

DRAFT - CAPACITY EXPANDING LONG RANGE PLAN PROJECTS FOR ALTERNATIVES ANALYSIS (Subject to editing and corrections)

Map Reference Number	Year	Funding	Estimated Construction Cost (2009 dollars)	Year of Construction Cost	Federal Funds	Local Jurisdiction	Location	Length (miles)	Termini	Potential Option
25	2009	STP	667,000		533,600	Lansing	Dunckel Road		at US 127/I-496	Widen from 2 to 4 lanes
	STP		667,000		533,600					
	TOTAL		667,000		533,600					
19	2010	Local	4,100,000	4,305,000		East Lansing	Coleman Road	0.78	West to Wood	Construct 2 lane roadway including bike lanes
30	2010	Local	46,000	48,300		Lansing	Holmes Road	2.30	Waverly to Cedar (except Wash to Logan Sq)	Reduce from 4 to 3 lanes (grinding, striping, signage)
38	2010	Local	300,000	315,000		Lansing	Mt. Hope Avenue		at Washington	Add left turn lanes
54	2010	Earmark	45,000,000	47,250,000	37,800,000	MSU	Farm Lane	0.80	Mt. Hope to Trowbridge	Widen from 2 to 4 lanes with grade seperation of the railroads (under construction)
10	2010	STP	1,600,000	1,680,000	1,344,000	ECRC	Michigan Avenue	1.00	Canal to Creyts	Construct 3 lane roadway
13	2010	STP	800,000	840,000	672,000	ECRC	Nixon Road	0.40	St. Joe to Rockbridge	Widen from 2 to 3 lanes
	LOCAL		4,446,000	4,668,300	0		EST FED Revenue			
	Earmark		45,000,000	47,250,000	37,800,000					
	STP		2,400,000	2,520,000	2,016,000	STP	4,425,583		45.55%	
	TOTAL		51,846,000	54,438,300	39,816,000					

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31	2011	Local	36,000	39,690		Lansing	Jolly Road	1.80	Waverly to MLK	Reduce from 4 to 3 lanes (grinding, striping, signage)
40	2011	Local	46,000	50,715		Lansing	Mt. Hope Avenue	2.30	Moore's River to Washington	Reduce from 4 to 3 lanes (grinding, striping, signage)
6b	2011	STP	1,500,000	1,653,750	1,323,000	ECRC	Canal Road	1.00	Windsor Highway to Lansing Road	Widen from 2 to 3 lanes
69	2011	STP	494,200	544,856	435,884	ICRC	Okemos Road	0.25	Sandhill to I-96	Widen from 2 to 3 lanes from Sandhill North to the existing multilane portion of Okemos Road (center left turn lane)
71	2011	STP	622,800	686,637	549,310	ICRC	Waverly Road	1.00	Miller to Jolly	Widen from 2 to 3 lanes with paved shoulders
New	2011	Local	2,160,000	2,381,400		Charlotte	Parkland Drive	0.76	Lipsey to Packard	Construct new 2 lane road in industrial park
NEW	2011	Local (potential CMAQ)	768,800	847,602		St. Johns	Townsend Road	0.07	Oakland Street to US 127 BR	Widen from 2 to 3 lanes with non-motorized improvements
NEW	2011	STP	1,000,000	1,102,500	882,000	Mason	Franklin Farms Drive	0.20	LaVonne Drive to Kipp Road	Construct 2 lane extension from end of LaVonne
22	2012	Local	610,000	706,136		Lansing	Capitol Avenue	1.25	Main to Oakland	Switch from one way to two way (intersection improvements, signal upgrades, signing & striping)
28	2012	Local	45,000	52,092		Lansing	Grand Avenue	0.15	St. Joe to Lenawee	Switch from one way to two way (intersection improvements, signal upgrades, signing & striping)
29	2012	Local	230,000	266,248		Lansing	Grand Avenue	1.05	Lenawee to Oakland	Switch from one way to two way (intersection improvements, signal upgrades, signing & striping)
47	2012	Local	5,000	5,788		Lansing	Townsend Street	0.25	Elm to Main	Reduce from 4 to 3 lanes (grinding, striping, signage)
59	2012	STP	550,000	636,680	509,344	ICRC	Cedar Street	0.64	Holt to Aurelius	Reduce from 4 to 3 lanes; includes bike lanes
NEW	2012	STP	2,500,000	2,894,000	2,315,200	Lansing	Washington	0.89	Mt. Hope to Main	Reduce from 5 to 3 lanes, including bike lanes
New	2012	Local (potential earmark)	5,445,000	6,303,132		Charlotte	Reynolds Road; Kalamo Hwy	1.30	Reynolds from current end extended 0.50 mile south to Kalamo; Kalamo from Reynolds to Cochran	Construct Reynolds extension; pave 0.80 mile of Kalamo Highway and upgrade Kalamo bridge

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65c	2013	CMAQ	1,000,000	1,215,600	951,525	ICRC	Lake Lansing Road		at Okemos	I-69 BL to Lac du Mont: widen from 2 to 3 lane; Lac Du Mont to Marsh: reduce from 4 to 3 lanes; add possible roundabout at Okemos-Lake Lansing intersection; bike lanes on both sides
70	2013	CMAQ	800,000	972,480	761,219	ICRC for Meridian Township DDA	Okemos Road		Hamilton Road intersection	Possible modern roundabout (2 to 3 lanes)
16a	2013	STP	1,200,000	1,458,720	1,166,976	ECRC	St. Joe Highway	1.00	Broadbent to Canal	Widen from 2 to 3 lanes
65b	2013	STP	650,000	790,140	632,112	ICRC	Lake Lansing Road		Sleepy Hollow Drive to Marsh	I-69 BL to Lac du Mont: widen from 2 to 3 lane; Lac Du Mont to Marsh: reduce from 4 to 3 lanes; possible roundabout at Okemos-Lake Lansing intersection; bike lanes on both sides
New	2013	Small Urban	468,750	569,813	455,850	Eaton Rapids	State Street	0.36	.09 mile west of Miller .36 mile east to city limit	Reconstruct and add center left turn lane from Miller east .27 mile
New	2013	STP	1,055,000	1,282,458	1,025,966	East Lansing	Harrison Avenue	1.04	Saginaw to Lake Lansing Road	Reconstruct and reduce from 4 to 3 lanes
65a	2014	STP	1,350,000	1,723,005	1,378,404	ICRC	Lake Lansing Road		I-69 BL (Saginaw) to Sleepy Hollow Drive	I-69 BL to Lac du Mont: widen from 2 to 3 lane; Lac Du Mont to Marsh: reduce from 4 to 3 lanes; add roundabout at Okemos-Lake Lansing intersection; bike lanes on both sides
67	2014	STP	500,000	638,150	510,520	ICRC	Michigan Avenue	1.00	Waverly to Lansing city limit	Reduce from 4 to 3 lanes; includes bike lanes
	LOCAL		9,345,800	10,652,803	0		EST FED Revenue			
	STP		11,422,000	13,410,896	10,728,716	STP		19,043,646		56.34%
	CMAQ		1,800,000	2,188,080	1,712,744	CMAQ		1,712,744		100.00%
	Small Urban		468,750	569,813	455,850					
	TOTAL		23,036,550	26,821,591	12,897,310					

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60a	2015	CMAQ	800,000	1,061,840	849,472	ICRC	Forest/Farm Lane Corridor		College at Forest	Widen from 2 to 4 lanes with possible roundabout at Forest and College; add curve radius; bike lanes on both sides
56	2015	(potential local earmark)	10,000,000	13,273,000		MSU	Wilson Road	0.28	Wilson - Fee intersection to Hagadorn	Construct 4 lane boulevard connecting Wilson to Hagadorn
57	2015	Small Urban	750,000	995,475	796,380	Webberville	Webberville Road Extension	0.57	Grand River extending south .57 mile into existing business park.	Construct new 2 lane road
16b	2015	STP	1,200,000	1,592,760	1,274,208	ECRC	St. Joe Highway	1.00	Broadbent to Nixon	Widen from 2 to 3 lanes
60b	2015	STP	1,200,000	1,592,760	1,274,208	ICRC	Forest/Farm Lane Corridor	0.88	College to Farm Lane; Forest to Mt. Hope	Widen from 2 to 4 lanes with roundabout at Forest and College; add curve radius; bike lanes on both sides
34	2016	CMAQ	700,000	966,280	773,024	Lansing	MLK Blvd		at Willow	Construct roundabout; acquire right of way
1	2016	Local (potential earmark)	3,000,000	4,141,200		CCRC	State Road	1.30	DeWitt Road to US 127 BR	Widen from 2 to 4 lanes
42	2016	Local	195,000	269,178		Lansing	Pine Street	0.43	Shiawassee to Oakland	Switch from one way to two way (intersection improvements, signal upgrades, signing & striping)
43	2016	Local	390,000	538,356		Lansing	Pine Street	0.82	Main to Shiawassee	Switch from one way to two way (intersection improvements, signal upgrades, signing & striping)
49	2016	Local	230,000	317,492		Lansing	Walnut Street	0.82	Main to Shiawassee	Switch from one way to two way (intersection improvements, signal upgrades, signing & striping)
50	2016	Local	230,000	317,492		Lansing	Walnut Street	0.43	Shiawassee to Oakland	Switch from one way to two way (intersection improvements, signal upgrades, signing & striping)
52	2016	Local	50,000	69,020		Lansing	Willow Street	0.60	Sunset to MLK Blvd	Intersection improvements; acquire right of way
11a	2016	STP	1,200,000	1,656,480	1,325,184	ECRC	Mt. Hope Highway	1.00	Canal to Guinea	Widen from 2 to 3 lanes and add paved shoulders
72	2016	STP	500,000	690,200	552,160	ICRC	Willow Road	0.95	Waverly to Lansing city limit	Reduce from 4 to 3 lanes, includes bike lanes
11b	2017	STP	1,200,000	1,722,720	1,378,176	ECRC	Mt. Hope Highway	1.00	Guinea to Nixon	Widen from 2 to 3 lanes and add paved shoulders

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26	2018	Local	6,000	8,959		Lansing	East Grand River	0.60	Wood to Howard	Reduce from 4 to 3 lanes (striping & signage only)
27	2018	Local	7,000	10,452		Lansing	East Grand River Avenue	0.35	Railroad tracks east of Larch to Massachusetts	Reduce from 4 to 3 lanes (grinding, striping, signage)
32	2018	Local	300,000	447,930		Lansing	Kalamazoo Street	0.15	ML King Blvd to Sycamore	Add left turn lanes at intersection
33	2018	Local	25,000	37,328		Lansing	Michigan Avenue	0.60	Detroit Street to Friendship Circle	Boulevard reduced from 3 lanes to 2 lanes in each direction with the addition of bike lanes
36	2018	Local	22,000	32,848		Lansing	MLK Jr. Blvd.	1.10	North of Oakland to Grand River	Reduce from 4 to 3 lanes (grinding, striping, signage)
37	2018	Local	200,000	298,620		Lansing	Mt. Hope Avenue		at Cedar	Add left turn lanes
39	2018	Local	17,000	25,383		Lansing	Mt. Hope Avenue	0.85	Aurelius to east city limit	Reduce from 4 to 3 lanes (grinding, striping, signage)
44	2018	Local	23,000	34,341		Lansing	Pleasant Grove Road	1.15	MLK to Jolly	Reduce from 4 to 3 lanes (grinding, striping, signage)
45	2018	Local	15,500	23,143		Lansing	Saginaw Street	1.55	West of Stanley to Grand Avenue	Reduce from 4 to 3 lanes (striping & signage only)
46	2018	Local	16,000	23,890		Lansing	Saginaw Street	1.60	Larch to Merrill	Reduce from 4 to 3 lanes (striping & signage only)
24	2018	Local (potential earmark)	11,000,000	16,424,100		Lansing	Cedar/Pennsylvania/Edgewood Complex		Cedar at Pennsylvania/American; Pennsylvania at I-96 ramps; Cedar at Edgewood	Construct 3 roundabouts; reconstruct Cedar and Edgewood between roundabouts
7 Moved	2018	STP	3,400,000	5,076,540	4,061,232	ECRC	Creyts Road	2.00	Lansing Road to Dimondale village limit	Widen from 2 to 3 lanes
16c	2018	STP	1,200,000	1,791,720	1,433,376	ECRC	St. Joe Highway	1.00	Royston to Nixon	Widen from 2 to 3 lanes
		LOCAL	1,726,500	2,454,431	0		EST FED Revenue			
		LOCAL*	24,000,000	33,838,300	0					
		STP	9,900,000	14,123,180	11,298,544	STP	23,050,823			49.02%
		CMAQ	1,500,000	2,028,120	1,622,496	CMAQ	2,045,729			79.31%
		Sm URBAN	750,000	995,475	796,380	Sm Urban	1,500,000			53.09%
		TOTAL	37,876,500	53,439,506	13,717,420					

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12	2019	STP	800,000	1,242,240	993,792	ECRC	Nixon Road	0.60	Rockbridge to M-43	Widen from 2 to 3 lanes
18	2019	STP	4,800,000	7,453,440	5,962,752	ECRC	Willow Highway	4.00	M-100 to Canal	Widen from 2 to 3 lanes and add bike lanes and sidewalk
61	2019	STP	2,000,000	3,105,600	2,484,480	ICRC	Hagadorn Road	1.10	Bennett to Mt. Hope	Widen from 2 to 4 lanes with possible roundabout at intersection with Bennett; includes bike lanes
11c	2020	STP	2,400,000	3,875,760	3,100,608	ECRC	Mt. Hope Highway	2.00	Nixon to m-100	Widen from 2 to 3 lanes and add paved shoulders
58	2020	STP	1,500,000	2,422,350	1,937,880	ICRC	Aurelius Road	1.50	Harper (west leg) to Holt Road	Harper to Wilcox: widen from 2 to 3 lanes; Wilcox to Holt: reduce from 4 to 3 lanes; add possible roundabout at Holt-Aurelius intersection; bike lanes on both sides
53	2020	Local	2,000,000	3,229,800		MSU	Bogue Street	0.52	Service Road to Mount Hope	Construct new 3 lane road
NEW	2020	STP	1,500,000	2,422,350	1,937,880	Mason	West Columbia Street	0.25	Extension through Maple Grove Cemetary	Construct 2 lane road to connect with existing Columbia alignment
6a	2022	STP	800,000	1,397,360	1,117,888	ECRC	Canal Road	0.64	Willow to Delta Commerce	Widen from 2 to 3 lanes, add bike lanes and sidewalk
41	2025	CMAQ	125,000	245,600	196,480	Lansing	Pennsylvania Avenue		at Miller	Add north bound right turn lane; acquire right of way
23	2025	Local	300,000	589,440		Lansing	Cedar Street		at Willoughby	Reconfigure Willoughby
20	2025	STP	1,125,000	2,210,400	1,768,320	East Lansing	Lake Lansing Road	0.75	US 127 to Harrison	Widen from 4 to 5 lanes; add intersection turn lanes; possible roundabout Lake Lansing and Coolidge
16d	2025	STP	1,200,000	2,357,760	1,886,208	ECRC	St. Joe Highway	1.00	Royston to M-100	Widen from 2 to 3 lanes
51	2025	STP	3,000,000	5,894,400	4,715,520	Lansing	Waverly Road	1.80	Jolly to Moores River	Add center left turn; acquire right of way
	LOCAL		2,300,000	3,819,240	0		EST FED Revenue			
	STP		19,125,000	32,381,660	25,905,328	STP	52,616,773		49.23%	
	CMAQ		125,000	245,600	196,480	CMAQ	2,543,964		7.72%	
	TOTAL		21,550,000	36,446,500	26,101,808					

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21	2026	CMAQ	500,000	1,021,700		Lansing	Aurelius Road		at Miller	Construct roundabout
64	2026	STP	2,900,000	5,925,860	4,740,688	ICRC	Jolly Road	2.10	Collins to Hagadorn	Widen from 2 to 4 lanes; possible roundabout at College and Jolly intersection; bike lanes on both sides.
63	2028	STP	2,500,000	5,525,250	4,420,200	ICRC	Holt Road	1.25	Washington to Eifert	Widen from 2 to 4 lanes with center left turn lanes where necessary; possible roundabouts (not included in estimate)
8	2029	STP	750,000	1,723,875	1,379,100	ECRC	East-West Collector	0.60	Creys to Mall Drive West	Construct 3 lane roadway
55	2030	Local	2,000,000	4,780,800		MSU	North Shaw and South Shaw (two way pair)	0.25	Red Cedar to Farm Lane	Eliminate North Shaw; reduce south Shaw to emergency and bus access only
9	2030	STP	1,200,000	2,868,480	2,294,784	ECRC	East-West Collector	1.00	Canal to Creys	Construct 3 lane roadway
	Local		2,000,000	4,780,800	0		EST FED Revenue			
	STP		7,350,000	16,043,465	12,834,772	STP	49,935,812		25.70%	
	CMAQ		500,000	1,021,700	0	CMAQ	3,222,500		0.00%	
	TOTAL		9,850,000	21,845,965	12,834,772					
68	2031	STP	10,000,000	24,861,000	19,888,800	ICRC	Okemos Road	1.50	Central Park to Haslett	Raise grade and install turn pockets
17	2033	STP	2,000,000	5,377,800	4,302,240	ECRC	St. Joe Highway Bridge		at I-69/96	Widen bridge from 2 to 4 lanes
14	2034	STP	2,000,000	5,593,000	4,474,400	ECRC	Nixon Road and	0.50	Willow to North Highway	Construct new bridge and roadway
5	2035	Local (potential earmark)	3,000,000	8,724,900		Eaton Rapids	Eaton Rapids bridge and approaches	0.19	Extensions of Grandview and Barnes Roads to serve as approaches to new bridge; includes bike lanes	Construct 2 lane bridge and approaches, including bike lanes
2	2035	NHS/ STP (state) Bridge	385,375,000	1,120,786,113	896,628,890	MDOT	US 127	6.00	Kinley to Gratiot County Line (continuing to Ithaca, outside our region; cost is for Clinton County portion)	Expansion to limited access freeway
15	2035	STP	200,000	581,660	465,328	ECRC	Snow Road Bridge		at I-496	Widen bridge from 2 to 4 lanes and add non-motorized pathways
66	2035	STP	2,100,000	6,107,430	4,885,944	ICRC	Marsh Road	0.50	Central Park to Tihart	Widen from 4 to 5 lanes; add possible roundabouts at Central Park, Times Square and Tihart intersections with Marsh
	LOCAL*		3,000,000	8,724,900	0		EST FED Revenue			
	STP		16,300,000	42,520,890	34,016,712	STP	63,399,028		53.65%	
	NHS/ STP		385,375,000	1,120,786,113	896,628,890					
	TOTAL		404,675,000	1,172,031,903	930,645,602					
62			x1600000			ICRC	Holt Road	0.88	US 127 to Hagadorn	Widen from 2 to 4 lanes; add roundabouts at
35			x50000			Lansing	MLK Blvd	0.18	South of Saginaw (M-43 eb) to north of Oakland (M-43 wb)	Intersection improvements
48			x200000			Lansing	Turner Street		at North Avenue	Add southbound left turn lane; reconfigure intersection

* costs are packaged with new parking lot construction

Note: TCRPC's modeling consultant initiated modeling of these options, as part of the network alternatives process, on April 29. Minor clarifications or additions noted since that time are identified with legal