

Table 3 – Implementation Plan

Priority	Project	Project Description	Potential Funding	Cost				Comments
				ROW Acquisition	RALF Payback	Construction	Total	
Immediate	Subarea 5	Short term pedestrian improvements Median barrier with fence Select trail connections (Verndale to Fair oak - north side and Fair oak to Main - south side)	TH / MA	\$0	\$0	\$390,000	\$390,000	Immediate pedestrian safety improvements targeting key deficiencies Temporary (throw away)
	5-1-1	Construct Greenhaven Pkwy from Thurston Ave to Main St New intersection on Thurston Ave (signal or roundabout) Remove all-way stop on Thurston Ave	MA / TIF / LOCAL / MSAS	\$2,200,000	\$100,000	\$2,700,000	\$5,000,000	Continuous local connection from Thurston to Main on N side of TH 10 Dependent upon ROW acquisition
	5-1-2a	Reduced conflict intersection at Fair oak Ave Frontage Road from Cutters Grove to Fair oak Ave Pedestrian overpass near Verndale Avenue	TAP / TH / HSIP / COC / CIMS / CMAQ / LOCAL / MA / MSAS	\$800,000	\$0	\$8,800,000	\$9,600,000	Significant safety and mobility improvements on WB Hwy 10 Provide pedestrian accommodations prior to Fair Oak signal removal
	4-1-2E	North Frontage Rd from Sunfish Lake Blvd to Anoka Tech	MA / LOCAL / MSAS / RALF	\$800,000	\$900,000	\$1,300,000	\$3,000,000	Continuous local connection from Sunfish to Thurston on N side of TH 10 Closes 11 access points on TH 10
	3-1-4 4-1-2W	Realign TH 10 between Ramsey Blvd and Sunfish Lake Blvd Construct North Frontage Rd	MA / LOCAL / RALF / MSAS / TH / CIMS	\$1,900,000	\$3,000,000	\$6,700,000	\$11,600,000	Continuous local connection from Ramsey to Sunfish on N side of TH 10 Closes 26 access points on TH 10
	3-1-1	South Frontage Rd extension from Traprock St to Ramsey Blvd	MA / LOCAL / MSAS / PRIV	\$300,000	\$0	\$800,000	\$1,100,000	Continuous local connection from Armstrong to Ramsey Blvd on S side of TH 10 Closes 1 access point on TH 10
Subtotal				\$29.6 M				
Short-Term	5-1-3	Extension of south frontage road from Fair oak Ave to Main St Roundabout at Main St interchange Removal of TH 10 WBL access at south Fair oak Ave	LOCAL / HSIP / MA / MSAS / TH / CSAH	\$100,000	\$0	\$2,500,000	\$2,600,000	Continuous local connection from Cutters Grove to Main Needs to be complete prior to improvements at Thurston and TH 10
	4-1-3	Extend Riverdale Dr east of Tungsten New right in/right out access on TH 10 Remove driveways on eastbound TH 10 between Sunfish Lake Blvd and Tungsten St	MA / LOCAL / MSAS / PRIV / TH	\$800,000	\$0	\$1,500,000	\$2,300,000	Dependent upon ROW acquisition, property owner meeting Closes 11 access points on TH 10
	4-1-4	Grade separation treatment at Thurston Avenue (westbound flyover, High T, eastbound and westbound flyover, or overpass with RI/RO) Complete N frontage rd to west	CIMS / COC / HSIP / LOCAL / MA / TED / MSAS / RALF	\$16M - \$26.2M			\$16M - \$26.2M	\$16M for WB Flyover \$26.2 M for Thurston Overpass
	Subarea 5			Subtotal				\$20.9 - \$31.1 M
Mid-term	Subarea 4	Grade separation treatment at Sunfish Lake Blvd (westbound flyover, High T, eastbound and westbound flyover, or Sunfish Lake Blvd overpass with RI/RO)	STP / CIMS / COC / HSIP / LOCAL / MA / TED / MSAS / RALF / CSAH	\$11M - \$19.2M			\$11M - \$19.2M	\$11 for WB Flyover up to \$19.2 for EB and WB Flyover
	Subarea 3	Grade separation treatment at Ramsey Blvd (westbound flyover, High T, eastbound and westbound flyover, Ramsey Blvd overpass with RI/RO)	STP / CIMS / COC / HSIP / LOCAL / MA / TED / MSAS / RALF / CSAH	\$11.4M - \$23.9M			\$11.4M - \$23.9M	\$11.4 for WB Flyover up to \$23.9 for High T with Local Overpass with RI/RO
	Subarea 5	Full grade separation conversion at Thurston Ave (if not completed previously)	CIMS / COC / HSIP / LOCAL / MA / TED / MSAS / RALF	\$0 or \$23M - \$26M			\$0 or \$23M - \$26M	EB Flyover or High-T with Local Overpass
Subtotal				\$22.4 - \$69.1 M				
Opportunity / Development / Safety Driven	3-1-3	Purchase right-of-way along north side of TH 10 between Armstrong Blvd and Ramsey Blvd	RALF / TH	\$9,500,000	\$2,000,000	\$0	\$11,500,000	Long term access to properties not viable Continue to purchase properties as opportunities present themselves
	3-1-2	Veterans Dr extension to Ramsey Blvd	LOCAL / PRIV	\$100,000	\$0	\$500,000	\$600,000	Development driven
	Subarea 4	RR Underpass - Sunfish Lake Boulevard	CIMS / CSAH / CTIB / HSIP / LOCAL / MSAS / RR / STP / TIGER	\$0	\$0	\$14,500,000	\$14,500,000	County working on plan to grade separate all major at-grade BNSF crossings
	Subarea 3	RR Underpass - Ramsey Boulevard	CIMS / CSAH / CTIB / HSIP / LOCAL / MSAS / RR / STP / TIGER	\$0	\$0	\$11,500,000	\$11,500,000	County working on plan to grade separate all major at-grade BNSF crossings
	1-1-1	156th St extension Jarvis St to Alpine St	MA / LOCAL / PRIV	\$0	\$0	\$800,000	\$800,000	Continue to monitor the safety of access on TH 10
	1-1-2	South Frontage Rd extension Edison St to Adams St	MA / LOCAL / PRIV	\$100,000	\$0	\$900,000	\$1,000,000	Continue to monitor the safety of access on TH 10
	1-1-3	RCUT at Alpine Dr with turn lane improvements and South Frontage Rd to Alpine Dr	HSIP / MA / LOCAL / TH / MSAS	\$200,000	\$0	\$1,400,000	\$1,400,000	Continue to monitor the safety of access on TH 10
	1-1-4	RCUT at Bowers Dr with turn lane improvements	HSIP / MA / LOCAL / TH / MSAS	\$0	\$0	\$800,000	\$800,000	Continue to monitor the safety of access on TH 10
	1-1-5	Riverdale Blvd extension to Bowers Dr	MA / LOCAL / PRIV / TED	\$500,000	\$200,000	\$1,300,000	\$2,000,000	Continue to monitor the safety of access on TH 10
Subtotal				\$44.1 M				

CIMS Corridor Investment Management Strategy Funds (State)
CMAQ Congestion Mitigation and Air Quality Funds (Federal)
COC Corridors of Commerce Funds (State)
CSAH County State Aid Highway Funds (State)
CTIB RR Grade Separation benefitting Northstar Corridor
HSIP Highway Safety Improvement Program Funds (Federal)
LOCAL Local County or City Funding

LRIP Local Road Improvement Program Funds (State)
MA Municipal / Cooperative Agreement Funds (State)
MSAS Municipal State Aid System Funds (State)
PRIV Private Funding / Development (Private)
RALF Right-of-Way Acquisition Loan Fund (State)
RR Railroad Grade Crossing Safety Funds (Federal)
STP Surface Transportation Program Funds (Federal)

TAP Transportation Alternatives Program Funds (Federal)
TED Transportation / Economic Development (State)
TH Trunk Highway Funds (State)
TIF Tax Increment Financing Funds (Local)
TIGER Transportation Investment Generating Economic Recovery Funds (Federal)
TRLF Transportation Revolving Loan Fund (Federal)

TOTAL INVESTMENT
 (2014 dollars)
\$115 - \$160 M