

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

Master Comprehensive Project List

FY19+20 Projects in FY17-20 TIP

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

											For Work in BCATS Metropolitan Planning Area Only				
Fiscal Year	Job no.	Phase	Phase Status	STIP Status	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
2019	121059	CON	Programmed	Approved	Battle Creek	Intersection Signal Modernization - Capital @ Michigan	Capital Ave @ Michigan Ave	0.00	Upgrade/modernize signal & interconnection to nearby signals and City's Traffic Management Center	\$325,000	CMG	\$0	\$0	\$325,000	Signal project eligible for 100% Fed CMAQ funding.
2019	130187	CON	Active	Approved	Battle Creek	2019 City BC Major Resurfacings Elm, GlennCross, +. (Major Route "Elm St" in JobNet)	ELM ST, from Cliff St (previously Mary St, changed to match PA in CR7) northward to Michigan Ave (0.32 mi); GLENN CROSS RD, from Capital Ave eastward to M-66 (0.82 mi); NORTH AVE, from Roosevelt Ave northward to Coolidge Ave (city limits) (0.61 mi); JACKSON ST, from Angell to Stringham & STRINGHAM RD, from Jackson to M-89 (2.88 mi); EMMETT ST, from Washington Ave to Grant St (904'); GOODALE AVE, from North Ave 0.23 mi westward to Redner/Roosevelt (segment is NFC Local, non-Fed-aid eligible, non-participating cost estimate of \$24,000), then continuing westward to Beglin Ct (0.51 mi) (Goodale Ave limits modified in CR7); LAFAYETTE ST, from Kendall St to Angell St (2260'); RIVER RD, from Bedford Rd to west City limit (4885'); HELMER RD, from Beckley Rd to Gethings Rd (7800'); and CAPITAL AVE, from south City limit to Beckley Rd (5315').	8.74	Road Rehabilitation - Chipseal resurfacing with spot sidewalk & ramp replacement as necessary & appropriate.	\$697,764	STUL	\$0	\$321,743	\$1,019,507	9/20/18 - City BC DPW notified BCATS of revision of planned work on Glenn Cross Rd from full resurfacing to chipseal, making funds available within existing total budget for JN-130187 to add chipsealing of segments of Helmer Rd & Capital Ave in 2019. Increased construction length added to project BY AMENDMENT. CR6 12/4/18 increased STUL funding to job CON phase by \$23,267 [proportional share (relative to other FY19 project in BCATS TIP) of \$42,943 addition to estimated FY19 STP-Small MPO revenue, observed in mid-November review of JobNet Fiscal Constraint report], new CON phase total \$797,043. Previous Fed-aid participating total of \$797,043 increased 24.9% by CR7 2/21/19 to \$995,507, Fed share increased \$45,384 with bid savings from JN-130186, and local share set to include \$24,000 non-participating costs, also included in new \$1,019,507 total.
2019	202475	CON	Programmed	Approved	Battle Creek	Hill Brady Shared Use Trail	along the east side of Hill Brady Rd from Skyline Dr to M-96 (W Dickman Rd)	2.13	Construct Hill Brady Shared Use Trail, including ADA-compliant sidewalk ramps	\$416,802	TAUL	\$0	\$277,868	\$694,670	Added by Amendment #8 Jan/2018. Local funds from City of BC Act 51 revenue. Programmed per Grant no. TA 2017019.01. Control Section is TAUL 13000.
2020	120752	CON	Programmed	Approved	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 interconnection 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	Programmed	Approved	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	Programmed	Approved	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	Programmed	Pending	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.
2019	130186	CON	Active	Approved	Calhoun County	North Ave, Pennfield Twp	from Halbert Rd northward to Calhoun County limits	2.65	Resurfacing	\$506,317	STUL	\$0	\$112,274	\$618,591	Local funds from Calhoun County Act 51 revenue.
2019	131042	CON	Active	Approved	Calhoun County	Intersection Signal Modernization - Cliff @ Raymond ("Raymond Rd" in JobNet)	Cliff St @ Raymond Rd intersection & approaches, Emmett Twp	0.01	Modernization & upgrade of traffic signal(s) at intersection, consisting of updated/upgraded support system from existing single span wire to an improved single span wire, a full box span, mast arms, post-mounted, or a combination, to better accommodate proper signal locations over each lane, added video-camera vehicle detection & traffic monitoring hardware for signal actuation, and possible coordination & interconnection to other nearby signalized intersections, and ADA compliance.	\$192,877	CMG	\$0	\$7,123	\$200,000	Local funds from Calhoun County Act 51 revenue. Intersection is a "T", with eastbound Cliff St ending at Raymond Rd. Signal modernization project eligible for 100% CMAQ funding. Initially programmed in TIP for 2020, wholly funded by CCRD; moved to 2019 BY AMENDMENT #7 Dec/2017, funding source revised to use 2019 CMAQ available balance of \$192,877, with \$7,123 from County to meet unchanged total estimated cost of \$200,000. BCATS can include JN-131042 in the JobNet transmittal package for this Am#B13, for the project to be Fed-approved in BCATS' current TIP BY AMENDMENT.

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Fiscal Year	Job no.	Phase	Phase Status	STIP Status	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
2019	202745	CON	Active	Approved	Calhoun County	F Dr N	from approximately 4,300 feet west of M-311 (11 Mile Rd) eastward to M-311	0.82	HMA base crush & shape with a 3.5 in HMA overlay. Existing paved shoulders widened. All-season status preserved.	\$0	EDA	\$294,890	\$121,714	\$416,604	State Transportation Economic Development Fund (TEDF) Category A funds. Local funds from Calhoun County Act 51 revenue. No Federal funds, added by administrative action Mar13-18. Total Phase Cost reduced 15.24%, by \$74,480 reduction in local cost (State \$ same), by administrative action 6/24/18, to match JobNet record.
2019	202882	CON	Active	Approved	Calhoun County	East Ave & Oak Grove Rd Tree Removal (Major Route "East Ave N" in JobNet)	East Ave from Morgan Rd north to Baseline Rd, Oak Grove Rd from M Dr S northeast to J Dr S. Total ~6.14 mi.	6.14	Traffic Safety - Tree removal	\$94,795	HSIP	\$0	\$10,533	\$105,328	Pre-JobNet, project was first referenced, "advertised", and reviewed/approved by BCATS Committees as an addition to TIP in Am#9 (March 2018). Not Fed approved then since on info-only list of "Projects Partly with Work in Battle Creek Metropolitan Planning Area", as it originally included four other segments in Calhoun County outside the BCATS area. Within JobNet, project added by CR0 (4/5/18), limits & cost revised as listed by CR1 (6/15/18). Action within BCATS Am#B13 Nov2018) acquired FHWA Approval Date of 12/18/18 for CR0, at original limits & cost. Minor changes in CR2 (12/19/18) prompted call in JobNet for Fed Amend to update limits & cost as listed by CR1, in action of BCATS Am#B14 / JobNet Am#J5, January 2019.
2019	202889	CON	Active	Approved	Calhoun County	CCRD Intersection Flashing Beacons (sign-mounted)	3 intersections; East Avenue at Roosevelt Avenue, East Avenue at Morgan Road, and 6.5 Mile Road at Golden Avenue (G Drive N), Calhoun County	0.26	Install sign-mounted flashing beacons on existing stop signs	\$27,000	HSIP	\$0	\$3,000	\$30,000	CR4 (12/13/18) updated phase cost due to lower estimated cost as a result of completing the work via Force Account. Cost reduced 34.2% in action of BCATS Am#B14 / JobNet Am#J5, January 2019.
2020	130192	CON	Programmed	Pending	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	Programmed	Pending	Calhoun County	CCRD Intersections - Dual Stop Signs ("Multiple Routes, Calhoun County" in JobNet)	11 intersection approaches: Waubacon 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	Programmed	Pending	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	Programmed	Pending	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	Programmed	Pending	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.
2019	207779	CON	Programmed	Pending	Grand Trunk Western RR	Kendall St GTW rail crossing ("Kendall St S" in JobNet)	At GTWRR across Kendall St, just north of I-94BL (Dickman Rd) in the City of Battle Creek, Calhoun County	0.00	to add sidelights and circuitry upgrades at rail crossing to support signal operations at crossing and at adjacent Kendall St/Dickman Rd intersection [in conjunction with other trunkline signal projects JN-205323 & JN-132618, and JN-204743 (2020 major resurfacing of Dickman Rd)]	\$45,000	STRH	\$5,000	\$0	\$50,000	CR0 to initiate draft job approved in JobNet 3/22/19. This 2019 addition to BCATS' TIP will be addressed in BCATS' FY17-20 TIP Amendment #B16/J7, to be processed thru BCATS' Committees in May 2019.
2019	205753	PE	Active	Approved	Region Wide	Kendall St GTW rail crossing ("Kendall St S" in JobNet)	At GTWRR across Kendall St, just north of I-94BL (Dickman Rd) in the City of Battle Creek, Calhoun County	0.00	to upgrade preemption circuitry to railroad crossing & traffic signals at adjacent Kendall St/Dickman Rd intersection [in conjunction with other trunkline signal projects JN-205323 & JN-132618, and JN-204743 (2020 major resurfacing of Dickman Rd)]	\$52,200	STRH	\$5,800	\$0	\$58,000	CR0 (12/19/18) added PE phase in JobNet. Scheduled Obligation Date 2/15/19. Added to BCATS TIP in action of BCATS Am#B14 / JobNet Am#J5, January 2019, replacing abandoned JN-205491 for the same work but incorrectly programmed into GPA, contrary to MPO practice. CR2 submitted 1/9/19 to abandon PE phase, with expectation that PE for this job to be handled under 132618PE. CR2 was not approved prior to transmittal of Am#B14/J5, so PE phase Fed-approved 2/4/19 in TIP at \$58,000 in action of BCATS Am#B14, and now active. Job Type should = "Trunkline", Responsible Agency should = "MDOT".
2019	205753	CON	Programmed	Approved	Region Wide	Kendall St GTW rail crossing ("Kendall St S" in JobNet)	At GTWRR across Kendall St, just north of I-94BL (Dickman Rd) in the City of Battle Creek, Calhoun County	0.00	to upgrade preemption circuitry to railroad crossing & traffic signals at adjacent Kendall St/Dickman Rd intersection [in conjunction with other trunkline signal projects JN-205323 & JN-132618, and JN-204743 (2020 major resurfacing of Dickman Rd)]	\$235,800	STRH	\$26,200	\$0	\$262,000	CR0 (12/19/18) added CON phase in JobNet. Scheduled Obligation Date 6/7/19. Added to BCATS TIP in action of BCATS Am#B14 / JobNet Am#J5, January 2019, replacing abandoned JN-205491 for the same work but incorrectly programmed into GPA, contrary to MPO practice. Job Type should = "Trunkline", Responsible Agency should = "MDOT".

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2019	203093	NI	Programmed	Approved	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.
2019	203103	NI	Programmed	Approved	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.
2019	204428	NI	Active	Approved	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 CR1 marked 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. 2019 job already active so unable to locally approve CR1 or re-submit for Fed approval.
2020	203096	NI	Programmed	Approved	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	Programmed	Approved	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	Programmed	Approved	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.
2020	203106	NI	Programmed	Approved	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"
2019	203104	NI	Programmed	Approved	Community Inclusive Recreation, Inc.	Community Inclusive Recreation (CIR) Transit Capital Assistance - Planned 2019 Application 1+2	within Calhoun County	0.00	Acquisition & installation of "Viamente" route planning software, replacement; plus acquisition of one (1) new pickup truck to REPLACE one 2006 Chevy Silverado, used to transport program participants & equipment.	\$35,840	5310	\$8,960	\$0	\$44,800	To be implemented with funds "passed through" Battle Creek Transit (BCT). FTA Section 5310 "Enhanced Mobility of Seniors & Individuals with Disabilities" planned FY19 application. BCATS TIP ID 20191307 & 20191308 combined into JN-203104 per OPT rule "One JN per Federal funding source, per fiscal year, per agency, operating or capital"
2020	203107	NI	Programmed	Approved	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.
2019	203105	NI	Programmed	Approved	Marian E. Burch Adult Care & Rehabilitation Center	Marian Burch Adult Daycare Center (MBADC) Transit Capital Assistance - Planned 2019 Application 1+2	within Calhoun County	0.00	Replacement of one cutaway small bus plus replacement of one medium-duty large bus	\$140,000	5310	\$35,000	\$0	\$175,000	Funds "passed through" Battle Creek Transit (BCT). FTA Section 5310 "Enhanced Mobility of Seniors & Individuals with Disabilities" planned FY19 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 18.3% & split 80/20 Fed/State, to correctly match application. BCATS TIP ID 20191302 & 20191303 combined into JN-203105 per OPT rule "One JN per Federal funding source, per fiscal year, per agency, operating or capital"
2020	203109	NI	Programmed	Approved	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"

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2019	123301	CON	Suspended	Approved	MDOT	M-311 (11 Mile/Wheatfield Rd) - CON	from BCATS southern Metropolitan Planning Area (MPA) boundary line btwn Newton & Burlington Twps northward to I-94 BL (Michigan Ave). April 2017 - limits reduced to ~0.35 mi north & south of Kalamazoo River (total segment length 0.692 mi). Project now wholly in BCATS Metropolitan Planning Area.	0.69	Multi-course HMA overlay	\$926,952	ST	\$205,549	\$0	\$1,132,501	Only 9.5 mi segment from I-94BL (Michigan Ave) southward to Newton/Burlington twps boundary in BCATS area, or 71% of the full 13.4 mi project further southward to M-60; Fed \$3,558,566 + State M \$789,102, total phase \$4,347,668 costs listed here represent 71% of total \$6,132,500 for CON. Total Project Cost \$6,801,500. 2016 PE in FY14-17 TIP. Deleted from BCATS' FY17-20 TIP 12/6/16 by administrative action to remove project part in BCATS area from TIP Demonstration of Fiscal Constraint and so to leave all financial accounting for the complete project fully in the Statewide TIP (STIP). Deleted from TIP by administrative action and added to new section listing projects outside of range tabulated for fiscal constraint, at end of BCATS' TIP Project List [FY17-20 Statewide TIP (STIP) - MDOT Projects Partly with Work in BCATS Metropolitan Planning Area (MPA) within Amendment #1 Nov/2016. Update with Amendment #10 May/2018: MDOT reduced this project length (bringing project wholly into MPA) & CON phase cost (to \$985,000) in April 2017 to re-direct funds to JN-125865 (\$17M+ resurfacing of I-94 east of Battle Creek). Effective October 2017, the reduced project is suspended indefinitely, and so again deleted from TIP BY AMENDMENT #10 May/2018.
2019	124061	CON	Programmed	Approved	MDOT	M-311 (11 Mile/Wheatfield Rd) CON/1	from BCATS southern Metropolitan Planning Area (MPA) boundary line btwn Newton & Burlington Twps northward to B Drive S	8.94	fixed object removal - tree removal and culvert replacement	\$504,090	HSIP	\$56,010	\$0	\$560,100	Only 5.0 mi segment from B Dr S southward to Newton/Burlington twps boundary in BCATS area, or 56% of the full 8.9 mi project further southward to M-60; costs listed here in BCATS' TIP for info only represent 56% of total \$933,500 for CON. PE phase in 2017. Deleted from BCATS' FY17-20 TIP 12/6/16 by administrative action to remove project part in BCATS area from TIP Demonstration of Fiscal Constraint and so to leave all financial accounting for the complete project fully in the Statewide TIP (STIP). Info for proportional share of project in BCATS area added to new section at end of BCATS' TIP Project List in e-file, entitled "FY17-20 Statewide TIP (STIP) - MDOT Projects Partly with Work in BCATS Metropolitan Planning Area", within Amendment #1 Nov/2016. This "S/TIP Line Item" incorporated into regular TIP Project List 5/30/18 to align with expected recording method in JobNet Phase 2 (eff. 7/16/18), and upon suggested FHWA guidance.
2019	124062	CON	Programmed	Approved	MDOT	M-311 (11 Mile/Wheatfield Rd) CON/2	from B Drive S northward to I-94 BL (Michigan Avenue)	4.49	fixed object removal - tree removal	\$121,950	HSIP	\$13,550	\$0	\$135,500	PE phase in 2017.
2019	125818	CON	Active	Approved	MDOT	M-311 (11 Mile Rd) bridge over Kalamazoo River ("M-311" in JobNet)	M-311 (11 Mile Rd) over Kalamazoo River, 1.8 miles south of I-94, Emmett Township, Calhoun County	0.00	Remove and replace bridge, rehabilitate approaches	\$2,870,889	ST	\$636,611	\$0	\$3,507,500	2015 PE & SUB phases and 2016 ROW phase in FY14-17 TIP for 2019 construction. 2017 ROW phase added by FY17-20 TIP Amendment #1 Nov/2016, separate from the Trunkline Bridge Rehab & Replace GPA. Total Project Cost updated to \$4,040,255 per JobNet 5/9/18 with inclusion of FY15 PE & PE-S budgets. Construction in 2020. CR6 modified CON phase budgets based on updated estimates. The road budget was increased by \$489,021, the bridge budget was decreased by \$402,021, and the total construction phase (without CE) was increased by \$87,000. The limits of road reconstruction increased by 125' (15% increase). The CE budget was also increased by \$13,500 to stay at 15% of the construction phase. Net change to to CON phase budget of +\$100,500, ~3%. OK'd as administrative modification by BCATS/ajt on 11/29/2018.
2019	132618	ROW	Active	Approved	MDOT	"M-96 Signals" ("M-66" in JobNet)	38 signalized intersections in BCATS metropolitan area	12.63	Signal optimizations, signal modernizations, and signal upgrades.	\$175,000	CMG	\$0	\$0	\$175,000	Added BY FY17-20 TIP AMENDMENT #2 Jan/2017, separate from any trunkline GPA. CON phase in 2019, see Limits under that 2019 CON phase for list of trunkline corridors with signals to be improved. This ROW phase moved from 2017 to 2018 due to delays in getting consultant on board and still allowing time for the environmental clearance review, by administrative action 9/28/17. Also, Total Project Cost increased \$160,000 for 23.2% increase in PE phase cost. This ROW phase moved to 2019 by administrative action 7/2/18.
2019	132618	CON	Programmed	Pending	MDOT	"M-96 Signals" ("M-66" in JobNet)	38 signalized intersections in BCATS metropolitan area; along M-96 (Columbia), M-294 (Beadle Lake Rd), M-37 (Helmer), I-94BL (Dickman), M-66 (Division-Capital), I-94BL (Hambliin-Michigan), & M-311 (11 Mile Rd).	12.63	Signal optimizations, signal modernizations, and signal upgrades.	\$2,316,000	CMG	\$0	\$0	\$2,316,000	Added BY FY17-20 TIP AMENDMENT #2 Jan/2017, separate from any trunkline GPA. PE & ROW phases in 2017. Total Project Cost increased \$160,000 for 23.2% increase in PE phase cost, by administrative action 9/28/17. ROW phase moved to 2019 by administrative action 7/2/18. CR8 (1/29/19) increased CON budget 13.5% from \$2,041,000 to \$2,316,000; to be included in TIP as MPO adjustment, thru BCATS Am#B15/J6 March 2019.
2019	200426	CON	Programmed	Approved	MDOT	M-37 (Helmer Rd) GTW rail crossing ("M-37" in JobNet)	GTW rail crossing of M-37 (Helmer Rd) south of Avenue A, north of Upton Ave, in Springfield	0.00	Reconstruct Railroad Crossing Surface	\$186,460	STRH	\$20,718	\$0	\$207,178	CR0 (11/9/18) added CON phase in JobNet. Scheduled Obligation Date 02/08/2019. Added to BCATS TIP in action of BCATS Am#B14 / JobNet Am#J5, January 2019.
2019	200693	PE	Programmed	Approved	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	\$13,500	HSIP	\$1,500	\$0	\$15,000	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 this part of PE phase for BCATS area work listed here calculated as 3/14 proportional share of \$70,000 total for PE, and may be revised upon receipt of requested detailed engineering estimates. Scheduled Obligation Date for CON Phase 10/08/2021 (FY22).
2019	201976	CON	Active	Approved	MDOT	I-94 Exit 100 Carpool Lot ("I-94" in JobNet)	existing carpool lot in northwest quadrant of I-94 Exit 100 interchange with M-294 (Beadle Lake Rd)	0.00	Roadside Facilities - Preserve - Resurface existing carpool lot - Hot mix asphalt resurfacing, selective post replacement, signs, and pavement markings.	\$40,924	ST	\$9,075	\$0	\$49,999	In BCATS TIP since Jan/2018. Phase budget reduced 37.5% by AMENDMENT (BCATS Am#12B, Sep/2018)

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

Master Comprehensive Project List

FY19+20 Projects in FY17-20 TIP

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

HIDE															For Work in BCATS Metropolitan Planning Area Only				
Fiscal Year	Job no.	Phase	Phase Status	STIP Status	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				
2019	201991	PE	Active	Approved	MDOT	MDOT Sw Region Traffic Safety Signal Project - PE	M-96 (Dickman Rd) @ Clark Rd	0.00	Install dilemma zone detection system	\$14,400	HSIP	\$1,600	\$0	\$16,000	Added to "Projects Partly with Work in Battle Creek Metropolitan Planning Area" section of Project List by administrative action May9-18. Overall project includes 7 other intersection locations in MDOT Sw Region. Cost shown here for one site in BCATS MPA represents 1/8 of \$72,000 Total Project PE cost. Included as addition to TIP BY AMENDMENT #10 May/2018. This "S/TIP Line Item" incorporated into regular TIP Project List 5/30/18 to align with expected recording method in JobNet Phase 2 (eff. 7/16/18), and upon suggested FHWA guidance.				
2019	201991	CON	Programmed	Approved	MDOT	M-96 Intersection Improvements ("E Kilgore Rd" in JobNet)	M-96 (Dickman) at Clark, and M-96 (Columbia) at M-294 (Beadle Lake Rd)/Main	0.00	Traffic Safety - Dilemma zone detection at signalized intersections	\$108,815	HSIP	\$12,091	\$0	\$120,906	M-96 (Dickman) @ Clark work added, as information item only, to "Projects Partly with Work in Battle Creek Metropolitan Planning Area" section of BCATS TIP e-file Project List by administrative action May9-18. Overall project initially included 7 other intersection locations in MDOT Sw Region. Cost shown in the May TIP e-file for the one site in BCATS MPA represented 1/8 of \$461,424 Total Project CON cost (\$57,678). BCATS' practice pre-JobNet was to reference the BCATS-area work of such projects in the TIP for information purposes only, and leave the official record of the entire project to be maintained in the STIP, particularly the financial details. That May action by BCATS included "advertising" the BCATS-area work in a 5/17/18 public notice for TIP Am#10 and presenting the situation to BCATS' Committees within discussion of the TIP amendment. CR1 (10/1/18) added a second intersection within the BCATS MPA, M-96 (Columbia) at M-294 (Beadle Lake Rd)/Main, more than doubling the CON phase cost for the BCATS-area work to \$120,906. With changes at several of the other intersections, the overall project CON phase cost increased 24.35% to \$573,775. Given the overall project CON phase cost change <25% in CR1, JobNet flagged the change for MPO action only by Adjustment/Admin Modification. However, given the significance of adding another BCATS-area intersection and increasing the BCATS-area CON phase cost by almost 110%, it was argued that CR1 should be considered a Federal amendment relative to BCATS' TIP. However, to expedite the project, BCATS agreed to MPO approval as an "adjustment" with hope that in JobNet that similar scope changes or additions in the future will trigger a requirement for Fed amendment & approval.				
2019	202017	CON	Active	Approved	MDOT	I-194/M-66 northbound & southbound ("I-194 N" in JobNet)	from I-94 northward to Golden Ave to Hamblin Ave	3.14	Road Rehabilitation - Concrete pavement repairs, hot mix asphalt one course resurfacing, hot mix asphalt one course resurfacing on shoulders adjacent to concrete mainline from Golden Avenue to Hamblin Avenue.	\$0	M,GF18	\$2,345,000	\$0	\$2,345,000	No Federal funds, added by administrative action Jan10-18 to facilitate 2018 PE. Project considered "regionally significant" by MPO, future changes subject to Fed amendment requirements. Am#11 July/2018: Extended the northern limit from Golden Ave to Hamblin Ave, increasing project length from 1.7 mi to 3.4 mi northward from I-94. Total 2018 PE increased from \$50,000 to \$105,000, total 2019 CON increased from \$1.1M to \$2.3M. CR5 made minor revisions to mile points and added segments for ramp work. Modified construction length & addition of ramp segments incorporated into CON phase BY AMENDMENT.				
2019	202999	CON	Active	Approved	MDOT	M-78 in Calhoun County ("M-78 & M-89" in JobNet)	M-78 from M-66 east/northeastward to Barry south County line	6.98	Road CPM - Cold Milling & One Course Asphalt Overlay with detail 8 joint repairs.	\$0	M	\$641,000	\$0	\$641,000	New to BCATS TIP Sep/2018. CON phase Non-Fed-aid Regionally Significant. Part of larger project also including +3.2 mi of M-78 from Barry south County line northeastward to Pease Rd in Eaton County, and 1.1 mi of M-89 from Doster Rd (Barry west County line) southeastward to Barry south County line. JobNet CR3 addition of Eaton County work on M-78 (+2.4 mi, +\$600,000) increasing total CON phase budget 52.2% to \$1,750,000, added by AMENDMENT (BCATS Am#12B, Sep/2018). Scheduled Obligation Date changed from 9/7/18 (FY18) to 11/9/18 (FY19) by JobNet CR4.				
2019	203024	PE	Programmed	Approved	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.	3.54	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.				
2019	203024	CON	Active	Approved	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.	3.54	Traffic Safety - annual longitudinal pavement marking application on trunklines across MDOT Sw Region	\$153,779	HSIP	\$17,087	\$0	\$170,866	Listed cost estimates for work in BCATS metropolitan planning area only.				
2019	203025	CON	Active	Approved	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.	3.14	Traffic Safety - annual special pavement marking (stop bars, arrows, text, etc.) application on trunklines across MDOT Sw Region	\$1,350	HSIP	\$150	\$0	\$1,500	Listed cost estimates for work in BCATS metropolitan planning area only.				
2019	203101	CON	Programmed	Pending	MDOT	I-94BL (Dickman Rd) @ I-194/M-66 Interchange Lighting Upgrade - CON	tower lighting (24) throughout interchange area	0.01	A previous project (JN-103272A) converted all existing low level ramp lighting to LED, but not any of the towers. This project will replace existing 24 HID lights with new LED tower lights, plus add dedicated ground wire from the lights down the pole, and connect to the existing "system" ground wire.	\$49,937	NH	\$9,744	\$1,218	\$60,899	Local funds from City of Battle Creek. Added BY AMENDMENT #11 July/2018. In JobNet, as Kalamazoo MPO project, with LED lighting upgrade at I-94/Westnedge interchange (Kalamazoo) together under same JN; costs shown here for Battle Creek work only. Kalamazoo area work removed to separate JN-204725 by CR2 (1/17/19), by amendment thru BCATS March 2019.				
2019	203513	CON	Programmed	Pending	MDOT	MDOT Southwest Regionwide Retroreflectivity Readings ("I-94 W" in Jobnet)	Selected trunkline segments in the BCATS metropolitan planning area	3.01	Traffic Safety - Pavement marking retroreflectivity readings and condition assessment on trunklines across MDOT Southwest Region	\$698	HSIP	\$78	\$0	\$776	Annual assessment program. Listed cost estimates for work in BCATS metropolitan planning area only. CR2 reduced CON budget 13.7%: to be included in TIP as MPO adjustment, thru BCATS Am#B15/J6 March 2019.				

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

Master Comprehensive Project List

FY19+20 Projects in FY17-20 TIP

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

For Work in BCATS Metropolitan Planning Area Only															
Fiscal Year	Job no.	Phase	Phase Status	STIP Status	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
2019	203667	ROW	Programmed	Exempt	MDOT	M-96 (Columbia Ave)	from Helmer Road to east of Riverside Drive, ~2.8 mi	2.80	Milling & one course asphalt overlay with sidewalk improvements	\$0		\$25,000	\$0	\$25,000	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%.
2019	203667	PE	Active	Approved	MDOT	M-96 (Columbia Ave)	from Helmer Road to east of Riverside Drive, ~2.8 mi	2.80	Milling & one course asphalt overlay with sidewalk improvements	\$0	M	\$177,000	\$0	\$177,000	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%.
2019	203675	PE	Programmed	Exempt	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	Asphalt Crack Treatment	\$0		\$6,200	\$0	\$6,200	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.
2019	204457	PE	Active	Approved	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	\$25,000	STG	\$0	\$0	\$25,000	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. This part of PE phase for BCATS area work listed here, added by AMENDMENT (BCATS Am#12B, Sep/2018). Scheduled Obligation Date for CON Phase moved to FY20 from FY22 by CR2 Jan2019.
2019	204743	ROW	Programmed	Approved	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	\$40,925	NH	\$8,417	\$658	\$50,000	Addition to BCATS' TIP BY AMENDMENT #B13. Fed-approved 12/18/18.
2019	204743	PE	Active	Approved	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	\$339,797	NH	\$69,886	\$5,463	\$415,146	Addition to BCATS' TIP BY AMENDMENT #B13. Fed-approved 12/18/18.
2019	205198	PE	Active	Exempt	MDOT	Statewide Rest Area & Welcome Center Rehabilitation ("US-127" in JobNet")	Rest Area 703-R off eastbound I-94 at mile marker 96, east of Helmer, west of Capital.	0.00	Federal requirement to bring deficient Rest Areas and Welcome Centers into current ADA compliance. Work is statewide	\$0		\$32,000	\$0	\$32,000	Estimated cost represents 1/11 share of \$352,000 total for PE, divided evenly among 10 MPOs with participating rest areas and 1 share for Rural rest areas.
2019	205198	CON	Programmed	Exempt	MDOT	Statewide Rest Area & Welcome Center Rehabilitation ("US-127" in JobNet")	Rest Area 703-R off eastbound I-94 at mile marker 96, east of Helmer, west of Capital.	0.00	Federal requirement to bring deficient Rest Areas and Welcome Centers into current ADA compliance. Work is statewide.	\$0		\$195,272	\$0	\$195,272	Estimated Total Phase Cost represents 1/11 share of \$2,148,000 total for CON, divided evenly among 10 MPOs with participating rest areas and 1 share for Rural rest areas. Estimated costs shown here only for BCATS area work. State & Local budget amounts from export of JobNet S/TIP Exempt report. JobNet record indicates Local Participation of \$189,250 from the City of Battle Creek in the Road/Other Construction Budget; to be corrected to \$0 per Jeff F. NOTE: check status of JN-104474, in a previous BCATS TIP with a 2013 CON phase for a \$4.5M full replacement of the existing rest area building & associated site work, that was deleted from BCATS' FY11-14 TIP in Nov/2012, and now stands "suspended" in JobNet.
2019	205323	ROW	Programmed	Exempt	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.	\$0		\$15,000	\$0	\$15,000	CON phase 2020
2019	205323	PE	Active	Approved	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.	\$25,200	STRH	\$2,800	\$0	\$28,000	CR0 (12/18/18) added PE phase in JobNet. Scheduled Obligation Date 12/18/18. Added to BCATS TIP in action of BCATS Am#B14 / JobNet Am#J5, January 2019.
2019	206134	PE	Programmed	Pending	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	\$177,612	STG	\$0	\$0	\$177,612	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.
2019	206614	CON	Programmed	Pending	MDOT	Signal Modernization - M-96 (Dickman) @ Hill Brady Rd	intersection of M-96 (Dickman Rd) and Hill Brady Rd, City of Battle Creek	0.00	Traffic Safety - New signal and phasing	\$0	M	\$310,413	\$0	\$310,413	Southbound Hill Brady Rd is main route into Fort Custer Industrial Park; improved signal phasing, especially at shift change periods for southbound left turns from westbound M-96, will address safety & congestion concerns at this location. CR0 (2/13/19) established 100% State \$ job as S/TIP exempt. CR1 (2/19/19) marked job as "Regionally Significant" at BCATS' request, requiring approval as Fed amendment, thru BCATS Am#B15/J6 March 2019.
2019	207826	PE	Programmed	Exempt	MDOT	M-66, Pennfield Twp	from pavement change on north side of Wanadoga Creek (~0.25 mi north of White Rabbit Rd) northward ~1.8 mi to Calhoun/Barry County Line	1.84	Road Capital Preventive Maintenance - Milling & One Course Asphalt Overlay	\$0		\$38,500	\$0	\$38,500	CR0 (draft job initiated) authored by HackworthC 3/28/19, approved by RothwellK 4/9/19. 100% State--funded. PE phase S/TIP exempt, CR1 submitted to set CON phase as Regionally Significant per MPO, to be amended May/2019. Full project extends 0.014 mi (~74') northward to pavement change in Barry County, with additional \$1,500 PE and \$16,500 CON in Rural-STIP.

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Fiscal Year	Job no.	Phase	Phase Status	STIP Status	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				
2019	207826	CON	Programmed	Pending	MDOT	M-66, Pennfield Twp	from pavement change on north side of Wanadoga Creek (~0.25 mi north of White Rabbit Rd) northward ~1.8 mi to Calhoun/Barry County Line	1.84	Road Capital Preventive Maintenance - Milling & One Course Asphalt Overlay	\$0	M	\$418,500	\$0	\$418,500	CR0 (draft job initiated) authored by HackworthC 3/28/19, approved by RothwellK 4/9/19. 100% State-funded. PE phase S/TIP exempt, CR1 submitted to set CON phase as Regionally Significant per MPO, to be amended May/2019. Full project extends 0.014 mi (~74') northward to pavement change in Barry County, with additional \$1,500 PE and \$16,500 CON in Rural-STIP.				
2020	127639	CON	Programmed	Approved	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	Programmed	Pending	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	Programmed	Pending	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	Programmed	Pending	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	Programmed	Approved	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	Programmed	Approved	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.				
2020	204348	PE-S	Programmed	Pending	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	Programmed	Pending	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	Programmed	Pending	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.				

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

Master Comprehensive Project List

FY19+20 Projects in FY17-20 TIP

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

HIDE															For Work in BCATS Metropolitan Planning Area Only				
Fiscal Year	Job no.	Phase	Phase Status	STIP Status	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	204349	PE	Programmed	Pending	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	Programmed	Pending	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	Programmed	Approved	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	Programmed	Approved	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	Programmed	Pending	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	Programmed	Pending	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.				
2020	206546	PE	Programmed	Pending	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	Programmed	Pending	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	Programmed	Pending	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	Programmed	Pending	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.				