

***** Battle Creek Area Transportation Study (BCATS) -- Project List -- FY 2017-2020 Transportation Improvement Program (TIP) *****

6/22/2016

All projects in Calhoun County. No Advance Construct projects. All projects Air Quality Exempt.

Fiscal Year	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Federal Cost (\$)	Federal Fund Source	State Cost (\$)	State Fund Source	Local Cost (\$)	Local Fund Source	Total Phase Cost (\$)	MDOT Job No. (JN)	TIP ID (Assigned by BCATS)	MPO/ Rural Action Date	Comments	Total Project Cost (\$1000s)
2017	Calhoun County Road Dept	B Dr S and Capital Ave SW	B Dr S from 3.5 Mile Rd eastward to M-66 (1.7 mi); Capital Ave SW, 0.25 mi north & south of B Dr S	2.23	Resurface	Resurfacing	CON	572,950	STUL			127,050	CNTY	700,000	122855	20171101	6/22/16	Local funds from Calhoun County Act 51 revenue.. Fed/Local shares recalculated at 81.85/18.15% by administrative action 1/13/16, ajt.	770
2017	Calhoun County Road Dept	Intersection Geometrics Improvement - Wattles Rd (9.5 Mile Rd) @ Verona Rd	Wattles Rd @ Verona Rd intersection & approaches, in Emmett Twp	0.06	Traffic ops/safety	Add dedicated left turn lanes on westbound Verona Rd approach and northbound Wattles Rd approach. Intersection is a "T", with northbound Wattles Rd ending at Verona Rd.	CON	137,798	CM			30,556	CNTY	168,354	121062	20171103	6/22/16	Local funds from Calhoun County Act 51 revenue. Total cost increased 10.7% from \$152,149 to \$168,355 (81.85% CMAQ, 18.15% CCRD) BY FY14-17 TIP AMENDMENT #11 Jan/2016.	185
2017	City of Battle Creek	Goguaac St, McCamly St, & Roosevelt Ave	Goguaac: from Capital Ave SW westward to Carl Ave, 4750'. McCamly: from VanBuren St northward to North Ave, 620'. Roosevelt: from East Ave westward to Garrison Ave, 1996'.	1.40	Resurface	Resurfacing (2" mill & overlay) with spot sidewalk & ramp replacement	CON	364,380	STUL			80,800	CITY	445,180	122856	20171201	6/22/16	Local funds from City of BC Act 51 revenue.. Fed/Local shares recalculated at 81.85/18.15% by administrative action 1/13/16, ajt. McCamly & Roosevelt work added to original Goguaac St project (JN-122856) BY AMENDMENT #12 May/2016, with funds available from "deleted" project (Main St, moved to 2018 in new FY17-20 TIP), to expedite bid letting & provide funding flexibility. McCamly & Roosevelt projects individually assigned JN-130180 & JN-130181 respectively after entry into eSTIP as 2018 projects in new FY17-20 TIP draft; those JNs to be "abandoned".	490
2017	City of Battle Creek	Propane Conversion / Retrofit, 18 Light-Duty Vehicles	Vehicles used within City of BC & adjacent area as necessary		Miscellaneous	Conversion of up to 18 (eighteen) Class 1 [(<6,001 lb gross vehicle weight (GVW)] or Class 2 (6,001-10,000 lb GVW) "light-duty" pickups or vans, to utilize propane as primary fuel.	CON	104,604	CM			23,196	CITY	127,800	124463	20179201	6/22/16	Added BY FY14-17 TIP AMENDMENT #3 May/14. Affirmation of CMAQ eligibility received 5/19/14 by e-mail from E. Fowler for MDOT CMAQ Project Review Committee. Project changed from 15 to 18 vehicles, and total cost increased 31.6% from \$97,123 to \$127,800 (81.85% CMAQ, 18.15% City) BY FY14-17 TIP AMENDMENT #11 Jan/2016.	128
2017	Local Road Agencies	BC Areawide Roadway Preventive Maintenance (crack fill and/or chip seal)	selected Fed-aid eligible non-trunkline roadways in the BCATS metropolitan area		Restore & rehabilitate	Capital preventive maintenance with spot HMA overlay, overband crack filling, and/or single chip sealing as appropriate	CON	232,170	STUL			51,483	OLF	283,653	122881	20171601	6/22/16	Local funds from City of BC, City of Springfield, and Calhoun County Act 51 revenue. Fed/Local shares recalculated at 81.85/18.15%, and total phase cost reduced by 18.4% (from \$341,785) , to match balance of available FY17 STUL funds after funding 3 specified road projects, by administrative action 1/13/16, ajt. Total \$ adjusted (+\$3,831 STUL) in FY14-17 TIP by administrative action 5/6/16, to utilize all available STUL funds.	312
2017	MDOT	I-94 WB entrance ramp at Exit 104 interchange PE	I-94 WB entrance ramp from I-94BL/M-311 (11 Mile/Wheatfield Rd) east-south-westward to I-94	0.17	Reconstruct	Reconstruction of the loop entrance ramp	PE	144,000	HSIP	16,000	M			160,000	127639	20179501	6/22/16	Added BY AMENDMENT #9 July/15, per 6/9/15 update from DH/MDOT. \$1.1M CON phase scheduled for 2020. Listed separate from Trunkline Traffic Operations and Safety GPA.	1,283
2017	MDOT	M-311 (11 Mile/Wheatfield Rd) PE/1	from BCATS southern Metropolitan Area Boundary line btwn Newton & Burlington Twps northward to B Drive S	5.00	Traffic ops/safety	fixed object removal - tree removal and culvert replacement	PE	115,164	HSIP	12,796	M			127,960	124061	20169502	6/22/16	Added BY AMENDMENT #5 Nov/14. 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 represent 56% of total \$228,500 for PE. Moved from 2016 to 2017 BY FY14-17 TIP AMENDMENT #11 Jan/2016.	1,162
2017	MDOT	M-311 (11 Mile/Wheatfield Rd) PE/2	from B Drive S northward to I-94 BL (Michigan Avenue)	4.50	Traffic ops/safety	fixed object removal - tree removal	PE	26,550	HSIP	2,950	M			29,500	124062	20169503	6/22/16	Added BY AMENDMENT #5 Nov/14. Moved from 2016 to 2017 BY FY14-17 TIP AMENDMENT #11 Jan/2016.	165
2017	MDOT	M-66 - CON	from south of D Dr S northward to north of Glenn Cross Rd	2.70	Resurface	3/4" mill & 1.5" overlay	CON	519,769	ST	115,258	M			635,027	129142	20179502	6/22/16	Added BY FY14-17 TIP AMENDMENT #11 Jan/2016, separate from Trunkline Highway Preservation GPA. CMAQ funding being sought to include expansion/extension of southbound right turn lane on approach to Glenn Cross Rd.	635
2017	MDOT	Wrong-Way Crash Reduction at Ramp Terminals (CON)	interchange ramps at I-94 exits 92 & 104, and I-194 exit 3		Traffic ops/safety	Improvements to reduce potential for wrong-way entry to freeway ramps	CON	28,757	HSIP	3,195	M			31,952	116716	20171501	6/22/16	BCATS area work is ~19% of larger project including other freeway ramps within MDOT Southwest Region, costs listed here represent 19% of total \$168,168 for CON.	183
2017	Transit - City of Battle Creek	1 (one) Heavy-Duty - Low Floor Bus, for fixed-route service	Battle Creek Transit (BCT) fixed-routes		Transit vehicle additions/replacements	Replace one bus used in fixed-route service	T-Cap	209,995	CM	52,499	CTF	162,506	CITY	425,000	121028	20171301	6/22/16	Administrative action 5/13/14 to adjust cost up 2.5% to match CMAQ application of Feb/2014. Changed from medium duty to heavy duty, and total cost increased 42.9% from \$262,494 to \$375,000, BY FY14-17 TIP AMENDMENT #11 Jan/2016. CMAQ funding is maximum available, leaving required match > 20%. Funding mix modified by ADMINISTRATIVE ACTION 3/9/16 to set sum of Fed+State shares to be split 80% Fed, 20% State, with remaining balance to meet the \$375,000 total designated as Local Cost. ADMINISTRATIVE ACTION 6/2/16 to add \$50,000 to Local Cost in order for estimated Total Phase Cost to match that of other identical 2017 bus replacement project.	425
2017	Transit - City of Battle Creek	1 (one) Heavy-Duty - Low Floor Bus, for fixed-route service	Battle Creek Transit (BCT) fixed-routes		Transit vehicle additions/replacements	Replace one bus used in fixed-route service	T-Cap	382,500	5339			42,500	CITY	425,000		20179305	6/22/16	FTA Sec 5339 - Small Urban Bus & Bus Facilities. ADA fully equipped, Fed share 90%. ADDED BY FY14-17 TIP AMENDMENT #12 MAY/16.	425
2017	Transit - City of Battle Creek	Community Action (formerly Community Action Agency) Capital Assistance - 2017 Application	within Calhoun County		Transit vehicle additions/replacements	Replacement of 2 small light duty vans (one 15-passenger and one 12-passenger w/lift).	T-Cap	72,800	5310	18,200	CTF			91,000		20179302	6/22/16	Added BY FY14-17 TIP AMENDMENT #11 Jan/2016, with funds "passed through" Battle Creek Transit (BCT). FTA Section 5310 "Enhanced Mobility of Seniors & Individuals with Disabilities" FY17 application.	91
2017	Transit - City of Battle Creek	Community Action (formerly Community Action Agency) Capital Assistance - Computers & Office Furniture	In Community Action central office, 175 Main St (east side of Main St just north of Dickman Rd E & railroad tracks).		Transit capital	Replacement of computers & furniture at 3 workstations in Community Action central office.	T-Cap	4,423	5310	777	CTF	1,026	OLF	6,226		20179304	6/22/16	Added BY FY14-17 TIP AMENDMENT #11 Jan/2016, with funds "passed through" Battle Creek Transit (BCT). FTA Section 5310 "Enhanced Mobility of Seniors & Individuals with Disabilities" FY17 application. Local funds from Community Action.	6
2017	Transit - City of Battle Creek	Community Action (formerly Community Action Agency) Capital Assistance - Software	In Community Action central office & in Community Action vehicles in-service within Calhoun County		Transit capital	New (expansion) transportation dispatch/vehicle maintenance software with mobile vehicle data devices.	T-Cap	77,339	5310	17,847	CTF	3,966	OLF	99,152		20179303	6/22/16	Added BY FY14-17 TIP AMENDMENT #11 Jan/2016, with funds "passed through" Battle Creek Transit (BCT). FTA Section 5310 "Enhanced Mobility of Seniors & Individuals with Disabilities" FY17 application. Local funds from Community Action.	99
2017	Transit - City of Battle Creek	Community Inclusive Recreation (CIR) Capital Assistance - 2017 Application	within Calhoun County		Transit vehicle additions/replacements	Acquisition of two (2) new small (15-psngr) light-duty cutaway buses, 138" wheelbase, w/lift, gas engine, to REPLACE two vehicles in existing fleet.	T-Cap	92,800	5310	23,200	CTF			116,000		20179301	6/22/16	Added BY FY14-17 TIP AMENDMENT #11 Jan/2016, with funds "passed through" Battle Creek Transit (BCT). FTA Section 5310 "Enhanced Mobility of Seniors & Individuals with Disabilities" FY17 application.	116

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Fiscal Year	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Federal Cost (\$)	Federal Fund Source	State Cost (\$)	State Fund Source	Local Cost (\$)	Local Fund Source	Total Phase Cost (\$)	MDOT Job No. (JN)	TIP ID (Assigned by BCATS)	MPO/ Rural Action Date	Comments	Total Project Cost (\$1000s)
2017	Transit - City of Battle Creek	Expected Transit Farebox Revenue	BCT service area		Transit operations		T-Ops					410,941	CITY	410,941		20171302	6/22/16	City of Battle Creek "farebox revenue" from fares, tokens/tickets, passes, misc transp contracts, Auxiliary Trans Revenues (i.e.advertising), & NonTrans Revenues. Held constant thru this TIP. Admin action Feb9-15 to update costs to match FY16 application and include Auxiliary Trans & NonTrans Revenues	411
2017	Transit - City of Battle Creek	Specialized Services Operating Assistance	within Calhoun County		Transit operations	Operating assistance to local human services agencies	T-Ops			92,624	CTF			92,624		20171303	6/22/16	State funds "passed through" Battle Creek Transit (BCT). Held constant thru this TIP.	93
2017	Transit - City of Battle Creek	Transit Operating Assistance	BCT service area		Transit operations		T-Ops	1,065,368	5307	1,475,468	CTF	888,230	CITY	3,429,066		20171304	6/22/16	Local funds from City of Battle Creek general fund, held constant thru this TIP. Fed & State amounts increased by 3.75% from previous year (2016) estimate that was updated by Admin Action Feb9-15 to match costs on FY16 application.	3,429
2018	Calhoun County Road Dept	B Dr N @ Beadle Lake Rd Signal Modernization - Reimburse MDOT SWR for CMAQ "Loan"	B Dr N @ Beadle Lake Rd intersection in Emmett Twp		Traffic ops/safety	Modernization & upgrade of traffic signal(s) at intersection, consisting of update of existing box span wire support system; installation of new actuated signal(s) with left-turn phasing; and pedestrian signals & ADA compliance.	CON	54,486	CMG					54,486	120751	20141101	6/22/16	Federal affirmation of CMAQ funding eligibility 3/25/13. Local funds from Calhoun County Act 51 revenue. ADMINISTRATIVE ACTION 1/2/14 to set funding to 100% Federal CMAQ. Cost estimate increased \$70,000 (\$39,145 STUL, \$30,855 CCRD) BY AMENDMENT #4 July/14, with Fed fund source changed from CMG (100% CMAQ) to CM as majority. 81.85% Fed / 18.15% Local shares calculated on total phase cost. Moved from 2014 to 2015 BY AMENDMENT #7 March/15, initially with removal of \$39,145 of FY14 Federal STUL funds from project, leaving non-Fed share of \$70,000 to be wholly from CCRD, and implementation postponed indefinitely pending availability of CCRD funds. 3/16/15 - e-mail from D. Harden, MDOT Southwest Region (SWR), confirming MDOT offer of additional funds needed (from MDOT SWR CMAQ allocation) as a "loan" to be recovered in a future, TBD year. 3/19/15 - total cost updated to \$174,000, to be funded 100% CMAQ (\$100,000 from BCATS/Calhoun County 2014 CMAQ allocation, obligated 6/2/14; \$74,000 from MDOT SWR CMAQ allocation, UNKNOWN OBLIGATION AS OF 4/22/15). Also corrected AQ status to "Exempt", from incorrect "Non-Exempt" entry 9/12/14 for this project instead of the Glenn Cross Rd Extension. ADMINISTRATIVE ACTION 3/7/16 to reduce total cost from \$174,000 to \$154,486 per Jan/2016 letting & award/contract. This TIP "project" is for "Loan" from MDOT SWR in new amount of \$54,486 to be repaid from BCATS/Calhoun County FY18 "Local" CMAQ allocation.	60
2018	Calhoun County Road Dept	East Ave	from Roosevelt Ave northward to Morgan Rd	1.17	Resurface	Resurfacing	CON	266,013	STUL			58,987	CNTY	325,000	130038	20181101	6/22/16	Local funds from Calhoun County Act 51 revenue.	358
2018	Calhoun County Road Dept	McAllister Rd	from Verona Rd northward to N Dr N	1.35	Resurface	Resurfacing	CON	274,198	STUL			60,802	CNTY	335,000	130177	20181102	6/22/16	Local funds from Calhoun County Act 51 revenue.	369
2018	Calhoun County Road Dept	One Clean Diesel Dump Truck, double-axle, cab+chassis only Fed-aid eligible	within Calhoun County		Miscellaneous	Replace one dump truck in existing fleet	CON	138,391	CM			105,429	CNTY	243,820	121064	20181103	6/22/16	Local funds from Calhoun County Act 51 revenue. Fed-aid eligible cab+chassis expense figured at \$185,000 of total vehicle cost of \$270,000. CMAQ share = \$185,000 * 81.85%.	244
2018	City of Battle Creek	Helmer Rd	from Gettings Rd northward to Columbia Ave	1.00	Resurface	Resurfacing with spot sidewalk & ramp replacement	CON	301,945	STUL			66,955	CITY	368,900	130178	20181201	6/22/16	Local funds from City of Battle Creek Act 51 revenue.	406
2018	City of Battle Creek	Intersection Signal Modernization - Capital @ Jackson	Capital Ave @ Jackson St	0.40	Traffic ops/safety	Upgrade/modernize signal & interconnection to nearby signals and City's Traffic Management Center	CON	325,000	CMG			0		325,000	130179	20181202	6/22/16	Signal project eligible for 100% Fed CMAQ funding. CMAQ project app 2016049 submitted via MGS Feb-16. OK in TIP pending approval by MDOT CMAQ Project Review Committee. ESTIP20160224122614 by A. Tilma.	358
2018	City of Battle Creek	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.	0.57	Resurface	Resurfacing (2" mill & overlay)	CON	158,863	STUL			35,227	CITY	194,090	122879	20171202	6/22/16	Local funds from City of BC Act 51 revenue. Total cost increased \$30,000 in FY14-17 TIP Am#11 Jan-Feb/2016. Deleted (as 2017 project) from FY14-17 TIP BY AMENDMENT #12 May/2016, and moved to 2018 in new FY17-20 TIP at total \$194,090.	213
2018	MDOT	M-66 (Capital Ave NE)	M-66 from Capital Ave/Division St intersection northward to Frey Dr	2.54	Restore & rehabilitate	1.5" mill & 1.5" overlay with ADA ramps	CON	1,188,563	NH	263,560	M			1,452,123	129143	20181502	6/22/16	PE & ROW phases in 2016 Trunkline Highway Preservation GPA in FY14-17 TIP	1,669
2018	Transit - City of Battle Creek	1 (one) Heavy-Duty - Low Floor Bus, for fixed-route service	Battle Creek Transit (BCT) fixed-routes		Transit vehicle additions/replacements	Replace one bus used in fixed-route service	T-Cap	390,150	5339			43,350	CITY	433,500		20181305	6/22/16	FTA Sec 5339 - Small Urban Bus & Bus Facilities. ADA fully equipped, Fed share 90%. Cost based on 2017 project for like vehicle estimate increased 2%/yr.	434
2018	Transit - City of Battle Creek	Community Action (formerly Community Action Agency) Capital Assistance - Planned 2018 Application	within Calhoun County		Transit vehicle additions/replacements	Acquisition of one (1) new 15-psngr van, to REPLACE one vehicle in existing fleet.	T-Cap	35,200	5310	8,800	CTF			44,000		20181306	6/22/16	To be implemented with funds "passed through" Battle Creek Transit (BCT). FTA Section 5310 "Enhanced Mobility of Seniors & Individuals with Disabilities" planned FY18 application.	44
2018	Transit - City of Battle Creek	Community Action (formerly Community Action Agency) Capital Assistance - Planned 2018 Application	within Calhoun County		Transit vehicle additions/replacements	Acquisition of one (1) new small light-duty cutaway bus, 138" wheelbase, w/lift, gas engine, to REPLACE one vehicle in existing fleet.	T-Cap	46,400	5310	11,600	CTF			58,000		20181307	6/22/16	To be implemented with funds "passed through" Battle Creek Transit (BCT). FTA Section 5310 "Enhanced Mobility of Seniors & Individuals with Disabilities" planned FY18 application.	58
2018	Transit - City of Battle Creek	Community Inclusive Recreation (CIR) Capital Assistance - Planned 2018 Application	within Calhoun County		Transit vehicle additions/replacements	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.	T-Cap	47,328	5310	11,832	CTF			59,160		20181308	6/22/16	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.	59

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2018	Transit - City of Battle Creek	Expected Transit Farebox Revenue	BCT service area		Transit operations		T-Ops					410,941	CITY	410,941		20181301	6/22/16	City of Battle Creek "farebox revenue" from fares, tokens/tickets, passes, misc transp contracts, Auxiliary Trans Revenues (i.e.advertising), & NonTrans Revenues. Held constant thru this TIP.	411
2018	Transit - City of Battle Creek	Marian Burch Adult Daycare Center (MBADC) Capital Assistance - Planned 2018 Application	within Calhoun County		Transit vehicle additions/replacements	Replacement of one mini-van	T-Cap	17,600	5310	4,400	CTF	1,800	OLF	23,800		20181302	6/22/16	Funds "passed through" Battle Creek Transit (BCT). FTA Section 5310 "Enhanced Mobility of Seniors & Individuals with Disabilities" planned FY18 application. Local \$ from MBADC for non-participating cost of lettering on vehicle exterior.	24
2018	Transit - City of Battle Creek	Specialized Services Operating Assistance	within Calhoun County		Transit operations	Operating assistance to local human services agencies	T-Ops			92,624	CTF			92,624		20181303	6/22/16	State funds "passed through" Battle Creek Transit (BCT). Held constant thru this TIP.	93
2018	Transit - City of Battle Creek	Transit Operating Assistance	BCT service area		Transit operations		T-Ops	1,065,368	5307	1,475,468	CTF	888,230	CITY	3,429,066		20181304	6/22/16	Local funds from City of Battle Creek general fund, held constant thru this TIP.	3,429
2019	Calhoun County Road Dept	North Ave, Pennfield Twp	from Halbert Rd northward to Calhoun County limits	2.65	Resurface	Resurfacing	CON	532,025	STUL			117,975	CNTY	650,000	130186	20191101	6/22/16	Local funds from Calhoun County Act 51 revenue.	715
2019	City of Battle Creek	Elm St	from Mary St northward to Michigan Ave	0.33	Resurface	Resurfacing with spot sidewalk & ramp replacement	CON	83,831	STUL			18,589	CITY	102,420	130187	20191201	6/22/16	Local funds from City of Battle Creek Act 51 revenue.	113
2019	City of Battle Creek	Glenn Cross Rd	from Capital Ave eastward to M-66	0.82	Resurface	Resurfacing	CON	213,285	STUL			47,295	CITY	260,580	130189	20191202	6/22/16	Local funds from City of Battle Creek Act 51 revenue.	287
2019	City of Battle Creek	Intersection Signal Modernization - Capital @ Michigan	Capital Ave @ Michigan Ave		Traffic ops/safety	Upgrade/modernize signal & interconnection to nearby signals and City's Traffic Management Center	CON	325,000	CMG			0		325,000	121059	20191203	6/22/16	Signal project eligible for 100% Fed CMAQ funding.	325
2019	City of Battle Creek	North Ave, City of BC	from Roosevelt Ave northward to Coolidge Ave (city limits)	0.61	Resurface	Resurfacing with spot sidewalk & ramp replacement	CON	196,440	STUL			43,560	CITY	240,000	130189	20191204	6/22/16	Local funds from City of Battle Creek Act 51 revenue.	264
2019	MDOT	M-311 (11 Mile/Wheatfield Rd) - CON	from BCATS southern Metropolitan Area Boundary line btwn Newton & Burlington Twps northward to I-94 BL (Michigan Ave)	9.50	Restore & rehabilitate	Multi-course HMA overlay	CON	3,558,566	ST	789,102	M			4,347,668	123301	20191501	6/22/16	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.	6,802
2019	MDOT	M-311 (11 Mile/Wheatfield Rd) Bridge over Kalamazoo River - CON	1/4 mile N+S of Kalamazoo River at M-311 (11 Mile/Wheatfield Rd), just north of D Dr N, including bridge.	0.50	Bridge replacement	Construction to replace bridge & rehabilitate approaches	CON	2,788,630	ST	618,371	M			3,407,000	125818	20191502	6/22/16	2015 PE & SUB phases and 2016 ROW phase in FY14-17 TIP for 2019 construction.	3,906
2019	MDOT	M-311 (11 Mile/Wheatfield Rd) CON/1	from BCATS southern Metropolitan Area Boundary line btwn Newton & Burlington Twps northward to B Drive S	5.00	Traffic ops/safety	fixed object removal - tree removal and culvert replacement	CON	470,484	HSIP	52,276	M			522,760	124061	20191503	6/22/16	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 represent 56% of total \$933,500 for CON. PE phase in 2017.	1,162
2019	MDOT	M-311 (11 Mile/Wheatfield Rd) CON/2	from B Drive S northward to I-94 BL (Michigan Avenue)	4.50	Traffic ops/safety	fixed object removal - tree removal	CON	121,950	HSIP	13,550	M			135,500	124062	20191504	6/22/16	PE phase in 2017.	165
2019	Transit - City of Battle Creek	1 (one) Heavy-Duty - Low Floor Bus, for fixed-route service	within BCATS metropolitan planning area in Calhoun County		Transit vehicle additions/replacements	Replace one large bus in existing fleet	T-Cap	192,877	CM	48,219	CTF	201,074	CITY	442,170	124462	20191304	6/22/16	Balance of FY19 CMAQ funds available after funding Capital @ Michigan signal project, extra matching share amount to be requested from CTF. Cost based on 2017 project for like vehicle estimate increased 2%/yr.	442
2019	Transit - City of Battle Creek	Community Inclusive Recreation (CIR) Capital Assistance - Planned 2019 Application	within Calhoun County		Transit operations equipment	Acquisition & installation of "Viamente" route planning software, replacement	T-Cap	2,240	5310	560	CTF			2,800		20191307	6/22/16	To be implemented with funds "passed through" Battle Creek Transit (BCT). FTA Section 5310 "Enhanced Mobility of Seniors & Individuals with Disabilities" planned FY19 application.	3
2019	Transit - City of Battle Creek	Community Inclusive Recreation (CIR) Capital Assistance - Planned 2019 Application	within Calhoun County		Transit vehicle additions/replacements	Acquisition of one (1) new pickup truck to REPLACE one 2006 Chevy Silverado, used to transport program participants & equipment.	T-Cap	33,600	5310	8,400	CTF			42,000		20191308	6/22/16	To be implemented with funds "passed through" Battle Creek Transit (BCT). FTA Section 5310 "Enhanced Mobility of Seniors & Individuals with Disabilities" planned FY19 application.	42
2019	Transit - City of Battle Creek	Expected Transit Farebox Revenue	BCT service area		Transit operations		T-Ops					410,941	CITY	410,941		20191301	6/22/16	City of Battle Creek "farebox revenue" from fares, tokens/tickets, passes, misc transp contracts, Auxiliary Trans Revenues (i.e.advertising), & NonTrans Revenues. Held constant thru this TIP.	411
2019	Transit - City of Battle Creek	Marian Burch Adult Daycare Center (MBADC) Capital Assistance - Planned 2019 Application 1	within Calhoun County		Transit vehicle additions/replacements	Replacement of one cutaway small bus	T-Cap	52,000	5310	13,000	CTF	1,800	OLF	66,800		20191302	6/22/16	Funds "passed through" Battle Creek Transit (BCT). FTA Section 5310 "Enhanced Mobility of Seniors & Individuals with Disabilities" planned FY19 application. Local \$ from MBADC for non-participating cost of lettering on vehicle exterior.	67
2019	Transit - City of Battle Creek	Marian Burch Adult Daycare Center (MBADC) Capital Assistance - Planned 2019 Application 2	within Calhoun County		Transit vehicle additions/replacements	Replacement of one medium-duty large bus	T-Cap	96,000	5310	24,000	CTF	1,800	OLF	121,800		20191303	6/22/16	Funds "passed through" Battle Creek Transit (BCT). FTA Section 5310 "Enhanced Mobility of Seniors & Individuals with Disabilities" planned FY19 application. Local \$ from MBADC for non-participating cost of lettering on vehicle exterior.	122
2019	Transit - City of Battle Creek	Specialized Services Operating Assistance	within Calhoun County		Transit operations	Operating assistance to local human services agencies	T-Ops			92,624	CTF			92,624		20191305	6/22/16	State funds "passed through" Battle Creek Transit (BCT). Held constant thru this TIP.	93
2019	Transit - City of Battle Creek	Transit Operating Assistance	BCT service area		Transit operations		T-Ops	1,065,368	5307	1,475,468	CTF	888,230	CITY	3,429,066		20191306	6/22/16	Local funds from City of Battle Creek general fund, held constant thru this TIP.	3,429

***** Battle Creek Area Transportation Study (BCATS) -- Project List -- FY 2017-2020 Transportation Improvement Program (TIP) *****

6/22/2016

All projects in Calhoun County. No Advance Construct projects. All projects Air Quality Exempt.

Fiscal Year	Responsible Agency	Project Name	Limits	Length	Primary Work Type	Project Description	Phase	Federal Cost (\$)	Federal Fund Source	State Cost (\$)	State Fund Source	Local Cost (\$)	Local Fund Source	Total Phase Cost (\$)	MDOT Job No. (JN)	TIP ID (Assigned by BCATS)	MPO/ Rural Action Date	Comments	Total Project Cost (\$1000s)
2020	Calhoun County Road Dept	Intersection Signal Modernization - Cliff @ Raymond	Cliff St @ Raymond Rd, Emmett Twp		Traffic ops/safety	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, added signal faces for left-turn phasing, coordination & interconnection to other nearby signalized intersections, and ADA compliance.	CON					200,000	CNTY	200,000	131042	20201103	6/22/16	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. Initial app for project wholly funded by CCRO: CMAQ \$ may be available pending disposition of higher-priority FY20 "local" CMAQ projects, and/or additional CMAQ funding by 2020. New CMAQ project application input to MGS & submitted to T. Kaufmann, MDOT Feb3-16, updated Feb5-16. OK in TIP pending approval by MDOT CMAQ Project Review Committee. THIS PROJECT IS THE LOWEST PRIORITY FOR 2020 "LOCAL" CMAQ FUNDING IN CALHOUN COUNTY. ESTIP2016040612246 by A. Tilma.	220
2020	Calhoun County Road Dept	N Dr N (Gorsline Rd)	from Bellevue Rd eastward to 12 Mile Rd	3.55	Resurface	Resurfacing	CON	45,259	STUL			714,741	CNTY	760,000	130192	20201101	6/22/16	Local funds from Calhoun County Act 51 revenue. Fed share set to utilize balance of STUL funds available after all four other FY20 projects fully funded, may be increased up to max 81.85% (-\$576,800) if funds become available.	836
2020	Calhoun County Road Dept	Waubascon Rd	from Morgan Rdd northward to Halbert Rd	2.01	Resurface	Resurfacing	CON	401,065	STUL			88,935	CNTY	490,000	130193	20201102	6/22/16	Local funds from Calhoun County Act 51 revenue.	539
2020	City of Battle Creek	Capital Ave SW	from south city limits northward to Beckley Rd	1.01	Resurface	Resurfacing with spot sidewalk & ramp replacement	CON	304,523	STUL			67,527	CITY	372,050	130194	20201201	6/22/16	Local funds from City of Battle Creek Act 51 revenue.	409
2020	City of Battle Creek	Intersection Signal Modernization - Capital @ VanBuren	Capital Ave @ VanBuren St		Traffic ops/safety	Upgrade/modernize signal & interconnection to nearby signals and City's Traffic Management Center	CON	325,000	CMG			0		325,000	120752	20201202	6/22/16	Signal project eligible for 100% Fed CMAQ funding.	358
2020	City of Battle Creek	Kendall St	from Dickman Rd northward to Michigan Ave	0.43	Resurface	Resurfacing with spot sidewalk & ramp replacement	CON	137,999	STUL			30,601	CITY	168,600	130195	20201203	6/22/16	Local funds from City of Battle Creek Act 51 revenue.	185
2020	City of Battle Creek	Union St	from Michigan Ave northward to VanBuren St	0.48	Resurface	Resurfacing with spot sidewalk & ramp replacement	CON	144,154	STUL			31,966	CITY	176,120	130196	20201204	6/22/16	Local funds from City of Battle Creek Act 51 revenue.	194
2020	City of Springfield	One Clean Diesel Dump Truck (replacement), single-axle, only cab+chassis Fed-aid eligible	within City of Springfield & adjoining areas as necessary in Calhoun County		Miscellaneous	Replace one dump truck in existing fleet	CON	73,665	CM			78,565	CITY	152,230	130197	20201401	6/22/16	Local funds from City of Springfield Act 51 revenue. Fed-aid eligible cab+chassis expense figured at \$90,000 of total vehicle cost of \$152,230. CMAQ share = \$90,000 * 81.85%.	152
2020	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	0.17	Reconstruct	Reconstruction of the loop entrance ramp	CON	1,010,700	HSIP	112,300	M			1,123,000	127639	20201501	6/22/16	Listed separate from Trunkline Traffic Operations and Safety GPA. PE phase in 2017.	1,283
2020	Transit - City of Battle Creek	1 (one) Propane-Fueled Small Bus/Van for demand-response service	Battle Creek Transit demand-response service area, generally within City of Battle Creek & limited service into adjoining townships		Transit vehicle additions/replacements	1 (one) Propane-Fueled 10-Passenger Lift-Equipped Light-Duty 20' Cutaway Bus, replacement, for demand-response service	T-Cap	45,547	CM	11,387	CTF	23,066	CITY	80,000	130198	20201301	6/22/16	CMAQ funding is maximum available after fully funding other higher priority FY20 CMAQ projects, leaving required match > 20%. Funding mix set for sum of Fed+State shares to be split 80% Fed, 20% State, with remaining balance to meet the \$80,000 total designated as Local Cost.	80
2020	Transit - City of Battle Creek	Community Action (formerly Community Action Agency) Capital Assistance - Planned 2020 Application	within Calhoun County		Transit vehicle additions/replacements	Acquisition of two (2) new 15-psngr van, to REPLACE two vehicles in existing fleet.	T-Cap	73,244	5310	18,311	CTF			91,555		20201306	6/22/16	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 vehicle) increased 2%/yr.	92
2020	Transit - City of Battle Creek	Community Action (formerly Community Action Agency) Capital Assistance - Planned 2020 Application	within Calhoun County		Transit vehicle additions/replacements	Acquisition of two (2) new small light-duty cutaway buses, 138" wheelbase, w/lift, gas engine, to REPLACE two vehicles in existing fleet.	T-Cap	96,549	5310	24,137	CTF			120,686		20201307	6/22/16	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 vehicle) increased 2%/yr.	121
2020	Transit - City of Battle Creek	Community Inclusive Recreation (CIR) Capital Assistance - Planned 2020 Application	within Calhoun County		Transit vehicle additions/replacements	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.	T-Cap	49,240	5310	12,310	CTF			61,550		20201308	6/22/16	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.	62
2020	Transit - City of Battle Creek	Expected Transit Farebox Revenue	BCT service area		Transit operations		T-Ops					410,941	CITY	410,941		20201302	6/22/16	City of Battle Creek "farebox revenue" from fares, tokens/tickets, passes, misc transp contracts, Auxillary Trans Revenues (i.e. advertising), & NonTrans Revenues. Held constant thru this TIP.	411
2020	Transit - City of Battle Creek	Marian Burch Adult Daycare Center (MBADC) Capital Assistance - Planned 2020 Application	within Calhoun County		Transit vehicle additions/replacements	Replacement of one cutaway small bus	T-Cap	54,509	5310	13,627	CTF	1,800	OLF	69,936		20201303	6/22/16	Funds "passed through" Battle Creek Transit (BCT). FTA Section 5310 "Enhanced Mobility of Seniors & Individuals with Disabilities" planned FY18 application. Local \$ from MBADC for non-participating cost of lettering on vehicle exterior. Cost based on 2019 application estimate (for like vehicle) increased 2%/yr.	70
2020	Transit - City of Battle Creek	Specialized Services Operating Assistance	within Calhoun County		Transit operations	Operating assistance to local human services agencies	T-Ops			92,624	CTF			92,624		20201304	6/22/16	State funds "passed through" Battle Creek Transit (BCT). Held constant thru this TIP.	93
2020	Transit - City of Battle Creek	Transit Operating Assistance	BCT service area		Transit operations		T-Ops	1,065,368	5307	1,475,468	CTF	888,230	CITY	3,429,066		20201305	6/22/16	Local funds from City of Battle Creek general fund, held constant thru this TIP.	3,429