

Draft

# Appendix A

CAPITAL PLAN

NVISION50

The tables on the following pages reflect the four major categories of projects within the MTP. Though the passage of the Infrastructure Investment and Jobs Act modified requirements for fiscal constraint within long-range transportation plans, this capital plan maintains project listings within reasonably expected funding levels. These levels, provided by the CTDOT, provide for significant investments into the region's infrastructure.

For a detailed breakdown of funding sources, refer to Chapter 2 of this document. Within these tables, funding is simplified to either state or federal as the primary source of funding.

Appendix A-1 System Preservation

Appendix A-2 System Improvements

Appendix A-3 Major Projects of Statewide Importance

Appendix A-4 Transit Projects

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## IMPROVEMENTS

ROUTE	LOCATION	PROJECT	YEARS AND FUNDING			TOTAL	SOURCE	AQ
			1-5	6-10	11-27			
I-84	Southbury	Interchange 14 Improvements		\$ 5,400,000		\$ 5,400,000	Federal	X7
I-84, I-691	Cheshire	Ramp Improvements		\$ 40,500,000		\$ 40,500,000	Federal	X7
I-84, I-691	NVCOG	Truck Parking			\$ 136,372,500	\$ 136,372,500	Federal	NRS
Route 8	Beacon Falls	Minor widening	\$ 11,385,750			\$ 11,385,750	Federal	X6
Route 8	Naugatuck	Interchange 26 Improvements		\$ 17,109,063		\$ 17,109,063	Federal	X7
Route 8	Naugatuck	Interchange 27 Improvements		\$ 7,848,900		\$ 7,848,900	Federal	CC
Route 8	Naugatuck	Interchange 28 Improvements		\$ 14,565,096		\$ 14,565,096	Federal	X7
Route 8	Naugatuck	Interchange 28/29 Improvements		\$ 41,463,738		\$ 41,463,738	Federal	CC
Route 42	Beacon Falls	Lopus Rd and Pines Bridge Rd Intersection Improvements	\$ 2,009,250			\$ 2,009,250	Federal	X7
Route 61	Bethlehem	Sidewalk between Town Hall to Jackson Lane	\$ 401,850			\$ 401,850	Federal	X6
Route 61	Bethlehem	Intersection Improvements at Flanders Road & Green Hill Road	\$ 2,009,250			\$ 2,009,250	Federal	X7
Route 61	Bethlehem	Intersection Improvements around Town Green	\$ 470,000			\$ 470,000	Federal	X7
Route 132	Bethlehem	Intersection Improvements	\$ 8,037,000			\$ 8,037,000	Federal	X7
Route 229	Bristol	Trail/Sidewalk		\$ 16,200,000		\$ 16,200,000	Federal	X6
Route 229	Bristol	Spot Improvements		\$ 4,904,415		\$ 4,904,415	Federal	X7
Route 70	Cheshire	Intersection Improvements at Maple Street		\$ 230,850		\$ 230,850	Federal	X7
Route 10	Cheshire	Intersection Improvements at Cook Hill Rd, South Brooksvale Rd and Harrison Rd	\$ 5,023,125			\$ 5,023,125	Federal	X7
Route 64	Middlebury	Pedestrian enhancements between Interchange 17 to Chase Road	\$ 1,175,000			\$ 1,175,000	Federal	X6
Route 63	Middlebury	Extend Greenway between Woodside Avenue to Country Club Road	\$ 7,367,250			\$ 7,367,250	Federal	X6
Route 63	Naugatuck	Route 8 and Route 68 Improvements		\$ 8,464,500		\$ 8,464,500	Federal	X7

## IMPROVEMENTS CONT.

ROUTE	LOCATION	PROJECT	YEARS AND FUNDING			TOTAL	SOURCE	AQ
			1-5	6-10	11-27			
Route 63	Naugatuck	Roundabout Construction at Church Street and Millville Avenue			\$ 5,814,000	\$ 5,814,000	Federal	X7
Route 67	Oxford	Sidepath from Seymour Town Line to Bridle Trail	\$ 19,387,500			\$ 19,387,500	State, Federal	X6
Route 42	Oxford	Geometric Improvements at Old Litchfield Turnpike	\$ 2,679,000			\$ 2,679,000	Federal	X7
Route 67	Oxford	Intersection Improvements between Chestnut Tree Hill Road and Hawley Road		\$ 9,234,000		\$ 9,234,000	Federal	X7
Route 6	Plymouth	Sidewalk Improvements		\$ 1,539,000		\$ 1,539,000	State	X6
Route 6	Plymouth	Intersection Improvements at North Main Street	\$ 5,052,500			\$ 5,052,500	Federal	X7
Route 6	Plymouth	Intersection Improvements at Harwinton Avenue			\$ 2,607,750	\$ 2,607,750	Federal	X7
Route 68	Prospect	Sidewalk and Intersection Improvements at Old Schoolhouse Rd and Straitsville Rd	\$ 940,000			\$ 940,000	Federal	X7
Route 69	Prospect	Intersection Improvements at Orchard Drive		\$ 1,154,250		\$ 1,154,250	Federal	X7
Route 68, Route 69	Prospect	Corridor Improvements near Scott Road, Morris Road		\$ 1,154,250		\$ 1,154,250	Federal	X7
Route 68	Prospect	Sight Line Improvements at Talmadge Road and Matthew Street	\$ 1,004,625			\$ 1,004,625	Federal	X7
Route 67, Route 6	Southbury	Construction of Roundabout			\$ 12,200,000	\$ 12,200,000	Federal	X7
Route 807	Thomaston	Pedestrian Enhancements within downtown		\$ 577,125,000		\$ 577,125,000	Federal	X6
Route 109	Thomaston	Intersection Improvements at Watertown Road		\$ 2,308,500		\$ 2,308,500	Federal	X7
Route 6	Thomaston	Safety Improvements at Route 8, Prospect Street, and Pleasant Street		\$ 1,923,750		\$ 1,923,750	Federal	X6
Route 69	Waterbury	Intersection Improvements at East Main Street		\$ 4,617,000		\$ 4,617,000	Federal	X7
Route 69	Waterbury	Roadway Improvements at Lakewood Avenue	\$ 8,706,750			\$ 8,706,750	Federal	NM
Route 844	Waterbury	Intesection Improvements at Route 69, Frost Road, and Alexander Avenue			\$ 11,300,250	\$ 11,300,250	Federal	X7
Route 801	Waterbury	Spot Improvements	\$ 8,001,750			\$ 8,001,750	Federal	X6
Route 69	Waterbury	Intersection Improvements at Edgewood Avenue		\$ 769,500		\$ 769,500	Federal	X7

## IMPROVEMENTS CONT.

ROUTE	LOCATION	PROJECT	YEARS AND FUNDING			TOTAL	SOURCE	AQ
			1-5	6-10	11-27			
Route 63	Watertown	Main Street Pedestrian Improvements within Downtown	\$ 2,009,250			\$ 2,009,250	State	X6
Route 73	Watertown	Streetscape Improvements from Waterbury Townline to Route 63	\$ 401,850			\$ 401,850	Federal	X6
Route 73	Watertown	Signal Improvements at Buckingham Street, Hillside Avenue, Riverside Street, Davies Street	\$ 1,339,500			\$ 1,339,500	Federal	X7
Route 63	Watertown	Intersection Improvements from Middlebury Townline to Bunker Hill Road		\$ 2,308,500		\$ 2,308,500	Federal	X7
Route 844	Wolcott	Intersection Improvements	\$ 870,675			\$ 870,675	Federal	X6
Route 6	Woodbury	Pedestrian Enhancements from Southbury Townline to Flanders Road		\$ 2,700,000		\$ 2,700,000	Federal	X6
Route 6	Woodbury	Intersection Improvements at Route 317		\$ 2,308,500		\$ 2,308,500	Federal	X7
Route 6	Woodbury	Intersection Improvements at Old Sherman Hill Road	\$ 1,339,500			\$ 1,339,500	Federal	X7
Naugatuck River Greenway	Beacon Falls	Trail Extension between Route 42 and Riverbend Park	\$ 4,420,350			\$ 4,420,350	Federal	X6
Naugatuck River Greenway	Beacon Falls	Trail Extension along North Main Street between Depot Street and Church Street	\$ 2,330,025			\$ 2,330,025	Federal	X6
Naugatuck River Greenway	Beacon Falls	Trail Extension Church Street and Naugatuck Town Line		\$ 4,223,016		\$ 4,223,016	Federal	X6
Trail	Bristol	Construct New Trail			\$ 8,500,000	\$ 8,500,000	Federal	X6
Trail	Bristol	Trail Routing Study	\$ 587,500			\$ 587,500	Federal	X6
Memorial Boulevard	Bristol	Install Bicycle Facilities	\$ 267,900			\$ 267,900	Federal	X6
Various	Bristol	Roundabout Study	\$ 243,960			\$ 243,960	Federal	X7
Center Street	Bristol	Grade Crossing Evaluation	\$ 17,625,000			\$ 17,625,000	Federal	X7
Farmington Canal Heritage Trail	Cheshire	Improve Trail Crossing Jarvis Street	\$ 401,850			\$ 401,850	Federal	X6
Jarvis Street	Cheshire	Sidewalk Installation	\$ 724,000			\$ 724,000	State, Federal	X6
Peck Lane	Cheshire	Traffic Calming		\$ 230,850		\$ 230,850	State, Federal	X6
Jarvis Street	Cheshire	Intersection Realignment at Lancaster Way and Guinevere Ridge	\$ 803,700			\$ 803,700	State, Federal	X7

## IMPROVEMENTS CONT.

ROUTE	LOCATION	PROJECT	YEARS AND FUNDING			TOTAL	SOURCE	AQ
			1-5	6-10	11-27			
Tucker Hill Road	Middlebury	Geometry Improvements at Regan Hill Road			\$ 4,346,250	\$ 4,346,250	State, Federal	X7
Scott Street	Naugatuck	Roadway Improvements at between Route 63 and Elm Street		\$ 30,780,000		\$ 30,780,000	Federal	X7
Various	Naugatuck	ADA Improvements within Downtown	\$ 535,800			\$ 535,800	State	X6
Maple Street	Naugatuck	Cyclist Improvements	\$ 2,679,000			\$ 2,679,000	State	X6
Naugatuck River Greenway	Naugatuck	Trail Extension at Breen Fields near Maple Street to Beacon Falls Town Line	\$ 10,180,200			\$ 10,180,200	Federal	X6
Naugatuck River Greenway	Naugatuck	Trail Extension between Maple Street and Breen Fields	\$ 2,679,000			\$ 2,679,000	State	X6
Naugatuck River Greenway	Naugatuck	Trail Extension from Pulaski Walk to Waterbury Town Line		\$ 4,617,000		\$ 4,617,000	Federal	X6
Rubber Avenue	Naugatuck	Intersection Improvements at Hoadley Street and Melbourne Street	\$ 1,071,600			\$ 1,071,600	Federal	X7
Rubber Avenue	Naugatuck	Install Roundabout at intersection of Route 63 and Cherry Street	\$ 5,875,000			\$ 5,875,000	State	X7
Field Street	Naugatuck	Intersection Improvements at Field Street and Jones Road		\$ 1,539,000		\$ 1,539,000	Federal	X7
Mulberry Street	Naugatuck	Geometric Improvements			\$ 7,625,000	\$ 7,625,000	Federal	X7
Various	NVCOG	Regional Bike Program			\$ 30,267,000	\$ 30,267,000	Federal	X6
Various	NVCOG	Regional Pedestrian Safety Program			\$ 30,267,000	\$ 30,267,000	Federal	X6
Trail	Oxford	Trail Construction between Larkin Bridle Trail to Main Street	\$ 2,009,250			\$ 2,009,250	Federal	X6
Dutton Road	Oxford	Replacement of Bridge No. 04913		\$ 3,324,240		\$ 3,324,240	Federal	X6
Graystone Road	Plymouth	Geometry Improvements			\$ 15,646,500	\$ 15,646,500	Federal	X7
South Main Street	Plymouth	Safety Improvements between Main Street and East Washington Road			\$ 5,814,000	\$ 5,814,000	Federal	X7
Tory Crossing	Plymouth	Improve Geometry between East Plymouth Road and Matthews Street		\$ 3,078,000		\$ 3,078,000	State	X7
Old Field Road	Southbury	Sidewalk Construction from Main Street to Heritage Road	\$ 1,339,500			\$ 1,339,500	Federal	X6
High Street	Thomaston	Sidewalk Extension between Main Street and Clay Street	\$ 502,313			\$ 502,313	Federal	X6

## IMPROVEMENTS CONT.

ROUTE	LOCATION	PROJECT	YEARS AND FUNDING			TOTAL	SOURCE	AQ
			1-5	6-10	11-27			
Naugatuck River Greenway	Thomaston	Construct NRG between Old Waterbury to Branch Brook	\$ 669,750			\$ 669,750	Federal	X6
Naugatuck River Greenway	Thomaston	Construct NRG between Old Waterbury to Vista Park		\$ 8,509,131		\$ 8,509,131	Federal	X6
North Main Street	Waterbury	Intersection with Cherry Street and Grove Street			\$ 18,300,000	\$ 18,300,000	Federal	X7
Riverside Street	Waterbury	Improve Intersection with Bank Street			\$ 38,125,000	\$ 38,125,000	Federal	X7
Huntingdon Avenue	Waterbury	Improve Intersection with Route 8		\$ 27,702,000		\$ 27,702,000	Federal	NM
Lakeside Boulevard East	Waterbury	Roadway Improvements		\$ 7,695,000		\$ 7,695,000	Federal	X6
South Main Street	Waterbury	Intersection Improvements at South Main Street and Washington Street	\$ 5,875,000			\$ 5,875,000	Federal	X7
Lakewood Road	Waterbury	Sidewalk Construction between North Main Street to Route 69	\$ 2,889,000			\$ 2,889,000	State	X6
Naugatuck River Greenway	Waterbury	Construct NRG between Washington Street and West Main Street		\$ 13,235,400		\$ 13,235,400	Federal	X6
Naugatuck River Greenway	Waterbury	Construct NRG between West Main Street and the Waterbury Industrial Commons			\$ 20,688,150	\$ 20,688,150	Federal	X6
Aurora Street	Waterbury	Geometry Improvements between Bunker Hill Road to Watertown Avenue			\$ 10,326,690	\$ 10,326,690	Federal	X6
Cooke Street	Waterbury	Intersection Improvements with Rosebud Street	\$ 669,750			\$ 669,750	Federal	X7
North Main Street	Waterbury	Traffic calming and pedestrian improvements between West Main Street and Hill Street	\$ 2,009,250			\$ 2,009,250	Federal	X7
Walnut Street	Waterbury	Safety Improvements	\$ 300,800			\$ 300,800	Federal	X7
Naugatuck River Greenway	Watertown	Construct NRG between Frost Bridge Road and Branch Brook	\$ 2,474,057			\$ 2,474,057	Federal	X6
Naugatuck River Greenway	Watertown	Construct NRG between Frost Bridge Road to Waterbury Town Line			\$ 2,607,750	\$ 2,607,750	Federal	X6
Steele Brook Trail	Watertown	Construct trail along Steele Brook to NRG			\$ 6,100,000	\$ 6,100,000	Federal	X6
Bunker Hill Road	Watertown	Pedestrian Safety Improvements between Route 63 and Route 73	\$ 669,750			\$ 669,750	State	X6
Middlebury Road	Watertown	Safety Improvements		\$ 2,308,500		\$ 2,308,500	Federal	X6
Lake Winnemauug Road	Watertown	Safety Improvements at intersection with Sperry Road		\$ 1,154,250		\$ 1,154,250	Federal	X7
<b>TOTAL PROGRAMMING</b>			<b>\$ 159,445,000</b>	<b>\$ 872,226,000</b>	<b>\$ 366,908,000</b>	<b>\$ 1,398,578,000</b>		

## MAJOR PROJECTS OF STATEWIDE IMPORTANCE

ROUTE	LOCATION	PROJECT	YEARS AND FUNDING			TOTAL	SOURCE	AQ
			1-5	6-10	11-27			
I-84	Waterbury	Pavement Rehab	\$ 70,000,000			\$ 70,000,000	Federal	X6
I-84, Route 8	Waterbury	NewMix			\$ 3,000,000,000	\$ 3,000,000,000	Federal	PD
Route 72	Bristol	Corridor Improvements near Memorial Blvd	\$ 10,000,000			\$ 10,000,000	Federal	X7
Route 34	Oxford	Relocation of Bridge Crossing Housatonic River from Stevenson Dam		\$ 70,250,000		\$ 70,250,000	Federal	NM
Route 6	Woodbury	Roundabout Construction at Route 61 and Quassipog Road	\$ 4,000,000			\$ 4,000,000	Federal	X7
<b>TOTAL PROGRAMMING</b>			<b>\$ 84,000,000</b>	<b>\$ 70,250,000</b>	<b>\$ 3,000,000,000</b>	<b>\$ 3,154,250,000</b>		

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## PRESERVATION

ROUTE	LOCATION	PROJECT	YEARS AND FUNDING			TOTAL	SOURCE	AQ
			1-5	6-10	11-27			
Route 8	NVCOG	Route 8 Incident Reporting	\$ 9,644,400			\$ 9,644,400	Federal	X6
Route 8	Thomaston	Bridge No. 01729 Rehabilitation	\$ 1,071,600			\$ 1,071,600	Federal	X6
Route 10	Cheshire	Signal Improvements	\$ 2,679,000			\$ 2,679,000	Federal	X8
Route 34	Oxford/Monroe	Bridge Replacement at Stevenson Dam	\$ 2,350,000			\$ 2,350,000	Federal	NM
Route 254	Thomaston	Improve and expand median island at Goodwin Court to Union Street	\$ 587,500			\$ 587,500	State	X6
Route 69	Wolcott	Bridge replacement of bridge No. 03240	\$ 4,018,500			\$ 4,018,500	Federal	X6
Beacon Valley Road	Beacon Falls	Reconstruct Bridge No. 05364	\$ 2,009,250			\$ 2,009,250	State	X6
Flanders Road	Bethlehem	Roadway Construction between Woodbury Townline and Thomas Road		\$ 5,400,000		\$ 5,400,000	Federal	X6
Maddox Road	Bethlehem	Bridge replacement of Bridge No. 05172	\$ 2,009,250			\$ 2,009,250	State	X6
Nonnewag Road	Bethlehem	Bridge replacement of Bridge No. 06121		\$ 4,155,300		\$ 4,155,300	Federal	X6
Lousiana Avenue	Bristol	Bridge Replacement of Bridge No. 04480	\$ 5,505,345			\$ 5,505,345	Federal	X6
Farmington Canal Heritage Trail	Cheshire	Facilitate connection to the Airline Trail			\$ 2,607,750	\$ 2,607,750	Federal	X6
Various	Cheshire	Traffic Signal Replacements and Upgrades		\$ 1,485,000		\$ 1,485,000	Federal	X7
Benson Road	Middlebury	Bridge Rehabilitation of Bridge No. 01160	\$ 7,367,250			\$ 7,367,250	Federal	X6
Various	NVCOG	Regional Bridge Program	\$ 33,592,000	\$ 52,531,200	\$ 49,552,000	\$ 135,675,200	Federal	X6
Various	NVCOG	Regional Pavement Program	\$ 33,592,000	\$ 52,531,200	\$ 49,552,000	\$ 135,675,200	Federal	X6
Various	NVCOG	Regional Reconstruction Program	\$ 29,393,000	\$ 45,964,800	\$ 43,358,000	\$ 118,715,800	Federal	X6
Various	NVCOG	Signal Replacements	\$ 5,734,574	\$ 8,967,732	\$ 8,459,146	\$ 23,161,453	Federal	X7
Various	NVCOG	Replace Salt Shed Roofs in Cornwall, Bethlehem, and Danbury	\$ 1,071,600			\$ 1,071,600	Federal	X6
Harwington Avenue	Plymouth	Reconstruction between Schrobach Road to Ambruster Road		\$ 4,155,300		\$ 4,155,300	State, Federal	X7

## PRESERVATION CONT.

ROUTE	LOCATION	PROJECT	YEARS AND FUNDING			TOTAL	SOURCE	AQ
			1-5	6-10	11-27			
Harwington Avenue	Plymouth	Reconstruction between Schroback Road to Route 6		\$ 4,155,300		\$ 4,155,300	Federal	X7
Scott Road	Prospect	Roadway Reconstruction between Maria Hotchkiss Road to Route 69		\$ 4,560,000		\$ 4,560,000	State	X7
Poverty Road	Southbury	Intersection with Old Field Road		\$ 675,000		\$ 675,000	State	X7
Buck Hill Road	Southbury	Rehabilitation of Bridge No. 01157	\$ 7,903,050			\$ 7,903,050	Federal	X6
Various	Southbury	Signal Coordination Study	\$ 334,875			\$ 334,875	Federal	X8
Main Street	Southbury	Signal Replacement between Route 6 and Route 172		\$ 5,400,000		\$ 5,400,000	State	X7
Carter Road	Thomaston	Rehabilitation of Bridge No. 14003	\$ 1,004,625			\$ 1,004,625	State	X6
Various	Waterbury	Upgrade 10 traffic signals within downtown	\$ 3,723,810			\$ 3,723,810	Federal	X7
Eagle Street	Waterbury	Bridge Reconstruction over Naugatuck River			\$ 13,908,000	\$ 13,908,000	State	X6
Gurnseytown Road	Watertown	Roadway reconstruction between Eastwood Hall Road and Crest View Road	\$ 1,762,500			\$ 1,762,500	State	X7
Hazel Plain Road	Woodbury	Bridge Replacement of Bridge No. 05849	\$ 3,616,650			\$ 3,616,650	Federal	X6
<b>TOTAL PROGRAMMING</b>			<b>\$ 158,971,000</b>	<b>\$ 189,981,000</b>	<b>\$ 167,437,000</b>	<b>\$ 516,389,000</b>		

## TRANSIT PROJECTS

ROUTE/SYSTEM	LOCATION	PROJECT	YEARS AND FUNDING			TOTAL	SOURCE	AQ
			1-5	6-10	11-28			
CTtransit Bristol/New Britian	Bristol	Additional CTtransit route	\$ 360,000			\$ 360,000	State	NM
CTtransit Bristol	Various	Realign Service	\$ 2,555,000	\$ 4,445,000	\$ 17,860,000	\$ 24,860,000	State	NM
CTtransit Waterbury	NETCO Facility	Facility Improvements	\$ 125,970			\$ 125,970	State	X6
CTtransit Waterbury	Various	Real time information signs	\$ 6,298,500			\$ 6,298,500	State	X6
CTtransit Waterbury	Various	Cttransit Waterbury operating capital	\$ 9,782,000	\$ 13,680,000	\$ 63,037,000	\$ 86,499,000	State	X6
CTtransit Waterbury	Various	Cttransit Waterbury operating subsidy	\$ 23,735,000	\$ 28,189,000	\$ 152,960,000	\$ 204,884,000	State	X6
Waterbury Branch Line	Naugatuck	Station relocation	\$ 25,000,000			\$ 25,000,000	State	PD
Waterbury Branch Line	Naugatuck	Inland Port		\$ 49,800,000		\$ 49,800,000	State	NRS
Waterbury Branch Line	Various	Expand service to provide 30 minute headways		\$ 15,248,000	\$ 82,735,000	\$ 97,983,000	State, Federal	NM
Waterbury Branch Line	Waterbury	Rennovate station to provide indoor area	\$ 12,597,000			\$ 12,597,000	State	X6
Waterbury Branch Line	Waterbury	Storage yard in Waterbury for WBL		\$ 78,061,500		\$ 78,061,500	State	NRS
CTtransit Waterbury	Waterbury	Additional route along Lakewood Road	\$ 578,000	\$ 809,000	\$ 3,720,000	\$ 5,107,000	State	CC
Central Connecticut Line	Waterbury	Rehabilitation of four CSX bridges north of the Waterbury Train Station	\$ 10,000,000			\$ 10,000,000	State	X6
CTtransit Waterbury	Waterbury	Infrastructure improvements for electric vehicles	\$ 9,255,000			\$ 9,255,000	State, Federal	X6
<b>TOTAL PROGRAMMING</b>			<b>\$ 100,287,000</b>	<b>\$ 190,233,000</b>	<b>\$ 320,312,000</b>	<b>\$ 610,831,000</b>		