

2035 Metropolitan Transportation Plan -- Table XVII-1 Recommended Improvements

bolded ID # = mapped project

YEAR	BCATS ID	LENGTH (miles)	NAME	LIMITS	DESCRIPTION	COST (\$ in thousands)	AGENCY	PROJECT TYPE*
2011	1		1 (one) Clean Diesel Dump Truck	within Calhoun County & adjacent counties as necessary	Replace existing double-axle, with box+blade, dump truck with new clean diesel model	\$ 185	CCRC	Air Quality
2011	2	0.60	Beckley Road/B Drive N	from M-66 to 6.5 Mile Rd	Resurface	\$ 296	CCRC	Preservation
2011	3	4.10	Calhoun Co. Trail Phase 1	from Emmett St through Ott Preserve to Bridge Park	New multi-modal trailway	\$ 1,793	CCRC	Non-motorized
2011	4	0.60	Beckley Road/B Drive N	from M-66 to 6.5 Mile Rd	Modify geometrics & signals at 6 Mile Rd & at Harper Village Dr intersections	\$ 200	CCRC & City of BC	Traffic Operations, Safety-Related, & Air Quality
2011	5		1 (one) Clean Diesel Utility Truck	traffic signal maintenance within Calhoun County & adjacent counties as necessary	Replace existing signal maintenance truck with new clean diesel model with upgraded overhead boom (vertical lift AND horizontal reach) to reduce work time & congestion at signalized intersections.	\$ 120	City of BC	Air Quality
2011	6	1.00	20th Street	from Goguac St to Columbia Ave	Resurface	\$ 249	City of BC	Preservation
2011	7	0.10	20th Street Bridge	over BC River	Rehabilitation	\$ 556	City of BC	Preservation
2011	8	1.70	Capital Ave. SW	from Fairfield to Rebecca	Resurface	\$ 375	City of BC	Preservation
2011	9	0.10	Capital/Hamblin Signal Upgrade	Approaches & traffic signal devices at intersection of Capital Ave & Hamblin Ave in downtown Battle Creek	Replace 2 & add 2 steel strain poles to support new mast arm design signal system. Add signal faces for left-turn phasing (new), and detector cameras on for full signal actuation on each approach. Appurtenant signage & lane markings.	\$ 254	City of BC	Air Quality & Traffic Operations
2011	10	0.10	Hamblin/Jackson Intersection (2010 ARRA)	Intersection & approaches	Rsurface all roadway pavement; minor widening to accomodate improved curb, gutter, & pedestrian facilities.	\$ 85	City of BC	Safety-Related
2011	11	1.50	Helmer Road	from Beckley Rd to Gethings Rd	Resurface	\$ 261	City of BC	Preservation
2011	12	1.30	North Avenue	from Capital Ave NE to Roosevelt Ave	Resurface	\$ 337	City of BC	Preservation
2011	16		Transit Small Bus/ Van	for Battle Creek Transit	purchase 2 replacement vehicles	\$ 160	City of BC Transit	Transit Capital
2011	17		Transit Small Bus/ Van	for Social Service Agencies	purchase 6 replacement vehicles	\$ 198	City of BC Transit	Transit Capital
2011	18		Transit Small Bus/ Van	for Social Service Agency	purchase 1 addition vehicle	\$ 21	City of BC Transit	Transit Capital
2011	19	0.10	I-194/M-66 Bridge	over GTWRR	Rehabilitation	\$ 1,918	MDOT	Bridges
2011	20	0.10	I-194/M-66 Bridges	over Dickman Road and Fountain Ave.	Rehabilitation	\$ 2,756	MDOT	Bridges

2035 Metropolitan Transportation Plan -- Table XVII-1 Recommended Improvements

bolded ID # = mapped project

YEAR	BCATS ID	LENGTH (miles)	NAME	LIMITS	DESCRIPTION	COST (\$ in thousands)	AGENCY	PROJECT TYPE*
2011	21	0.70	I-94 Interchange (exit 104)	at 11 Mile Road	Ramp work and center left turn lane on southbound Michigan Ave at Wheatfield Parkway	\$ 584	MDOT	Safety-Related
2011	22	6.10	M-37 (Bedford Rd.)	from Creekview Dr to north county line	Double Chip Seal	\$ 375	MDOT	Preservation
2011	23	3.50	M-96 (Dickman Rd.)	from Armstong Rd to Helmer Rd	Resurface	\$ 1,054	MDOT	Preservation
2012	24		1 (one) Clean Diesel Dump Truck	within Calhoun County & adjacent counties as necessary	Replace existing double-axle, with box+blade, dump truck with new clean diesel model	\$ 189	CCRC	Air Quality
2012	25	2.80	B Drive N	from 8.5 Mile Rd to 11 Mile Rd	Resurface	\$ 800	CCRC	Preservation
2012	26	0.10	B Drive N/Beadle Lake Road Intersection	Intersection & Approaches	Modify geometrics & upgrade signals	\$ 250	CCRC	Traffic Operations, Safety-Related, & Air Quality
2012	27		BC Traffic Management Center (TMC) Operating Assistance	TMC facility at City of BC DPW	Federal Congestion Mitigation Air Quality (CMAQ) funding (80%) for operation of TMC	\$ 100	City of BC	Air Quality & Traffic Operations
2012	28	0.90	Capital Ave. SW	from Weeks Rd to Cascade Dr	Resurface	\$ 285	City of BC	Preservation
2012	29	0.90	Jackson St./Stringham Road	from Bedford Rd to M-89 (Michigan Ave)	Resurface	\$ 250	City of BC	Preservation
2012	30		Beckley Rd Corridor Circulator & I-194 Express Service Operating Assistance	for Battle Creek Transit	Federal Transit Administration Section 5316 "Job Access/Reverse Commute" (JARC) funding (50%)	\$ 427	City of BC Transit	Transit Operating
2012	34		Transit Small Bus/ Van	for Social Service Agencies	purchase 5 replacement vehicles	\$ 310	City of BC Transit	Transit Capital
2012	35	0.10	I-94BL/20th Street Intersection	Crossovers in SE quadrant of inters.	Redesign SE quadrant to traditional 4-leg intersection	\$ 396	City of Springfield	Traffic Operations
2012	36	0.40	I-194 Interchange	at Dickman Road	Interchange Lighting upgrade	\$ 935	MDOT	Traffic Operations
2012	37	0.07	I-194/M-66 southbound off ramp onto M-96 (Columbia Ave E)	I-194/M-66 exit 2 interchange	Widen terminal ending to create a right turn lane onto M-96	\$ 75	MDOT	Air Quality & Traffic Operations
2012	38	1.70	I-94BL/M-96 (E. Michigan Ave)	from Wattles Rd to M-311 (11 Mile Rd)	resurface/restripe and minor widening along 4/10ths mile at eastern edge of project	\$ 1,607	MDOT	Traffic Operations & Air Quality
2012	39	0.80	M-66 (Capital Ave NE) bridge over Wanondaga Creek	over Wanondaga Creek	Replacement of bridge and rehab of approaches	\$ 1,248	MDOT	Bridges
2012	40	2.30	M-96 (Columbia Ave E)	from west of Riverside Dr eastward to I-194/M-66, and from east of M-294 (Main St/Beadle Lake Rd) eastward to junction at I-94BL (Michigan Ave)	1.5" cold milling & 1.5" HMA resurfacing, ADA ramps	\$ 1,100	MDOT	Preservation
2012	41	0.10	M-96 (Columbia Ave E) bridge over Raymond Rd	Bridge over Raymond Rd.	Bridge replacement	\$ 1,810	MDOT	Bridges

2035 Metropolitan Transportation Plan -- Table XVII-1 Recommended Improvements

bolded ID # = mapped project

YEAR	BCATS ID	LENGTH (miles)	NAME	LIMITS	DESCRIPTION	COST (\$ in thousands)	AGENCY	PROJECT TYPE*
2013	42	3.50	B Drive S	from 8.5 Mile Rd to 12 Mile Rd	Resurface	\$ 800	CCRC	Preservation
2013	43		2 (two) Clean Diesel Dump Trucks	within City of Battle Creek & adjacent areas as necessary	Replace two existing single-axle, with box+blade, dump trucks with new clean diesel models	\$ 289	City of BC	Air Quality
2013	44		BC Traffic Management Center (TMC) Phase 2 (expansion)	TMC facility at City of BC DPW	Federal Congestion Mitigation Air Quality (CMAQ) funding (80%) for expansion of TMC	\$ 190	City of BC	Air Quality & Traffic Operations
2013	45	1.40	Beckley Road	from Minges Rd to M-66	Resurface	\$ 500	City of BC	Preservation
2013	46		Fare System Upgrade	for Battle Creek Transit	update and upgrade fare syst.	\$ 500	City of BC Transit	Transit Capital
2013	50		Transit Small Bus/ Van	for Battle Creek Transit	purchase 1 replacement vehicle	\$ 82	City of BC Transit	Transit Capital
2013	51		1 (one) Clean Diesel Dump Truck	within City of Springfield & adjacent areas as necessary	Replace one existing single-axle, with box+blade, dump truck with new clean diesel model	\$ 144	City of Springfield	Air Quality
2013	52	1.40	Goguac Street	from Helmer Rd to Carl Ave	Resurface	\$ 284	City of Springfield	Preservation
2013	53	0.60	Upton Ave/Avenue A	from Avenue A eastward to city limits / from 20th St eastward to Upton 20th St.	Resurface	\$ 121	City of Springfield	Preservation
2013	54	3.40	I-194 Freeway Signing	from I-94 to Hamblin Ave	Signing upgrade	\$ 460	MDOT	Traffic Operations
2013	55		I-94 & I-194 ITS Project	In BCATS area	Installation of 4 ITS mess. signs on I-94 and 1 sign on I-194	\$ 1,131	MDOT	Traffic Operations
2013	56	0.10	I-94BL Carpool Lot	NE quadrant at Exit 92	Resurface	\$ 43	MDOT	Preservation
2014	57		1 (one) Clean Diesel Dump Truck	within Calhoun County & adjacent counties as necessary	Replace existing double-axle, with box+blade, dump truck with new clean diesel model	\$ 208	CCRC	Air Quality
2014	58	1.60	6 1/2 Mile Road	from Christian Dr to G Dr N	Resurface	\$ 440	CCRC	Preservation
2014	59	2.70	Raymond Road	from Verona Rd to Golden Ave	Resurface	\$ 879	CCRC	Preservation
2014	60	0.10	Wattles Road/Verona Road Intersection	Intersection & Approaches	Modify geometrics & upgrade signals	\$ 225	CCRC	Traffic Operations, Safety-Related, & Air Quality
2014	61	0.60	East Avenue	from Emmett St to Roosevelt Ave	Resurface	\$ 160	City of BC	Preservation
2014	65	1.50	Territorial Rd & Evergreen Ave	from Helmer Rd eastward to 20th St & from Avenue A northward to Harmonia Rd	Resurface	\$ 365	City of BC/Spr.	Preservation
2014	66	0.50	I-94 EB Rest Area	Rest Area #703	Reconstruction	\$ 4,202	MDOT	Preservation
2014	67	1.60	I-94BL/M-37 (Climax Rd/Columbia Ave W)	from I-94 exit 92 interchange to Columbia Ave W turnoff	HMA overlay and minor widening	\$ 4,560	MDOT	Preservation

2035 Metropolitan Transportation Plan -- Table XVII-1 Recommended Improvements

bolded ID # = mapped project

YEAR	BCATS ID	LENGTH (miles)	NAME	LIMITS	DESCRIPTION	COST (\$ in thousands)	AGENCY	PROJECT TYPE*
2015	69		Transit Computer System Upgrade	for Battle Creek Transit	upgrade/replacement of transit computer system	\$ 54	City of BC Transit	Transit Capital
2015	71		Transit Radio System	for Battle Creek Transit	Radio system replacement	\$ 216	City of BC Transit	Transit Capital
2015	73		Transit Small Bus/ Van	for Social Service Agencies	purchase 4 replacement vehicles	\$ 173	City of BC Transit	Transit Capital
2016	74	1.00	Glen Cross Road Extension	from M-66 east and north to B Dr N	New Route	\$ 2,138	CCRC	Expansion
2016	77		Transit Passenger Shelters	for Battle Creek Transit	purchase 10 replacement shelters	\$ 55	City of BC Transit	Transit Capital
2016	79		Transit Small Bus/ Van	for Battle Creek Transit	purchase 2 replacement vehicles	\$ 148	City of BC Transit	Transit Capital
2016	80	0.13	Avenue A re-alignment / Military Ave extension	from M-96 (Dickman Rd) to Avenue A	Close M-96/Avenue A intersection, extend Military Ave northeastward to meet Avenue A	\$ 228	City of Springfield	Expansion, Safety-Related, Traffic Operations, & Air Quality
2017	81		30' Transit Vehicle	for Battle Creek Transit	Purchase 1 large bus - replace.	\$ 422	City of BC Transit	Transit Capital
2017	85		Transit Small Bus/ Van	for Battle Creek Transit	purchase 1 replacement vehicle	\$ 75	City of BC Transit	Transit Capital
2018	86		30' Transit Vehicle	for Battle Creek Transit	purchase 5 replacement vehicles	\$ 2,154	City of BC Transit	Transit Capital
2019	90	0.10	Morgan Road Bridge Over Battle Creek Riv	at Battle Creek River	New Bridge	\$ 5,970	CCRC	Expansion
2019	91	1.30	Morgan Road Extension	from M-66 (Capital Ave NE) to Bellevue Rd at N Dr N	New Route	\$ 5,970	CCRC	Expansion
2019	92		30' Transit Vehicle	for Battle Creek Transit	purchase 5 replacement vehicles	\$ 2,197	City of BC Transit	Transit Capital
2019	96		Transit Small Bus/ Van	for Battle Creek Transit	purchase 4 replacement vehicles	\$ 314	City of BC Transit	Transit Capital
2020	97	0.90	Verona Rd	from McAllister Rd to Wattles Rd	minor widening for center left turn lane and resurfacing	\$ 1,099	CCRC	Traffic Operations & Air Quality
2020	98		28' Transit Vehicle	for Battle Creek Transit	purchase 1 replacement vehicle	\$ 155	City of BC Transit	Transit Capital
2020	99		30' Transit Vehicle	for Battle Creek Transit	purchase 2 replacement vehicles	\$ 896	City of BC Transit	Transit Capital
2020	100		AVL/CAD System Upgrade	for Battle Creek Transit	upgrade AVL/CAD system	\$ 120	City of BC Transit	Transit Capital
2020	102		Transit facility renovation	for Battle Creek Transit	renovation of facilities	\$ 1,195	City of BC Transit	Transit Capital
2020	105		Transit Small Bus/ Van	for Social Service Agencies	purchase 4 replacement vehicles	\$ 191	City of BC Transit	Transit Capital
2020	106		Transit Small Bus/ Van	for Battle Creek Transit	purchase 3 replacement vehicles	\$ 240	City of BC Transit	Transit Capital

2035 Metropolitan Transportation Plan -- Table XVII-1 Recommended Improvements

bolded ID # = mapped project

YEAR	BCATS ID	LENGTH (miles)	NAME	LIMITS	DESCRIPTION	COST (\$ in thousands)	AGENCY	PROJECT TYPE*
2021	110		EB and WB Bridges on I-94	over GTWRR	minor widening and rehabilitation	\$ 3,668	MDOT	Bridges
2022	114		Transit Small Bus/ Van	for Battle Creek Transit	purchase 2 replacement vehicles	\$ 167	City of BC Transit	Transit Capital
2023	115		30' Transit Vehicle	for Battle Creek Transit	purchase 1 replacement bus	\$ 476	City of BC Transit	Transit Capital
2023	119		EB and WB Bridges on I-94	over 6 1/2 Mile Rd.	minor widening and rehabilitation	\$ 4,618	MDOT	Bridges
2024	120		Fare System Upgrade	for Battle Creek Transit	update and upgrade fare syst.	\$ 517	City of BC Transit	Transit Capital
2024	124		Transit Small Bus/ Van	for Battle Creek Transit	purchase 1 replacement vehicle	\$ 87	City of BC Transit	Transit Capital
2025	126		Transit Computer System Upgrade	for Battle Creek Transit	upgrade/replacement of transit computer system	\$ 66	City of BC Transit	Transit Capital
2025	129		Transit Small Bus/ Van	for Social Service Agencies	purchase 4 replacement vehicles	\$ 211	City of BC Transit	Transit Capital
2025	130		EB and WB Bridges on I-94	over M-294 (Beadle Lake Rd.)	minor widening and rehabilitation	\$ 3,884	MDOT	Bridges
2026	133		Transit Passenger Shelters	for Battle Creek Transit	purchase 10 replacement shelters	\$ 67	City of BC Transit	Transit Capital
2026	135		Transit Small Bus/ Van	for Battle Creek Transit	purchase 4 replacement vehicles	\$ 361	City of BC Transit	Transit Capital
2027	136		AVL/CAD System Upgrade	for Battle Creek Transit	upgrade AVL/CAD system	\$ 137	City of BC Transit	Transit Capital
2027	140		Transit Small Bus/ Van	for Battle Creek Transit	purchase 3 replacement vehicles	\$ 276	City of BC Transit	Transit Capital
2027	141		EB and WB Bridges on I-94	over 9 Mile Road	minor widening and rehabilitation	\$ 4,162	MDOT	Bridges
2029	145		30' Transit Vehicle	for Battle Creek Transit	purchase 1 replacement vehicle	\$ 536	City of BC Transit	Transit Capital
2030	149		28' Transit Vehicle	for Battle Creek Transit	purchase 1 replacement vehicle	\$ 189	City of BC Transit	Transit Capital
2030	150		30' Transit Vehicle	for Battle Creek Transit	purchase 5 replacement vehicles	\$ 2,732	City of BC Transit	Transit Capital
2030	152		Transit facility renovation	for Battle Creek Transit	renovation of facilities	\$ 1,457	City of BC Transit	Transit Capital
2030	155		Transit Small Bus/ Van	for Social Service Agencies	purchase 4 replacement vehicles	\$ 233	City of BC Transit	Transit Capital
2030	156		EB and WB Bridges on I-94	over Kalamazoo River	replacement of bridges	\$ 15,764	MDOT	Bridges
2031	160		Transit Small Bus/ Van	for Battle Creek Transit	purchase 1 replacement vehicle	\$ 100	City of BC Transit	Transit Capital
2032	161		30' Transit Vehicle	for Battle Creek Transit	purchase 4 replacement vehicles	\$ 2,274	City of BC Transit	Transit Capital
2035	171		30' Transit Vehicle	for Battle Creek Transit	purchase 1 replacement vehicle	\$ 603	City of BC Transit	Transit Capital

**2035 Metropolitan Transportation Plan -- Table XVII-1
Recommended Improvements**

bolded ID # = mapped project

YEAR	BCATS ID	LENGTH (miles)	NAME	LIMITS	DESCRIPTION	COST (\$ in thousands)	AGENCY	PROJECT TYPE*
2035	172		AVL/CAD System Upgrade	for Battle Creek Transit	upgrade AVL/CAD system	\$ 161	City of BC Transit	Transit Capital
2035	173		Fare System Upgrade	for Battle Creek Transit	update and upgrade fare syst.	\$ 643	City of BC Transit	Transit Capital
2035	176		Transit Passenger Shelters	for Battle Creek Transit	purchase 10 replacement shelters	\$ 80	City of BC Transit	Transit Capital
2035	177		Transit Radio System	for Battle Creek Transit	replace transit radio system	\$ 322	City of BC Transit	Transit Capital
2035	179		Transit Small Bus/ Van	for Social Service Agencies	purchase 4 replacement vehicles	\$ 257	City of BC Transit	Transit Capital
2011-2035	180		Annual Transit Security (total expected over 2011-2035, average \$12,600/year)	for Battle Creek Transit	Security related improvements (1% of federal operating assistance annually)	\$ 315	City of BC Transit	Security
2011-2035	181		Annual Specialized Services Operating Assistance (total expected over 2011-2035, average \$118,900/year)	for Social Service Agencies	Assistance to Human Service Agencies	\$ 2,973	City of BC Transit	Transit Operating
2011-2035	182		Annual Transit Operating Assistance (total expected over 2011-2035, average \$4.4M/year)	for Battle Creek Transit	Fed., State, Local Operating Assistance	\$ 110,467	City of BC Transit	Transit Operating
2015-2035	183		Annual Preserve Strategy Local Agencies (total planned over 2015-2035, average \$2.6M/year)	On Federal-Aid eligible roadways	resurfacing and reconstruction	\$ 54,416	BC, CCRC, & Springfield	Preservation
2015-2035	184		Annual Preserve Strategy MDOT (total planned over 2015-2035, average \$5.7M/year)	On state system	resurfacing and reconstruction	\$ 119,522	MDOT	Preservation
					TOTAL	\$ 392,893		