

ACTION TRANSMITTAL No. 2020-38

DATE: December 16, 2020

TO: Transportation Advisory Board

FROM: Technical Advisory Committee

PREPARED BY: Joe Barbeau, Senior Planner (651-602-1705)
Steve Peterson, Mgr. of Highway Planning and TAB/TAC Process (651-602-1819)

SUBJECT: 2020 Highway Safety Improvement Program Project Selection

REQUESTED ACTION: MnDOT requests approval of the attached 26 projects for funding through the Highway Safety Improvement Program (HSIP) solicitation.

RECOMMENDED MOTION: That the Transportation Advisory Board approve the attached 26 projects, including 5% overprogramming, for funding through the Highway Safety Improvement Program (HSIP) solicitation and inclusion of all Urbanized Area projects in the draft 2022-2025 TIP.

BACKGROUND AND PURPOSE OF ACTION: The Highway Safety Improvement Program (HSIP) is a core federal program defined in the FAST Act. HSIP is 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 highway safety on all public roads that focuses on performance. In order to obligate HSIP funds, the state must develop, implement, and update a Strategic Highway Safety Plan and produce a program of projects.

MnDOT shares these federal funds with local governments to improve and protect the transportation system beyond the state's trunk highway system. MnDOT conducts the solicitation and the proposed projects are evaluated by a team of transportation professionals.

With guidance and recommendation from its technical committees, the TAB's role is to approve the solicitation criteria and select projects to be awarded HSIP funds. MnDOT conducted a solicitation for both "proactive" and "reactive" projects to be funded primarily in 2024 and 2025 (though there is also limited available funding in 2022 and 2023). The attached projects, if approved, will be included in the 2022-2025 TIP to be released for public comment in June 2021. The total federal funds available is approximately \$31.6 million, not including overprogramming.

Scores and rankings are shown in the attachment. Note that one project, P9, Hennepin County's CSAH 3 safety project scored well enough to be funded by HSIP. However, it is not included in the attached program of projects because it is also shown as funded in the 2020 Regional Solicitation as a Roadways Spot Mobility and Safety project.

RELATIONSHIP TO REGIONAL POLICY: Federal law requires that all transportation projects that will be funded with federal funds must be in an approved TIP and meet the following four tests: fiscal constraint; consistency with the adopted regional transportation plan; air quality conformity; and opportunity for public input. Each project is consistent with the Transportation Policy Plan. Public input opportunity will occur when the TIP is out for public review. The region's

Transportation Policy Plan includes transportation safety policies and strategies. The projects selected through the HSIP solicitation are consistent with that plan.

STAFF ANALYSIS: Staff recommends approval of the attached 26 projects for funding through the HSIP solicitation and inclusion of all Urbanized Area projects in the draft 2022-2025 TIP. HSIP funds are awarded by MnDOT district. MnDOT’s Metro District includes Chisago County, along with the seven-county metro area. One project selected through this process, P13, is located in Chisago County, bringing the total HSIP projects awarded funding to 27. Due to its location, it does not need MPO approval as part of this action item, nor will it be placed in region’s TIP.

COMMITTEE COMMENTS AND ACTION: At its November 19, 2020, meeting, the TAC Funding & Programming Committee voted unanimously to recommend approval of 25 projects for funding through the HSIP solicitation and inclusion of all Urbanized Area projects in the draft 2022-25 TIP.

At its December 2, 2020, meeting, the Technical Advisory Committee voted unanimously to recommend approval of the attached 26 projects for funding through the HSIP solicitation and inclusion of all Urbanized Area projects in the draft 2022-25 TIP. This includes project R26, which was not included in the Funding & Programming Committee recommendation. TAC wanted to add in one extra project as overprogramming to better manage the overall program and potential withdrawals. TAC’s recommendation includes adding the four-lane to three-lane conversion of Lake Road in Woodbury (R26) to provide about 5% overprogramming.

ROUTING

TO	ACTION REQUESTED	DATE SCHEDULED/COMPLETED
TAC Funding & Programming Committee	Review & Recommend	11/19/2020
Technical Advisory Committee	Review & Recommend	12/2/2020
Transportation Advisory Board	Review & Adopt	12/16/2020

2024 / 2025 HSIP Projects (Proactive)

The projects down to red line are FUNDED:

Project #	Submitting Agency	Roadway	Location	Project Description	Original HSIP Amount Requested	HSIP FUNDING				Local Match (10%)	TOTAL PROJECT COST	POINTS						TOTAL POINTS (1,000)	Project #
						2022 HSIP \$ Awarded	2023 HSIP \$ Awarded	2024 HSIP \$ Awarded	2025 HSIP \$ Awarded			Connection to SHSP (100)	Cost per exposure (300)	Correctable F and A Crashes (100)	Crash Modification Factor (200)	Part of a Plan (200)	Ped and Bike Safety (100)		
P2	Bloomington	3 locations	98th St at Xerxes Ave, Lyndale Ave at 96th St, Old Shakopee Road at 3rd Ave	Ped safety improvements, refuge island, bump outs, overhead mast arms, RRFB's, LED lighting, ADA upgrades	\$331,200			\$331,200		\$36,800	\$368,000	100	300	14	171	200	100	885	P2
P21	Washington County	CSAH 15	from CSAH 12 to 240th Street	Install centerline rumble strips and wet reflective striping	\$111,657	\$111,657				\$12,406	\$124,063	100	300	74	20	200	75	769	P21
P20	MnDOT	TH 212	from TH 62 to TH 5	Install continuous lighting	\$450,000	\$450,000				\$50,000	\$500,000	75	199	34	152	200	50	710	P20
P3	Carver County	County Wide	Multiple locations	Install 56 miles (page 16) of enhanced pavement markings	\$785,570		\$785,570			\$87,285	\$872,855	100	73	47	193	200	50	663	P3
P15	MnDOT	TH 13	from Lynn Ave to Nicollet Ave in Savage	Install cable median barrier	\$425,250			\$425,250	\$47,250	\$472,500	\$472,500	100	275	14	92	150	0	631	P15
P13	MnDOT	TH 8	at Hazel Ave and 250th St in Wyoming Twp	Construct left turn lane at Hazel Ave Close 250th Street	\$544,500			\$544,500	\$60,500	\$605,000	\$605,000	25	275	0	105	200	25	630	P13
P5	Carver County	CSAH 40	between TH 25 and CSAH 52	Shoulder widening, safety edge, mumble strips, wet reflective ground in pavement markings	\$2,000,000			\$2,000,000	\$2,274,600	\$4,274,600	\$4,274,600	75	1	100	145	200	75	596	P5
P10	Hennepin County	3 locations	CSAH 52 at 67th St CSAH 66 at Noble Ave CSAH 66 at Hidden Lakes Pkwy	Install FYA's, ped ramps, APS, countdown timers	\$1,737,000			\$1,737,000	\$193,000	\$1,930,000	\$1,930,000	50	189	7	79	200	50	575	P10
P1	Andover	CSAH 18 (Crosstown Blvd)	at Nightingale Street	Construct roundabout	\$1,902,600			\$1,902,600	\$211,400	\$2,114,000	\$2,114,000	50	59	0	193	200	50	552	P1
P11	Minneapolis	26th Street 28th Street	at Dupont Ave, 26th St, Emerson Av at Dupont Ave, 28th St, Emerson Av, 3rd Av, 18th St	Ped ramp upgrades, traffic visibility improvements	\$1,620,000			\$1,620,000	\$180,000	\$1,800,000	\$1,800,000	50	91	0	163	180	40	524	P11
P12	MnDOT	TH 3	at 142nd Street in Rosemount	Construct roundabout	\$1,107,000			\$1,107,000	\$123,000	\$1,230,000	\$1,230,000	25	122	0	193	150	25	515	P12
P24	Blaine	99th Ave	at Baltimore Street	Construct roundabout	\$1,530,000	\$1,530,000				\$170,000	\$1,700,000	25	58	7	193	200	25	508	P24
P4	Carver County	CSAH 10	at Waconia Parkway	Construct a turbo roundabout	\$1,759,895			\$1,759,895	\$195,544	\$1,955,439	\$1,955,439	25	53	0	193	200	25	496	P4
P14	MnDOT	TH 13	at Wachtler Ave in Mendota Heights	Construct roundabout	\$1,152,000			\$1,152,000	\$128,000	\$1,280,000	\$1,280,000	25	89	0	193	150	25	482	P14

The projects below are NOT funded:

P8	Hennepin County	CSAH 19	at 109th Ave (CR 117)	Reconstruct intersection, raised medians for ped refuge, upgrad bike connections, ADA, lighting	\$2,000,000					\$1,390,000	\$3,390,000	50	29	7	200	150	25	461	P8
P7	Dakota County	CSAH 54	at CSAH 68	Construct roundabout	\$1,395,000					\$155,000	\$1,550,000	20	45	14	180	200	0	459	P7
P16	MnDOT	TH 55	from Old Rockford Road to General Mills Blvd	Construct RCI's at Old Rockford Road, Urbandale, 18th Ave, Larch Lane, Ives lane, Goldenrod Lane, Evergreen Lane	\$1,070,820					\$118,980	\$1,189,800	75	121	7	105	150	0	458	P16
P17	MnDOT	TH 65	from Bunker Lake Blvd to 237th Ave	Install cable median barrier	\$2,000,000					\$306,062	\$2,306,062	75	116	20	92	150	0	453	P17
P22	Washington County	CSAH 19	80th Street	Construct roundabout	\$2,000,000					\$1,103,000	\$3,103,000	25	70	0	180	100	25	400	P22
P6	Carver County	TH 25	at CSAH 20	Realign intersection to remove skew, widen shoulders, add turn lanes, improve sight lines	\$1,073,700					\$119,300	\$1,193,000	40	29	0	84	200	0	353	P6
P19	MnDOT	TH 212	From west jct TH 5 to east jct TH 5 in Norwood Young America	Install cable median barrier. Construct RCI intersections at CSAH 131, Wells Ave, CSAH 31, and Railroad Street	\$1,216,329					\$135,148	\$1,351,477	75	18	0	92	150	0	335	P19
P18	MnDOT	TH 95	at 392nd (301st Ave) in North Branch	Construct left turn lane	\$1,280,064					\$142,229	\$1,422,293	50	2	14	105	150	0	321	P18
P23	Washington County	CSAH 19	at CSAH 10	Construct roundabout	\$2,000,000					\$1,638,000	\$3,638,000	25	28	0	193	0	25	271	P23
P9	Hennepin County	CSAH 3	from 22nd Ave to Snelling Ave	Widen sidewalk, crossing improvements, signal upgrades, ADA, lane configuration	\$2,000,000	This project was withdrawn by applicant, due to receiving federal funding from another source.				\$3,659,000	\$5,659,000	50	39	27	132	200	50	498	P9

\$31,492,585 \$2,091,657 \$785,570 \$3,951,200 \$8,628,245 \$12,536,504 \$44,029,089

2024 / 2025 HSIP Projects (Reactive)

12/3/2020

The projects down to red line are FUNDED:

Project #	Submitting Agency	Roadway	Location	Project Description	Original HSIP Amount Requested	HSIP FUNDING				Local Match (10%)	TOTAL PROJECT COST	POINTS				TOTAL POINTS (1,000)	Project #
						2022 HSIP \$ Awarded	2023 HSIP \$ Awarded	2024 HSIP \$ Awarded	2025 HSIP \$ Awarded			B / C Points (600)	Meets Intent of HSIP Program Points (200)	Correctable F and A crashes Points (100)	Ped and Bike Safety Points (100)		
R12	Fridley	TH 47 (University Ave)	from 53rd Ave to 85th Ave	Enhanced lighting at ped crossings, lighting at bus stops, concrete sidewalk at bus stop NE corner at Osborne Rd	\$1,947,240			\$1,947,240		\$216,360	\$2,163,600	600	200	100	63	963	R12
R20	Ramsey County	University Ave	at Simpson St, at Albert St, at Syndicate St, at Arundel St	Install RRFB's, APS, reconstruct ped ramps	\$504,000	\$504,000				\$56,000	\$560,000	530	184	4	70	788	R20
R13	Hennepin County	CSAH 52 (Hennepin Ave)	from 10th Ave to 11th Ave (over I-35W)	Modifying intersections, reduce conflicting vehicle and ped speeds, traffic signal mods, ADA upgrades	\$1,368,000			\$1,368,000		\$152,000	\$1,520,000	400	128	10	83	621	R13
R15	Minneapolis	3 locations	Lake St at 28th Ave Franklin Ave btwn 13th and 14th Ave Cedar Ave at 6th Street	Rebuild signals, add OH mast arms, ped count down timers, APS, yellow reflective back plates, upgrade 8" to 12" signal heads, convert to LED lighting, video detection, curb ramps, curb extensions	\$1,080,000	\$1,080,000				\$120,000	\$1,200,000	370	112	16	90	588	R15
R16	Minneapolis	LaSalle Ave Nicollet Ave	at Grant St, at 15th St, at Groveland Ave at Grant St, at 15th St, at 18th St	Rebuild signals, add OH mast arms, ped count down timers, APS, yellow reflective back plates, upgrade 8" to 12" signal heads, convert to LED lighting, video detection, curb ramps, curb extensions	\$1,800,000			\$1,800,000		\$200,000	\$2,000,000	339	120	19	90	568	R16
R23	Scott County	CSAH 78	at CSAH / CR 69	Construct roundabout	\$1,595,700			\$1,595,700		\$177,300	\$1,773,000	234	176	10	90	510	R23
R17	Minneapolis	Lyndale Ave	at 18th Ave, 24th Ave, 29th Ave, 36th Ave	Rebuild signals, add OH mast arms, ped count down timers, APS, yellow reflective back plates, upgrade 8" to 12" signal heads, convert to LED lighting, video detection, curb ramps, curb extensions	\$1,260,000			\$1,260,000		\$140,000	\$1,400,000	274	120	7	90	491	R17
R11	Dakota County	CR 6 (Thompson Ave)	at CSAH 73 (Oakdale Ave)	Construct roundabout	\$1,395,000		\$1,395,000			\$155,000	\$1,550,000	245	144	4	87	480	R11
R6	Anoka County	CSAH 22 (Viking Blvd)	at CSAH 7 (Rum River Road)	Construct roundabout	\$1,350,000			\$1,350,000		\$150,000	\$1,500,000	245	144	7	80	476	R6
R14	Minneapolis	Broadway Street	at Washington St, Monroe St, Filmore St, Buchanan St	Rebuild signals, add OH mast arms, ped count down timers, APS, yellow reflective back plates, upgrade 8" to 12" signal heads, convert to LED lighting, video detection, curb ramps, curb extensions	\$1,170,000		\$1,170,000			\$130,000	\$1,300,000	223	128	16	73	440	R14
R18	MnDOT	I-35W	from TH 13 to I-35E	Install continuous lighting	\$720,000			\$720,000		\$80,000	\$800,000	229	136	7	33	405	R18
R21	Ramsey County	Dale Street	from Como Ave to North TH 36 ramps	Construct 4 lane to 3 lane conversion	\$2,000,000			\$2,000,000		\$1,525,048	\$3,525,048	132	152	13	97	394	R21
R26	Woodbury	Lake Road	from Woodlane Drive to Pioneer Drive	Reconstruct from 4 lane to 3 lane conversion	\$1,620,000			\$1,620,000		\$180,000	\$1,800,000	141	144	13	93	391	R26

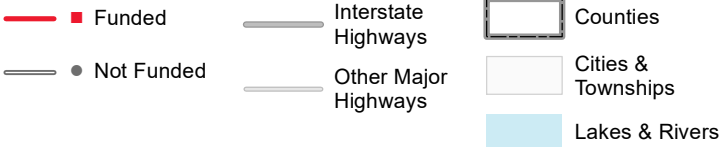
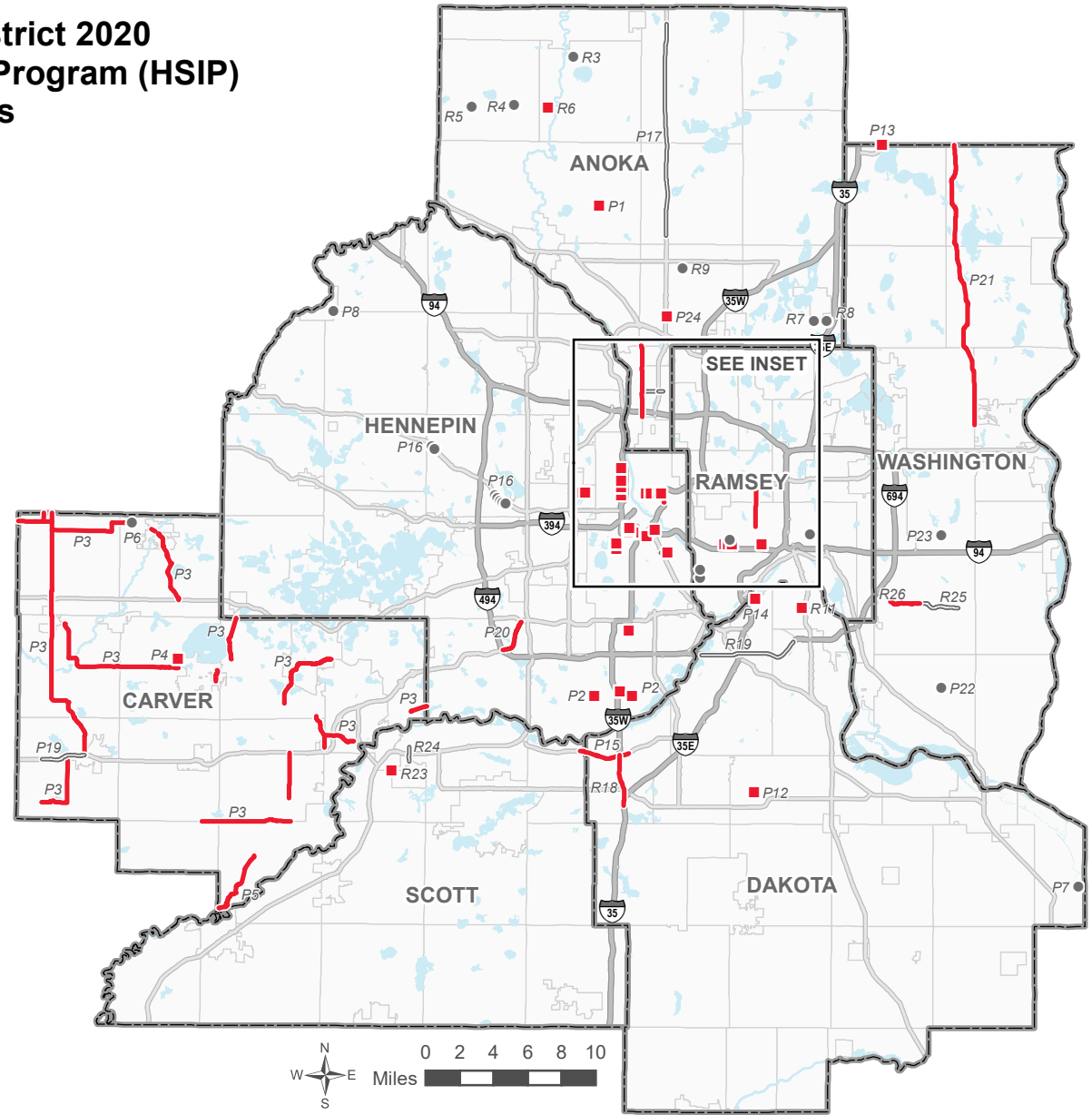
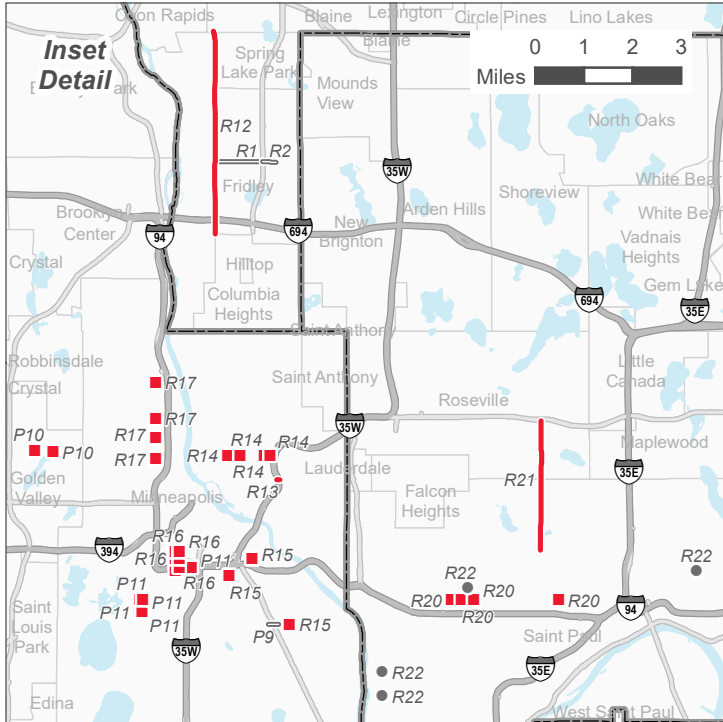
The projects below are NOT funded:

R19	MnDOT	I-494	from Minnesota River to TH 3	Install continuous lighting	\$1,710,000					\$190,000	\$1,900,000	163	144	16	33	356	R19
R8	Anoka County	CSAH 34 (Birch Street)	at CSAH 54 (20th Ave)	Construct roundabout	\$1,170,000					\$130,000	\$1,300,000	110	152	4	80	346	R8
R9	Anoka County	CSAH 52 (Radisson Road)	at Cloud Drive	Construct a Traffic Signal, widen side street approaches to develop two lanes of approach.	\$540,000					\$60,000	\$600,000	133	128	0	77	338	R9
R24	Shakopee	Marystown Road	from Vierling Drive to CSAH 16 (17th Ave)	Construct 4 roundabouts (at Vierling Dr, N 169 ramps, S 169 ramps, 17th Av), and install ped/bike shared use paths and sidewalks	\$2,000,000					\$5,380,500	\$7,380,500	39	168	7	100	314	R24
R2	Anoka County	CSAH 6 (Mississippi St)	from TH 65 to CSAH 35	Construct 4 to 3 lane conversion with mini roundabout at CSAH 35 (Old Central Ave)	\$954,000					\$106,000	\$1,060,000	73	136	0	97	306	R2
R4	Anoka County	CSAH 22 (Viking Blvd)	at CR 66 (Cleary Road)	Construct roundabout	\$1,440,000					\$160,000	\$1,600,000	72	144	4	80	300	R4
R1	Anoka County	CSAH 6 (Mississippi St)	from TH 47 to TH 65	Construct 4 to 3 lane conversion with mini roundabouts at 7th St and Monroe intersections	\$1,922,400					\$213,600	\$2,136,000	50	144	7	97	298	R1
R25	Woodbury	Lake Road	from Blue Ridge Drive to Cherry Lane	Reconstruct from 4 lane to 3 lane conversion	\$2,000,000					\$970,520	\$2,970,520	58	136	4	93	291	R25
R7	Anoka County	CSAH 34 (Birch Street)	at CSAH 21 (Centerville Road)	Construct roundabout	\$1,440,000					\$160,000	\$1,600,000	68	128	4	80	280	R7
R3	Anoka County	CSAH 9 (Lake George Blvd)	at 221st Ave	Construct roundabout	\$1,350,000					\$150,000	\$1,500,000	60	128	0	80	268	R3
R5	Anoka County	CSAH 22 (Viking Blvd)	at CSAH 5 (Nowthen Blvd)	Construct roundabout	\$1,440,000					\$160,000	\$1,600,000	53	120	4	80	257	R5
R22	St. Paul	4 locations	Cretin / St. Clair, Cretin / Randolph, East 7th / Forest, Hamline / Thomas	Replace signals, full mast arms, ADA, red light confirmation, ped count down timers, ped ramp improvements	\$1,296,000					\$144,000	\$1,440,000	78	112	0	60	250	R22

\$33,125,100 \$1,584,000 \$2,565,000 \$11,050,940 \$2,610,000 \$10,889,968 \$44,015,068



Locations of MnDOT Metro District 2020 Highway Safety Improvement Program (HSIP) Applications by Funding Status



- Funded**
- P1. Nightingale St NW & Crosstown Blvd NW Intersection
 - P2. Bloomington Pedestrian Crossing Safety
 - P3. Carver County Enhanced Pavement Marking Safety
 - P4. Highway 10/Waconia Parkway Intersection
 - P5. Carver County Rd 40 Safety Improvements
 - P10. Nicollet Ave & Golden Valley Rd Flashing Yellow Arrows
 - P11. 26th St & 28th St Signal & Pedestrian Safety
 - P12. Highway 3 & 142nd St W Roundabout
 - P13. U.S. Highway 8 at Hazel Ave & 250th St
 - P14. Highway 13 & Wachtler Ave Roundabout
 - P15. Hwy 13 Cable Median Barrier, Lynn to Nicollet Aves
 - P20. Highway 212 Continuous Lighting Project
 - P21. Manning Ave Rumble Strips
 - P24. 99th Ave & Baltimore St Roundabout

- R6. Viking Blvd NW & Rum River Blvd Roundabout
- R11. Thompson Ave & Oakdale Ave Roundabout
- R12. University Ave Corridor Safety, 53rd Ave to 85th Ave
- R13. Hennepin Ave at 10th & 11th Aves SE Intersections
- R14. Broadway St NE Signal & Pedestrian Safety
- R15. City/County Pedestrian Crossing Study Improvements
- R16. Lasalle Ave & Nicollet Ave Signal & Pedestrian Safety
- R17. Lyndale Ave N Signal & Pedestrian Safety
- R18. I-35W Continuous Lighting
- R20. University Ave W Pedestrian Safety
- R21. Dale St from Como Ave to TH 36 Road Diet
- R22. 130th St W & Old Brick Yard Rd Roundabout
- R23. 130th St W & Old Brick Yard Rd Roundabout
- R26. Lake Rd from Woodlane Dr to Pioneer Dr Road Diet

- Not Funded**
- P6. Highway 25 & Carver County Rd 20 Intersection
 - P7. Ravenna Trail & 200th St E Intersection
 - P8. Hennepin County Rd 19 & 109th Ave Intersection
 - P9. Hi/Lake Interchange Safety Improvements
 - P16. Hwy 55, Fernbrook Ln to General Mills Blvd
 - P17. Hwy 65 Cable Median Barrier, Bunker Lk Blvd to 237th
 - P18. Highway 95 at 392 St Left Turn Lane
 - P19. Hwy 212 Reduced Conflicts and Cable Median Barrier
 - P22. Keats Ave & 80th St S Roundabout
 - P23. 10th St & Keats Ave Roundabout
 - R1. Mississippi St Road Diet, Highway 47 to Highway 65
 - R2. Mississippi St Road Diet, Highway 65 to Old Central Ave

- R3. Lake George Blvd & 221st Ave NW Roundabout
- R4. Viking Blvd NW & Cleary Rd Roundabout
- R5. Viking Blvd NW & Nowthen Blvd NW Roundabout
- R7. Birch St & Centerville Rd Roundabout
- R8. Birch St & 20th Ave Roundabout
- R9. Radisson Rd & Cloud Dr NE Traffic Signal
- R19. I-494 Continuous Lighting
- R22. Saint Paul Signal Safety
- R24. Marystown Road Corridor
- R25. Lake Rd from Blue Ridge Dr to Cherry Ln Road Diet