

Battle Creek Area Transportation Study (BCATS) Transportation Improvement Program (TIP)

Master Comprehensive Project List

SORT ORDER: 1. Job Type ^, 2. Fiscal Year ^, 3. Responsible Agency ^, 4. Job no. ^, 5. Phase v

DRAFT FY20-23 TIP Project List

											For Work in BCATS Metropolitan Planning Area Only				
Fiscal Year	Job no.	Phase	Job Type	Responsible Agency	BCATS TIP Project Name	BCATS TIP Project Limits	Length	BCATS TIP Project Description	Federal Budget	Federal Fund Source	State Budget	Local Budget	Total Phase Cost	BCATS TIP Comments	
2020	120752	CON	Local	Battle Creek	Intersection Signal Modernization - Capital @ VanBuren ("Capital Ave NE in JobNet")	Capital Ave @ VanBuren St	0.00	Modernization & upgrade of traffic signal(s) at intersection, consisting of replacement of existing mast arm configuration at end of design life with new mast arms to support additional signal & camera hardware; installation of new signal(s); left-turn phasing; pedestrian signals; and inter-connection to nearby signals and City's Traffic Management Center	\$325,000	CM	\$0	\$0	\$325,000	Signal project eligible for 100% Fed CMAQ funding. Programmed in original FY17-20 TIP, Fed-approved 10/1/16. Job was inadvertently suspended in early implementation of JobNet. CR1 reprogrammed job 5/4/17, but "new" job never Fed-approved. BCATS can include JN-120752 in the JobNet transmittal package for this Am#B13, for the project to be Fed-approved in BCATS' current TIP BY AMENDMENT.	
2020	130194	CON	Local	Battle Creek	2020 City BC Major Resurfacings - Riverside,Union+ (Major Route "Riverside Dr" in JobNet)	RIVERSIDE DR, from Columbia Ave to Beckley Rd (2.6mi); UNION ST, from Michigan Ave northward to VanBuren St (0.48 mi); UPTON AVE, from Angell to Kendall (0.68 mi); ROOSEVELT AVE, from Garrison to Goodale (0.92 mi); and MEACHEM AVE, from Upton to Capital (0.77 mi).	5.27	Chipseal resurfacing, all with spot sidewalk & ramp replacement as necessary & appropriate.	\$402,514	STUL	\$0	\$89,256	\$491,770	CR3 removed \$225,000 Main St full resurfacing work, to be set up separately in new job. Action by BCATS Am#B14 / JobNet Am#J5, January 2019.	
2020	205961	CON	Local	Battle Creek	Main St full resurfacing	MAIN ST, from Mary St southward to south city limits (~200' south of Kingman Ave), ~0.5 mi, and from M-66 (Division St) southward to Hamblin Ave, ~0.1 mi.	0.59	Full Resurfacing	\$184,162	STUL	\$0	\$40,838	\$225,000	These Main St segments require full resurfacing vs. chipseal. Work and \$ separated from chipseal resurfacing work of JN-130194 (CR3) and set up as new project JN-205961 by action of BCATS Am#B14 / JobNet Am#5, January 2019.	
2020	207442	CON	Local	Battle Creek	Signal Modernization - Main @ Cliff	Signalized intersection of Main St and Cliff St	0.00	Traffic Safety - Signal Modernization	\$190,426	CMG	\$0	\$0	\$190,426	CR0 (draft job initiated) submitted February 2019, job added to TIP by Fed amendment, thru BCATS Am#B15/J6 March 2019.	
2020	130192	CON	Local	Calhoun County	N Dr N (Gorsline Rd)	from McAllister Rd (northeastern end of curve) eastward to 12 Mile Rd	2.89	Road Rehabilitation - Resurfacing	\$641,323	STUL	\$0	\$168,677	\$810,000	Originally in TIP for \$760,000 total, at 78.64% Fed STUL (\$597,684), with \$162,316 from CCRD. CR3 added \$43,639 of BCATS' previously undesignated 2020 Fed STUL funds to this project. New total of \$783,534 based on \$641,323 Fed STUL at maximum 81.85%, with \$142,211 from CCRD. CR4 set total budget at \$810,000 with Fed STUL remaining at \$641,323 (max available), and changed project's west limit from Bellevue Rd to easternmost intersection of McAllister and N Dr N (at northern end of McAllister curve), reducing project length 0.66 mi. Changed construction length > 0.5 mile to be included in TIP by Fed amendment, thru BCATS Am#B15/J6 March 2019.	
2020	206921	CON	Local	Calhoun County	CCRD Intersections - Dual Stop Signs ("Multiple Routes, Calhoun County" in JobNet)	11 intersection approaches: Waubascaon Rd (4.5 Mi Rd) northbound at Baseline Rd; Kirby Rd (R Dr N) east+westbound at Collier Ave and at Uldriks Rd; Meachem Rd east+westbound at Uldriks Rd; K Dr S east+westbound at M-66; and St Marys Lake Rd (R Dr N) east+westbound at North Ave.	0.41	Traffic Safety - Force Account installation, Dual Stop Signs with Reflective Post Sheeting and Dual Stop Ahead Signs	\$21,346	HSIP	\$0	\$2,372	\$23,718	CR0 (draft job initiated) submitted February 2019, job added to TIP by Fed amendment, thru BCATS Am#B15/J6 March 2019.	
2020	207221	CON	Local	Calhoun County	Banfield Road	Banfield Road from M-37 northwestward to Baseline Road (Calhoun County north boundary with Barry County)	0.96	Traffic Safety - Tree removal within 10 feet of the edge of the roadway	\$13,441	HRRR	\$0	\$1,493	\$14,934	CR0 (draft job initiated) submitted February 2019, job added to TIP by Fed amendment, thru BCATS Am#B15/J6 March 2019.	
2020	207222	CON	Local	Calhoun County	N Drive North (Gorsline Rd)	N Drive North from 9 1/2 Mile Road eastward to 12 Mile Road, Calhoun County	2.26	Traffic Safety - Tree removal within 10 feet of the edge of the roadway	\$8,206	HSIP	\$0	\$912	\$9,118	CR0 (draft job initiated) submitted February 2019, job added to TIP by Fed amendment, thru BCATS Am#B15/J6 March 2019.	
2020	207264	CON	Local	Calhoun County	CCRD Intersections - Flashing Beacons (overhead) ("Multiple Routes, Calhoun County" in JobNet)	3 intersections: D Drive S at 4 Mile Rd (Sonoma Rd), H Drive S at 2 1/2 Mile Road, D Drive N at 9 Mile Road, Calhoun County	0.39	Traffic Safety - Install overhead flashing beacons	\$47,984	HSIP	\$0	\$5,332	\$53,316	CR0 (draft job initiated) submitted February 2019, job added to TIP by Fed amendment, thru BCATS Am#B15/J6 March 2019.	
2021	206801	CON	Local	Battle Creek	North Ave, City of Battle Creek	North Ave aka Capital Ave NE northward from VanBuren St, then as North Ave continuing past Capital, northward to Roosevelt Ave.	1.30	Mill & Resurface	\$321,670	STUL	\$0	\$71,330	\$393,000	CR0 (draft job initiated) submitted February 2019	
2021	206802	CON	Local	Battle Creek	Territorial Rd E	from Capital Ave SW eastward to Riverside Dr	0.50	Mill & Resurface	\$151,422	STUL	\$0	\$33,578	\$185,000	CR0 (draft job initiated) submitted February 2019	
2021	206803	CON	Local	Battle Creek	Emmett St W	from Hazel St eastward across North Ave to M-66 (Capital Ave NE)	1.59	Asphalt crackfilling & chipsealing	\$147,330	STUL	\$0	\$32,670	\$180,000	CR0 (draft job initiated) submitted February 2019	
2021	207445	CON	Local	Battle Creek	Intrscn Sfty Imprmnt - North @ Emmett Roundabout	Intersection of North Ave and Emmett St	0.13	Traffic Safety - Signal removal, roundabout installation, ADA improvements	\$257,713	CM	\$0	\$492,287	\$750,000	CR0 (draft job initiated) submitted February 2019	

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2021	207722	CONc	Local	Battle Creek	2021 Local Bridge CPM - 3/3. Emmett St over CN railroad	Emmett St between Raymond Rd & Edison St/Maxwell Ave, bridge over CN railroad, asset ID 12745.	0.00	Bridge Capital Preventative Maintenance (CPM) - joint replacements, cleaning & sealing joints, epoxy deck overlay, patching or replacement of barrier railing, substructure patching, pier joint replacements, and patching of sidewalk.	\$444,000	BHT	\$83,250	\$27,750	\$555,000	CR0 (draft job initiated) authored by HarrisonM 3/15/19, approved by DavarnB 3/20/19. JN-207722 CON phase for each of three bridges under same JN listed separately in TIP, this Emmett St bridge work total \$555,000.	
2021	207722	CONb	Local	Battle Creek	2021 Local Bridge CPM - 2/3. Hamblin Ave over Kalamazoo River	Hamblin Ave between Washington Ave & Putnam St, bridge over Kalamazoo River, asset ID 1399.	0.00	Bridge Capital Preventative Maintenance (CPM) - joint replacements, cleaning & sealing joints, epoxy deck overlay, patching or replacement of barrier railing, substructure patching, pier joint replacements, and patching of sidewalk.	\$36,000	BHT	\$6,750	\$2,250	\$45,000	CR0 (draft job initiated) authored by HarrisonM 3/15/19, approved by DavarnB 3/20/19. JN-207722 CON phase for each of three bridges under same JN listed separately in TIP, this Hamblin Ave bridge work total \$45,000.	
2021	207722	CONa	Local	Battle Creek	2021 Local Bridge CPM - 1/3. Michigan Ave over Battle Creek River	Michigan Ave between United Way Dr & Carlyle/State St, bridge over Battle Creek River, asset ID 1409.	0.00	Bridge Capital Preventative Maintenance (CPM) - joint replacements, cleaning & sealing joints, epoxy deck overlay, patching or replacement of barrier railing, substructure patching, pier joint replacements, and patching of sidewalk.	\$40,000	BHT	\$7,500	\$2,500	\$50,000	CR0 (draft job initiated) authored by HarrisonM 3/15/19, approved by DavarnB 3/20/19. JN-207722 CON phase for each of three bridges under same JN listed separately in TIP, this Michigan Ave bridge work total \$50,000.	
2021	206799	CON	Local	Calhoun County	Morgan Rd (O Dr N)	from M-37 (Bedford Rd) eastward to North Ave (6 Mile Rd)	2.54	Mill & Resurface (concurrent with slope reduction on downhill westbound approach to M-37 if safety funds for such work are acquired)	\$404,932	STUL	\$0	\$89,793	\$494,725	CR0 (draft job initiated) submitted February 2019	
2021	206867	CON	Local	Calhoun County	Capital Ave SW (5 Mile Rd)	from 1,600' (0.3 mi) north of B Dr S northward to City of Battle Creek limits	0.71	Crush & shape and asphalt resurfacing	\$227,643	STUL	\$0	\$97,357	\$325,000	Lowest priority FY21 STUL-funded project, utilizing full balance of BCATS' FY21 STUL allocation available after funding JNs 206801, 206802, 206803, & 206799 all at 81.85% Fed STUL. This JN-206867 funded at 70.04% Fed STUL as of 2/15/19.	
2022	207347	CON	Local	Battle Creek	Washington Ave	from Goodale Ave southward to Michigan Ave (M-89)	1.15	Road Capital Preventive Maintenance - Mill & Resurface	\$483,367	STUL	\$0	\$107,185	\$590,552	CR0 (draft job initiated) submitted February 2019	
2022	207393	CON	Local	Calhoun County	Morgan Rd (O Dr N)	from North Ave (6 Mile Rd) eastward to M-66 (Capital Ave NE)	1.50	Road Capital Preventive Maintenance - Mill & Resurface	\$332,282	STUL	\$0	\$73,682	\$405,964	CR0 (draft job initiated) submitted February 2019	
2022	207408	CON	Local	Calhoun County	F Dr N	from Wattles Rd eastward ~0.81 mi to Flex-n-Gate driveway	0.81	Road Rehabilitation - Crush & shape and asphalt resurfacing	\$336,255	STUL	\$0	\$74,563	\$410,818	CR0 (draft job initiated) submitted February 2019	
2022	207465	CON	Local	Calhoun County	Signal Upgrade - 6.5 Mi Rd @ Harper Village Dr	Signalized intersection of 6.5 Mi Rd and Harper Village Dr	0.00	Traffic Safety - Upgrade/modernize existing signals, including video detection system	\$257,713	CMG	\$0	\$27,287	\$285,000	CR0 (draft job initiated) submitted February 2019	
2022	207496	CON	Local	Calhoun County	Main St, Emmett Twp	from M-96 (Columbia Ave) to City limits (~180' south of Kingman)	0.30	Road Capital Preventive Maintenance - HMA mill & resurface (3") with ADA ramp upgrades	\$126,096	STUL	\$0	\$27,961	\$154,057	Project as proposed originally included Grenville St also, with same limits, but Grenville determined to be non-Fed-aid eligible. Same \$ all assigned to Main St and treatment depth increased.	
2023	207416	CON	Local	Battle Creek	Capital Ave SW+NE, four segments	Dickman--Fairfield, Weeks--Rebecca, Dickman--Michigan, Michigan--Cherry	3.74	Road Capital Preventive Maintenance - HMA mill & resurface with ADA ramp upgrades	\$808,808	STUL	\$0	\$343,192	\$1,152,000	CR0 (draft job initiated) submitted February 2019	
2023	207425	CON	Local	Calhoun County	K Dr S, Phase II	from 6.5 Mile Road eastward to 7.5 Mile Road	1.26	Road Rehabilitation - Crush & shape and asphalt resurfacing	\$495,192	STUL	\$0	\$109,808	\$605,000	CR0 (draft job initiated) submitted February 2019	
2023	207469	CON	Local	Calhoun County	Signal Upgrade - Morgan Rd @ North Ave	Signalized intersection of Morgan Rd and North Ave	0.00	Traffic Safety - Upgrade/modernize existing signals, including video detection system	\$257,713	CMG	\$0	\$27,287	\$285,000	CR0 (draft job initiated) submitted February 2019	
2020	203096	NI	Multi-Modal	Battle Creek Transit	Operating Assistance for Battle Creek Transit (BCT)	BCT service area	0.00	3000-Operating Assistance	\$1,057,581	5307	\$0	\$1,057,581	\$2,115,162	Local funds from City of Battle Creek general fund, all cost estimates as of 6/22/16 held constant thru this TIP.	
2020	203108	NI	Multi-Modal	Battle Creek Transit	FTA Sec 5339(a) Transit Capital Project(s)	Project(s) to be determined, likely to be large bus replacements for Battle Creek Transit fixed-route service.	0.00	Projects to be determined, funds may be accumulated year-to-year and/or combined with other available Fed-aid for major capital projects i.e. large bus replacements.	\$96,000	5339	\$24,000	\$0	\$120,000	Added by Amendment #5 July/2017.	
2020	205179	NI	Multi-Modal	Battle Creek Transit	Specialized Services Transit Operating Assistance ("M-89" in JobNet)	within Calhoun County	0.00	SP09-Specialized Service - State operating assistance to local human services agencies, for services for the elderly and individuals with disabilities	\$0	CTF	\$92,624	\$0	\$92,624	State Comprehensive Transportation Funds (CTF) "passed through" Battle Creek Transit (BCT). Annual amount held constant thru FY17-20 TIP. JobNet CR0 to add NI phase by adjustment. Request for CR1 to follow approval to mark job as Regionally Significant per BCATS discretion, request, and historic use of the TIP. "Specialized services" operating funding for local transit has always been listed in the BCATS TIP as a line item.	

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2020	203106	NI	Multi-Modal	Community Action Agency of South Central MI, Inc	Community Action / Transit Capital Assistance - Planned 2020 Application 1+2	within Calhoun County	0.00	Acquisition of two (2) new 15-psngr van, to REPLACE two vehicles in existing fleet, plus Acquisition of two (2) new small light-duty cutaway buses, 138" wheelbase, w/lift, gas engine, to REPLACE two vehicles in existing fleet.	\$169,793	5310	\$42,448	\$0	\$212,241	To be implemented with funds "passed through" Battle Creek Transit (BCT). FTA Section 5310 "Enhanced Mobility of Seniors & Individuals with Disabilities" planned FY20 application. Cost based on 2018 application estimates (for like vehicles) increased 2%/yr. BCATS TIP ID 20201306 & 20201307 combined into JN-203106 per OPT rule "One JN per Federal funding source, per fiscal year, per agency, operating or capital"
2020	203107	NI	Multi-Modal	Community Inclusive Recreation, Inc.	Community Inclusive Recreation (CIR) Transit Capital Assistance - Planned 2020 Application	within Calhoun County	0.00	Acquisition of one (1) new small (15-psngr) light-duty cutaway buses, 138" wheelbase, w/lift, gas engine, to REPLACE one vehicle in existing fleet.	\$49,240	5310	\$12,310	\$0	\$61,550	To be implemented with funds "passed through" Battle Creek Transit (BCT). FTA Section 5310 "Enhanced Mobility of Seniors & Individuals with Disabilities" planned FY18 application. Cost based on 2017 application estimates (for like vehicle) increased 2%/yr.
2020	203109	NI	Multi-Modal	Marian E. Burch Adult Care & Rehabilitation Center	Marian Burch Adult Daycare Center (MBADC) Transit Capital Assistance - Planned 2020 Application 1+2	within Calhoun County	0.00	Replacement of one cutaway small bus plus replacement of one 12-passenger van with lift	\$100,800	5310	\$25,200	\$0	\$126,000	Funds "passed through" Battle Creek Transit (BCT). FTA Section 5310 "Enhanced Mobility of Seniors & Individuals with Disabilities" planned FY20 application. Local \$1,800 from MBADC for non-participating cost of lettering on vehicle exterior removed BY ADMINISTRATIVE ACTION 2/22/17, with total phase cost increased 1.5% & split 80/20 Fed/State, to correctly match application. BCATS TIP ID 20201303 & 20209301 combined into JN-203109 per OPT rule "One JN per Federal funding source, per fiscal year, per agency, operating or capital"
2020	127639	CON	Trunkline	MDOT	I-94 WB entrance ramp at Exit 104 interchange CON	I-94 WB entrance ramp from I-94BL/M-311 (11 Mile/Wheatfield Rd) east-south-westward to I-94	0.18	Reconstruction of the loop entrance ramp	\$1,010,700	HSIP	\$112,300	\$0	\$1,123,000	Listed separate from Trunkline Traffic Operations and Safety GPA. PE phase in 2017.
2020	201957	PE-S	Trunkline	MDOT	I-94BL/M-96 (Michigan Ave) Bridge over I-94 - PE-S	I-94BL/M-96 (Michigan Ave) Bridge over I-94 in Emmett Township	0.00	Bridge Rehabilitation - Barrier Replacement, Deck Patching, Healer/Sealer, Latex Beam Repairs, Carbon Fiber Beam Wrap, Substructure Patching, Concrete Surface Coating	\$0	M	\$83,000	\$0	\$83,000	2020 PE-S & PE phases 100% State funded, in BCATS' TIP as Regionally Significant per BCATS discretion and request in CR4+5. CON phase total \$930,000 with Fed-aid, scheduled obligation date 10/7/22 (FY23). Recent CR from MDOT bridge program staff changed descriptions in JobNet record to replace "&" with "and", remove references local govt units, and to present any bridge involving I-94 as "I-94 under..." or "I-94 over..." as appropriate, to be "public friendly". Such changes in JobNet require MPO approval, to be processed as adjustment, thru BCATS Am#B15/J6 March 2019. Descriptions in BCATS TIP material unchanged.
2020	201957	PE	Trunkline	MDOT	I-94BL/M-96 (Michigan Ave) Bridge over I-94 - PE	I-94BL/M-96 (Michigan Ave) Bridge over I-94 in Emmett Township	0.00	Bridge Rehabilitation - Barrier Replacement, Deck Patching, Healer/Sealer, Latex Beam Repairs, Carbon Fiber Beam Wrap, Substructure Patching, Concrete Surface Coating	\$0	M	\$60,000	\$0	\$60,000	2020 PE-S & PE phases 100% State funded, in BCATS' TIP as Regionally Significant per BCATS discretion and request in CR4+5. CON phase total \$930,000 with Fed-aid, scheduled obligation date 10/7/22 (FY23). Recent CR from MDOT bridge program staff changed descriptions in JobNet record to replace "&" with "and", remove references local govt units, and to present any bridge involving I-94 as "I-94 under..." or "I-94 over..." as appropriate, to be "public friendly". Such changes in JobNet require MPO approval, to be processed as adjustment, thru BCATS Am#B15/J6 March 2019. Descriptions in BCATS TIP material unchanged.
2020	202655	PE	Trunkline	MDOT	Trunkline Non-Freeway Signing Updates ("M-60" in JobNet)	All trunkline routes in the BCATS metropolitan planning area (MPA) except I-94, I-194, and west I-94BL (Columbia Ave) west of Helmer Rd	137.37	Traffic Safety - Non-freeway sign replacement	\$168,500	STG	\$0	\$0	\$168,500	BCATS area work is part of larger project also including trunkline non-freeway signing updates on +74.2 mi in Calhoun County outside BCATS MPA, +\$1,228,500 for CON. Scheduled Obligation Date for CON Phase 10/08/2021 (FY22). CR4 increased PE budget 12.5%; to be included in TIP as MPO adjustment, thru BCATS Am#B15/J6 March 2019.
2020	203667	CON	Trunkline	MDOT	M-96 (Columbia Ave)	from Helmer Road to east of Riverside Drive, ~2.8 mi	2.80	Road CPM - Milling & one course asphalt overlay with sidewalk improvements	\$1,353,800	NH,HIPS	\$300,202	\$0	\$1,654,002	2020 CON phase added by AMENDMENT (BCATS Am#12B, Sep/2018). 2019 PE phase (\$177,000, 100% State) Regionally Significant for Battle Creek TIP. 2019 ROW (\$25,000) STIP exempt. Revised to 1.5" mill+overlay instead of 2" based on CPM subcommittee comments; CR3 (9/17/18) to reduce CON cost 14.7%.
2020	203675	CON	Trunkline	MDOT	M-66 south CPM ("M-60" in JobNet)	M-66 for 2.7 miles south of I-94; from D Drive South to north of Glenn Cross Road in the City of Battle Creek, Calhoun County	11.46	Road CPM - Asphalt Crack Treatment	\$40,590	ST	\$8,910	\$0	\$49,500	BCATS area work is part of larger project also including +8.8 mi of asphalt crack treatment on each ramp of the I-69/Jonesville Rd interchange in Branch County, and on M-60 from the Branch west County line northeastward to 8 Mile Rd in Calhoun County north of Union City, + \$149,126 for CON. 2020 CON phase for BCATS area work added by AMENDMENT (BCATS Am#12B, Sep/2018). Scheduled Obligation Date for PE Phase 06/07/2019 (FY19); total PE budget for JN-203675 = \$25,000, Non-Fed-aid, PE phase NOT Regionally Significant. Cost shown here only for BCATS area work on M-66.

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2020	204348	PE-S	Trunkline	MDOT	I-94 bridge over Riverside Dr ("I-94" in JobNet)	I-94 over Riverside Drive, 0.5 miles west of M-66/I-194, City of Battle Creek, Calhoun County	0.00	Bridge CPM - Thin Epoxy Ovly, Sleeper Slab Repl, Approach Repl, Expansion Joint Replacement, End Joint Reseal, Silane Waterproofing Barrier.	\$0	M	\$68,950	\$0	\$68,950	2020 PE-S & PE phases 100% State funded, in BCATS' TIP as Regionally Significant per BCATS discretion and request in CR1. CON phase total \$906,000, with Fed-aid, scheduled obligation date 10/8/21 (FY22). Recent CR from MDOT bridge program staff changed descriptions in JobNet record to replace "&" with "and", remove references local govt units, and to present any bridge involving I-94 as "I-94 under..." or "I-94 over..." as appropriate, to be "public friendly". Such changes in JobNet require MPO approval, to be processed as adjustment, thru BCATS Am#B15/J6 March 2019. Descriptions in BCATS TIP material unchanged.
2020	204348	PE	Trunkline	MDOT	I-94 bridge over Riverside Dr ("I-94" in JobNet)	I-94 over Riverside Drive, 0.5 miles west of M-66/I-194, City of Battle Creek, Calhoun County	0.00	Bridge CPM - Thin Epoxy Ovly, Sleeper Slab Repl, Approach Repl, Expansion Joint Replacement, End Joint Reseal, Silane Waterproofing Barrier.	\$0	M	\$72,890	\$0	\$72,890	2020 PE-S & PE phases 100% State funded, in BCATS' TIP as Regionally Significant per BCATS discretion and request in CR1. CON phase total \$906,000, with Fed-aid, scheduled obligation date 10/8/21 (FY22). Recent CR from MDOT bridge program staff changed descriptions in JobNet record to replace "&" with "and", remove references local govt units, and to present any bridge involving I-94 as "I-94 under..." or "I-94 over..." as appropriate, to be "public friendly". Such changes in JobNet require MPO approval, to be processed as adjustment, thru BCATS Am#B15/J6 March 2019. Descriptions in BCATS TIP material unchanged.
2020	204349	PE-S	Trunkline	MDOT	I-194/M-66 NB & SB bridges over I-94 ("I-94" in JobNet)	I-94 at/under I-194/M-66 NB & SB, City Of Battle Creek, Calhoun County	0.00	Bridge CPM - Full Paint, Substructure Horizontal Surface Coating, Elastomeric Bearing Replacement, Joint Reseal	\$0	M	\$218,599	\$0	\$218,599	2020 PE-S & PE phases 100% State funded, in BCATS' TIP as Regionally Significant per BCATS discretion and request in CR1. CON phase total \$2,340,000 with Fed-aid, scheduled obligation date 10/8/21 (FY22). Recent CR from MDOT bridge program staff changed descriptions in JobNet record to replace "&" with "and", remove references local govt units, and to present any bridge involving I-94 as "I-94 under..." or "I-94 over..." as appropriate, to be "public friendly". Such changes in JobNet require MPO approval, to be processed as adjustment, thru BCATS Am#B15/J6 March 2019. Descriptions in BCATS TIP material unchanged.
2020	204349	PE	Trunkline	MDOT	I-194/M-66 NB & SB bridges over I-94 ("I-94" in JobNet)	I-94 at/under I-194/M-66 NB & SB, City Of Battle Creek, Calhoun County	0.00	Bridge CPM - Full Paint, Substructure Horizontal Surface Coating, Elastomeric Bearing Replacement, Joint Reseal	\$0	M	\$147,701	\$0	\$147,701	2020 PE-S & PE phases 100% State funded, in BCATS' TIP as Regionally Significant per BCATS discretion and request in CR1. CON phase total \$2,340,000 with Fed-aid, scheduled obligation date 10/8/21 (FY22). Recent CR from MDOT bridge program staff changed descriptions in JobNet record to replace "&" with "and", remove references local govt units, and to present any bridge involving I-94 as "I-94 under..." or "I-94 over..." as appropriate, to be "public friendly". Such changes in JobNet require MPO approval, to be processed as adjustment, thru BCATS Am#B15/J6 March 2019. Descriptions in BCATS TIP material unchanged.
2020	204457	CON	Trunkline	MDOT	I-194 Freeway Signing Update ("I-194 S/Columbia Ramp" in JobNet)	I-194 northbound & southbound Exit 2 off ramps to Columbia Ave, and I-194 northbound Exit 1 off ramp to Dickman Rd	0.76	Traffic Safety - Freeway Sign Replacement, Cantilevers Rep for W068-C,W071-C,W072-C,W081-C,W084-C,W085-C,W-153-C,W-154	\$150,538	STG	\$0	\$0	\$150,538	New to BCATS TIP. Part of larger project also including freeway signing updates along +1.2 mi at I-69 interchanges with I-94 (in Calhoun County) and with US-12 (in Branch County), +\$100,000 for PE, +\$580,000 for CON. PE phase for BCATS area work added by AMENDMENT (BCATS Am#12B, Sep/2018). Scheduled Obligation Date for CON Phase moved to FY20 from FY22 by CR2 Jan2019..
2020	204743	CON	Trunkline	MDOT	I-94BL (Dickman Rd) ("I-94BL" in JobNet)	from M-96/37 (Helmer Rd) eastward to southbound I-194/M-66 on-ramp	2.92	Road Rehabilitation - Milling and two course asphalt resurfacing	\$3,839,708	NH	\$789,714	\$61,730	\$4,691,152	Addition to BCATS' TIP BY AMENDMENT #B13. Fed-approved 12/18/18.
2020	205323	CON	Trunkline	MDOT	I-94BL (Michigan Ave), and Kendall St GTW rail crossings ("I-94BL" in JobNet)	at GTWRR across I-94BL (Michigan Ave), east of Union & west of Gilbert, and across Kendall St, just north of I-94BL (Dickman Rd).	0.00	Railroad crossing surface & safety improvements, with addition of right-turn lane on I-94BL westbound approach to Kendall. "A disappearing legend restricting turning movements onto Kendall from I-94BL was ordered. The right turn lane is being constructed to improve storage on I-94BL when this sign is activated."	\$225,761	STRH	\$25,084	\$0	\$250,845	CR0 (12/18/18) added CON phase in JobNet. Scheduled Obligation Date 12/13/19. Added to BCATS TIP in action of BCATS Am#B14 / JobNet Am#J5, January 2019.
2020	206006	CON	Trunkline	MDOT	MDOT Southwest Regionwide Retroreflectivity Readings	Selected trunkline segments in the BCATS metropolitan planning area	3.20	Traffic Safety - Pavement marking retroreflectivity readings and condition assessment on trunklines across MDOT Southwest Region	\$972	HSIP	\$108	\$0	\$1,080	Annual assessment program. Listed cost estimates for work in BCATS metropolitan planning area only. CR0 (draft job initiated) submitted February 2019, job added to FY17-20 TIP by Fed amendment, thru BCATS Am#B15/J6 March 2019.
2020	206134	ROW	Trunkline	MDOT	MDOT Marshall TSC Signal Modernizations ("US-131 N" in JobNet)	M-89 (Michigan) @ Stringham St traffic signal; M-89 (Michigan) @ VanBuren flashing beacon; I-94BL (Michigan) @ Charlton (fire station) emergency traffic signal; M-89 (NOT 37 referenced in JobNet description) (Michigan) @ Kimber (fire station #5) emergency traffic signal.	0.00	Traffic Safety - Traffic Signal Modernization, ADA Ramp Upgrades, Connected Vehicle Equipment Installations	\$12,000	STG	\$0	\$0	\$12,000	Part of larger \$2.9M project also including work at several intersections in St Joseph County. To be considered for addition to TIP by Fed amendment thru MPO process March 2019. CON phase FY22.

Battle Creek Area Transportation Study (BCATS) Transportation Improvement Program (TIP)

Master Comprehensive Project List

DRAFT FY20-23 TIP Project List

SORT ORDER: 1. Job Type ^, 2. Fiscal Year ^, 3. Responsible Agency ^, 4. Job no. ^, 5. Phase v

											For Work in BCATS Metropolitan Planning Area Only				
Fiscal Year	Job no.	Phase	Job Type	Responsible Agency	BCATS TIP Project Name	BCATS TIP Project Limits	Length	BCATS TIP Project Description	Federal Budget	Federal Fund Source	State Budget	Local Budget	Total Phase Cost	BCATS TIP Comments	
2020	206546	PE	Trunkline	MDOT	Annual MDOT Southwest Region Longitudinal Pavement Marking Program	Selected trunkline segments in the BCATS metropolitan planning area not being otherwise worked on during construction season.	2.37	Traffic Safety - annual longitudinal pavement marking application on trunklines across MDOT Sw Region	\$405	HSIP	\$45	\$0	\$450	Listed cost estimates for work in BCATS metropolitan planning area only. CR0 (draft job initiated) submitted February 2019, job added to TIP by Fed amendment, thru BCATS Am#B15/J6 March 2019.	
2020	206546	CON	Trunkline	MDOT	Annual MDOT Southwest Region Longitudinal Pavement Marking Program	Selected trunkline segments in the BCATS metropolitan planning area not being otherwise worked on during construction season.	2.37	Traffic Safety - annual longitudinal pavement marking application on trunklines across MDOT Sw Region	\$147,420	HSIP	\$16,380	\$0	\$163,800	Listed cost estimates for work in BCATS metropolitan planning area only. CR0 (draft job initiated) submitted February 2019, job added to TIP by Fed amendment, thru BCATS Am#B15/J6 March 2019.	
2020	206547	PE	Trunkline	MDOT	Annual MDOT Southwest Region Special Pavement Markings Program	Selected trunkline segments in the BCATS metropolitan planning area not being otherwise worked on during construction season.	3.76	Traffic Safety - annual special pavement marking (stop bars, arrows, text, etc.) application on trunklines across MDOT Sw Region	\$405	HSIP	\$45	\$0	\$450	Listed cost estimates for work in BCATS metropolitan planning area only. CR0 (draft job initiated) submitted February 2019, job added to TIP by Fed amendment, thru BCATS Am#B15/J6 March 2019.	
2020	206547	CON	Trunkline	MDOT	Annual MDOT Southwest Region Special Pavement Markings Program	Selected trunkline segments in the BCATS metropolitan planning area not being otherwise worked on during construction season.	3.76	Traffic Safety - annual special pavement marking (stop bars, arrows, text, etc.) application on trunklines across MDOT Sw Region	\$36,450	HSIP	\$4,050	\$0	\$40,500	Listed cost estimates for work in BCATS metropolitan planning area only. CR0 (draft job initiated) submitted February 2019, job added to TIP by Fed amendment, thru BCATS Am#B15/J6 March 2019.	
2021	207293	PE	Trunkline	MDOT	Annual MDOT Southwest Region Longitudinal Pavement Marking Program	Selected trunkline segments in the BCATS metropolitan planning area not being otherwise worked on during construction season.	2.37	Traffic Safety - annual longitudinal pavement marking application on trunklines across MDOT Sw Region	\$810	HSIP	\$90	\$0	\$900	CR0 (draft job initiated) submitted February 2019	
2021	207293	CON	Trunkline	MDOT	Annual MDOT Southwest Region Longitudinal Pavement Marking Program	Selected trunkline segments in the BCATS metropolitan planning area not being otherwise worked on during construction season.	2.37	Traffic Safety - annual longitudinal pavement marking application on trunklines across MDOT Sw Region	\$168,480	HSIP	\$18,720	\$0	\$187,200	CR0 (draft job initiated) submitted February 2019	
2021	207295	PE	Trunkline	MDOT	Annual MDOT Southwest Region Special Pavement Markings Program	Selected trunkline segments in the BCATS metropolitan planning area not being otherwise worked on during construction season.	2.75	Traffic Safety - annual special pavement marking (stop bars, arrows, text, etc.) application on trunklines across MDOT Sw Region	\$810	HSIP	\$90	\$0	\$900	CR0 (draft job initiated) submitted February 2019	
2021	207295	CON	Trunkline	MDOT	Annual MDOT Southwest Region Special Pavement Markings Program	Selected trunkline segments in the BCATS metropolitan planning area not being otherwise worked on during construction season.	2.75	Traffic Safety - annual special pavement marking (stop bars, arrows, text, etc.) application on trunklines across MDOT Sw Region	\$29,160	HSIP	\$3,240	\$0	\$32,400	CR0 (draft job initiated) submitted February 2019	
2021	207313	CON	Trunkline	MDOT	MDOT Southwest Regionwide Retroreflectivity Readings	Selected trunkline segments in the BCATS metropolitan planning area	1.39	Traffic Safety - Pavement marking retroreflectivity readings and condition assessment on trunklines across MDOT Southwest Region	\$891	HSIP	\$99	\$0	\$990	Annual assessment program. Listed cost estimates for work in BCATS metropolitan planning area only.	
2022	200693	CON	Trunkline	MDOT	Trunkline Intersection Signalization Upgrades ("E Kilgore Rd" in JobNet)	M-37 (Helmer Rd) @ Jackson St; M-89 (Michigan Ave) @ 20th St; and M-89 (Michigan Ave) @ Kendall St	0.00	Traffic Safety - Signals, installation of detection for actuation	\$82,929	HSIP	\$9,214	\$0	\$92,143	BCATS area work is part of larger project also including installation of detection for signal actuation at eleven other trunkline intersections in MDOT Southwest Region. Budget estimate for BCATS area work listed here calculated as 3/14 proportional share of \$430,000 total for CON, and may be revised upon receipt of requested detailed engineering estimates. Scheduled Obligation Date for CON Phase 10/08/2021 (FY22). 2019 PE.	
2022	204348	CON	Trunkline	MDOT	I-94 bridge over Riverside Dr ("I-94" in JobNet)	I-94 over Riverside Drive, 0.5 miles west of M-66/I-194, City of Battle Creek, Calhoun County	0.00	Bridge CPM - Thin Epoxy Ovly, Sleeper Slab Repl, Approach Repl, Expansion Joint Replacement, End Joint Reseal, Silane Waterproofing Barrier.	\$815,400	IM	\$90,600	\$0	\$906,000	2020 PE-S & PE phases 100% State funded, in BCATS' TIP as Regionally Significant per BCATS discretion and request in CR1. CON phase total \$906,000, with Fed-aid, scheduled obligation date 10/8/21 (FY22).	
2022	204349	CON	Trunkline	MDOT	I-194/M-66 NB & SB bridges over I-94 ("I-94" in JobNet)	I-94 at/under I-194/M-66 NB & SB, City Of Battle Creek, Calhoun County	0.00	Bridge CPM - Full Paint, Substructure Horizontal Surface Coating, Elastomeric Bearing Replacement, Joint Reseal	\$2,106,001	IM	\$233,999	\$0	\$2,340,000	2020 PE-S & PE phases 100% State funded, in BCATS' TIP as Regionally Significant per BCATS discretion and request in CR1. CON phase total \$2,340,000 with Fed-aid, scheduled obligation date 10/8/21 (FY22).	
2022	206134	CON	Trunkline	MDOT	MDOT Marshall TSC Signal Modernizations ("US-131 N" in JobNet)	M-89 (Michigan) @ Stringham St traffic signal; M-89 (Michigan) @ VanBuren flashing beacon; I-94BL (Michigan) @ Charlton (fire station) emergency traffic signal; M-89 (NOT 37 referenced in JobNet description) (Michigan) @ Kimber (fire station #5) emergency traffic signal.	0.00	Traffic Safety - Traffic Signal Modernization, ADA Ramp Upgrades, Connected Vehicle Equipment Installations	\$774,092	STG	\$0	\$0	\$774,092	Part of larger \$2.9M project also including work at several intersections in St Joseph County. To be considered for addition to TIP by Fed amendment thru MPO process March 2019. CON phase scheduled obligation date 11/12/21 (FY22).	
2022	207328	PE	Trunkline	MDOT	Annual MDOT Southwest Region Longitudinal Pavement Marking Program	Selected trunkline segments in the BCATS metropolitan planning area not being otherwise worked on during construction season.	1.31	Traffic Safety - annual longitudinal pavement marking application on trunklines across MDOT Sw Region	\$810	HSIP	\$90	\$0	\$900	CR0 (draft job initiated) submitted February 2019	
2022	207328	CON	Trunkline	MDOT	Annual MDOT Southwest Region Longitudinal Pavement Marking Program	Selected trunkline segments in the BCATS metropolitan planning area not being otherwise worked on during construction season.	1.31	Traffic Safety - annual longitudinal pavement marking application on trunklines across MDOT Sw Region	\$172,530	HSIP	\$19,170	\$0	\$191,700	CR0 (draft job initiated) submitted February 2019	

Battle Creek Area Transportation Study (BCATS)
Transportation Improvement Program (TIP)

Master Comprehensive Project List

DRAFT FY20-23 TIP Project List

SORT ORDER: 1. Job Type ^, 2. Fiscal Year ^, 3. Responsible Agency ^, 4. Job no. ^, 5. Phase v

											For Work in BCATS Metropolitan Planning Area Only				
Fiscal Year	Job no.	Phase	Job Type	Responsible Agency	BCATS TIP Project Name	BCATS TIP Project Limits	Length	BCATS TIP Project Description	Federal Budget	Federal Fund Source	State Budget	Local Budget	Total Phase Cost	BCATS TIP Comments	
2022	207329	PE	Trunkline	MDOT	Annual MDOT Southwest Region Special Pavement Markings Program	Selected trunkline segments in the BCATS metropolitan planning area not being otherwise worked on during construction season.	2.83	Traffic Safety - annual special pavement marking (stop bars, arrows, text, etc.) application on trunklines across MDOT Sw Region	\$810	HSIP	\$90	\$0	\$900	CR0 (draft job initiated) submitted February 2019	
2022	207329	CON	Trunkline	MDOT	Annual MDOT Southwest Region Special Pavement Markings Program	Selected trunkline segments in the BCATS metropolitan planning area not being otherwise worked on during construction season.	2.83	Traffic Safety - annual special pavement marking (stop bars, arrows, text, etc.) application on trunklines across MDOT Sw Region	\$37,260	HSIP	\$4,140	\$0	\$41,400	CR0 (draft job initiated) submitted February 2019	
2022	207341	CON	Trunkline	MDOT	MDOT Southwest Regionwide Retroreflectivity Readings	Selected trunkline segments in the BCATS metropolitan planning area	1.65	Traffic Safety - Pavement marking retroreflectivity readings and condition assessment on trunklines across MDOT Southwest Region	\$891	HSIP	\$99	\$0	\$990	Annual assessment program. Listed cost estimates for work in BCATS metropolitan planning area only.	
2022	207433	PE	Trunkline	MDOT	I-94 Dynamic Message Signs (DMS)	I-94 Existing DMS	0.00	ITS Applications - Install seventeen (17) CCTV cameras on existing DMS.	\$10,162	NH	\$2,231	\$0	\$12,393	Existing DMS locations to be determined and listed here.	
2023	201957	CON	Trunkline	MDOT	I-94BL/M-96 (Michigan Ave) Bridge over I-94 - CON	I-94BL/M-96 (Michigan Ave) Bridge over I-94 in Emmett Township	0.00	Bridge Rehabilitation - Barrier Replacement, Deck Patching, Healer/Sealer, Latex Beam Repairs, Carbon Fiber Beam Wrap, Substructure Patching, Concrete Surface Coating	\$837,001	IM	\$93,001	\$0	\$930,002	2020 PE-S & PE phases 100% State funded, in BCATS' TIP as Regionally Significant per BCATS discretion and request in CR4+5. CON phase total \$930,000 with Fed-aid, scheduled obligation date 10/7/22 (FY23).	
2023	202655	CON	Trunkline	MDOT	Trunkline Non-Freeway Signing Updates ("M-60" in JobNet)	All trunkline routes in the BCATS metropolitan planning area (MPA) except I-94, I-194, and west I-94BL (Columbia Ave)	137.37	Traffic Safety - Non-freeway sign replacement	\$1,046,500	STG	\$0	\$0	\$1,046,500	BCATS area work is part of larger project also including trunkline non-freeway signing updates on +74.2 mi in Calhoun County outside BCATS MPA, +\$1,228,500 for CON. Scheduled Obligation Date for CON Phase 10/08/2021 (FY22).	
2023	207365	PE	Trunkline	MDOT	Annual MDOT Southwest Region Longitudinal Pavement Marking Program	Selected trunkline segments in the BCATS metropolitan planning area not being otherwise worked on during construction season.	0.98	Traffic Safety - annual longitudinal pavement marking application on trunklines across MDOT Sw Region	\$810	HSIP	\$90	\$0	\$900	CR0 (draft job initiated) submitted February 2019	
2023	207365	CON	Trunkline	MDOT	Annual MDOT Southwest Region Longitudinal Pavement Marking Program	Selected trunkline segments in the BCATS metropolitan planning area not being otherwise worked on during construction season.	0.98	Traffic Safety - annual longitudinal pavement marking application on trunklines across MDOT Sw Region	\$172,530	HSIP	\$19,170	\$0	\$191,700	CR0 (draft job initiated) submitted February 2019	
2023	207367	PE	Trunkline	MDOT	Annual MDOT Southwest Region Special Pavement Markings Program	Selected trunkline segments in the BCATS metropolitan planning area not being otherwise worked on during construction season.	1.19	Traffic Safety - annual special pavement marking (stop bars, arrows, text, etc.) application on trunklines across MDOT Sw Region	\$810	HSIP	\$90	\$0	\$900	CR0 (draft job initiated) submitted February 2019	
2023	207367	CON	Trunkline	MDOT	Annual MDOT Southwest Region Special Pavement Markings Program	Selected trunkline segments in the BCATS metropolitan planning area not being otherwise worked on during construction season.	1.19	Traffic Safety - annual special pavement marking (stop bars, arrows, text, etc.) application on trunklines across MDOT Sw Region	\$45,360	HSIP	\$5,040	\$0	\$50,400	CR0 (draft job initiated) submitted February 2019	
2023	207378	CON	Trunkline	MDOT	MDOT Southwest Regionwide Retroreflectivity Readings	Selected trunkline segments in the BCATS metropolitan planning area	1.72	Traffic Safety - Pavement marking retroreflectivity readings and condition assessment on trunklines across MDOT Southwest Region	\$891	HSIP	\$99	\$0	\$990	Annual assessment program. Listed cost estimates for work in BCATS metropolitan planning area only.	
2023	207433	CON	Trunkline	MDOT	I-94 Dynamic Message Signs (DMS)	I-94 Existing DMS	0.00	ITS Applications - Install seventeen (17) CCTV cameras on existing DMS.	\$49,416	NH	\$10,848	\$0	\$60,264	Existing DMS locations to be determined and listed here.	