	492
P15	Ramsey County	University Ave	from Curfew St to Farrington St	Install RRFB's at 15 locations on University; also 2 on Grotto St at Concordia and at St. Anthony Av; and 2 on Chatsworth St at Concordia and at St. Anthony Ave	X		\$665,042				\$73,894	\$738,936	60	48	200	15	0	138	0	461
P18	Washington County	CSAH 15 (Manning)	at 124th St, at CSAH 7 (122nd), and at Lynch Road	Construct left turn lanes at 3 intersections	X		\$1,575,000				\$175,000	\$1,750,000	100	3	100	6	0	70	150	429
P3	Carver County	TH 25	CSAH 20	Realign TH 25 / CSAH 20 intersection to remove skew, widen shoulders, add turn lanes, improve sight lines	X		\$1,073,700				\$119,300	\$1,193,000	100	2	50	4	0	99	150	405
P4	East Bethel	TH 65	187th Lane to Viking Blvd	Construct new east side frontage road	X		\$1,765,800				\$196,200	\$1,962,000	60	2	50	1	16	0	150	279
P17	St. Francis	TH 47	Pederson Drive	Install a new signal	X		\$378,000				\$42,000	\$420,000	100	4	50	11	0	0	75	240
							\$21,403,042	\$1,800,000	\$292,500	\$3,168,000	\$5,580,000	\$3,008,894	\$24,411,936							

Projects above the red line are recommended for funding.

SHSP = Minnesota Strategic Highway Safety Plan