Detroit Water and Sewerage Department

Wastewater Master Plan

DWSD Project No. CS-1314

Projects in the Planning Area

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Projects in the Planning Area

1. Overview

The development of a master plan for wastewater facilities requires not only a thorough understanding of the current collection system and its condition, but also a review of those efforts that are currently underway that will upgrade, rehabilitate, or expand the current system. This Tech Memo presents a compilation of Ongoing projects by the DWSD and others that are considered in the development of the DWSD Wastewater master planning effort.

The Department is continuing to upgrade, expand and rehabilitate the sewage collection system during the time that this master planning effort is being undertaken. The impacts each of the ongoing and planned projects have on the existing sewage infrastructure need to be assessed and considered part of the foundation from which plan recommendations are made.

Beyond those projects which are being undertaken by DWSD to study, design, and construct improvements to the system, three other categories of projects that are considered as the planning effort moves forward have been identified. They are:

1. Suburban System Projects that have been identified by customer communities to improve upgrade or modify the facilities tributary to the DWSD collection System;

2. Major Developments and Transportation Projects that have the potential of changing capacity requirements or affecting the location of either existing or planned facilities; and

3. Roadway Widening and Improvement Projects that can supplement population projection information to identify areas where service expansion may be required and which should be considered when planning for sewer construction along similar routes.

2. Approach

Various sources of information have been used to compile the lists of Ongoing Projects. DWSD contract records provided the most comprehensive listing of ongoing work being performed within the DWSD system. This list has been continually updated as the planning effort moves forward, and as other projects are undertaken by the Department. Suburban project information was gathered through contact with first tier customers, and through review of plans generated by suburban communities. Information on area transportation projects was primarily obtained from SEMCOG, which serves as the clearinghouse for transportation funding in Southeast Michigan. Their 2025 Regional Transportation Plan for Southeast Michigan Project List was reviewed and edited to identify transportation projects included in this chapter.

Finally, area-planning departments were contacted and media reports were reviewed to identify specific major development projects that are being planned or constructed within the planning area.

Once a project or group of projects was identified, certain general information was collected. The information for each project included the Agency that was leading the effort, the project's location, and its current status (planning, design, or construction). Additionally, each project was categorized as to how it would impact the collection system. The categories used are: Adds Flows, Rehabilitates existing facilities, Reconfigures the collection system, Expands the service area, or Enhances operation or improves service. Finally, an estimate of the time frame when the project would be complete was made.

3. DWSD Projects

Approximately 35 DWSD projects have been identified that need to be considered in formulating the Wastewater Master Plan. These range from the various CSO facilities being designed and constructed to operations and rate studies. Many of these have direct impact on the planning process, since they are reconfiguring the existing facilities. Others, such as CSO facilities, need to be considered in determining the quantities of flow that will be generated during rainfall events and during dewatering periods following each event. The projects are listed in Table 1. Figure 1 shows the location of each project.

4. Review of Other City of Detroit Planning Initiatives

Several City departments were interviewed, which may have a contributory impact on the development and forecasting for the DWSD master plan. A comprehensive evaluation of these interviews are included in Volume 1.

The following outlines the preliminary findings as of November 2001:

Department: Planning and Development
Contact: Mr. Michael Boettcher - Senior City Planner

Planning and Development (P&D) is currently operating under the existing 1992-2001 City Master Plan Polices document. The plan is a 15-20 year long term planning tool, which is currently being revised for a Fall 2001 review by City Council, City Planning Commission and other departments. P&D is the primary facilitator for land use and economic development for most City departments and agencies in relation to potential development activities.

Development opportunities for both departments and individuals are presented to the appropriate planning and development division for review and conformity to the land use and economic factors outlined in the Master Plan. It is the responsibility of individual city departments to develop and coordinate their potential development opportunities with P&D.

The Detroit Economic Growth Corporation works with P&D to facilitate the more complicated development projects in the City, which have been approved under the Master Plan Policies.

Department: Airport
Contact: Ms. Terry Hopkin - Airport Director

The Airport currently has a 5-year Airport Capital Improvement Plan, with accompanying Airport Layout Plan, which outlines projects for the development of the airport. Significant activities include land acquisition, a proposed runway, a proposed Aircraft Rescue and Fire Fighting Facility (AARF) and possible terminal expansion. The expansion of the airport could essentially perpetuate industrial development in the surrounding communities, which would be coordinated with the City Planning and Development department.

Department: Housing Commission
Contact: Ms. Terese Walton - General Manager - Modernization & Development

The Housing Commission is currently operating under a 5-year plan for 2000-2005. This plan is updated yearly to reflect adjustments form the previous year. The Commission's long-term plan is to relinquish responsibility of all single-family units to private ownership.

The department currently has 6 major developments in the short term (next 5 years). Additionally, the 7-10 year planning projects are discussed in Volume 1 .

- Parkside Development - Total 442 units; new water and sewer lines
- Herman Gardens - 146ac.; replace all existing infrastucture
- Conner Waverly - reduction of units; no revision to infrastructure
- Jeffries - under development; 897 units; DWSD involved
- Charles Terrace - 224 units; complete demolition and reconstruction; possible new infrastructure
- Lee Plaza - no longer under Housing jurisdiction; possible hotel site required

Department: Recreation
Contact: Mr. Tim Karl - Planner

The Recreation Department is in the process of updating their current 5-year plan (1997-2001). This plan identifies general buildings, parks, riverfront properties, and auxiliary facilities, which will result in new development and/or additional infrastructure requirements. These projects are revised and approved by other City departments and public response prior to inclusion in the plan.

Department: Public Works
Contact: Mr. William Talley - Head Engineer

The department completes yearly road inspections, which transform into street rehabilitation lists that are developed in November of each year. This list is distributed to DWSD for coordination with possible pipe or structure relocations.

Department: Detroit Building Authority

The department does not have a formal master plan process. All projects undertaken by the building authority are generated through the master planning efforts of the other city departments.

Department: Planning Commission

No formal Master plan.

Department: Detroit Public Schools - Mr. Craig Stark, Deputy Director, Planning and Programming (DPS Program Manger Team, LLC)

The program mangers are the overseeing body for the public school system's 1994 Capital Improvement Bond program (CIP) which is responsible for developing the master plans and implementing the needs outlined for the school system.

These needs range from rehabilitation, renovations and new construction. The present bond program is for the next seven years and will be revised in November for status updating purposes. The current new construction plan addresses:

Four (4) Elementary schools will open in 2002

- Heilmann Field -location
- Howe
- Taft
- Schulze

Three (3) middle schools in 2003:

- Heilmann Field location
- Osborn
- Emerson

Five (5) High Schools in 2004:

- Central High School
- Renaissance High School
- Southeastern/Automotive Technology
- Cass Technical
- Fine & Performing Arts & Communications Arts

The program managers conduct their master planning efforts on demographic information, which is generated by the City's Planning Commissions CRS programs, to determine numbers and types of schools required in a community and in conjunction with planning and development or parks and recreation land use master planning for site locations. Presently, no preliminary planning coordination exists between DWSD and DPS.

Department: Environmental Affairs

No formal Master Plan

5. Suburban System Projects

Only major projects that would affect DWSD system capacities or operations were considered. Local community renewal and replacement projects, and sewer extension projects whose flows could be established through population increases were not specifically identified. The table focuses on significant CSO facility construction projects that will potentially increase system flows during and following rain events, and SSO projects that will likely reduce flows if excess infiltration and inflow are eliminated. Table 2 lists the major Suburban Projects identified to be considered in formulating the Wastewater Master Plan. Figure 1 shows the locations of each project.

6. Major Developments and Transportation Projects

Sewage collection systems are affected by developmental activities which generate flows and may require reconfiguring existing or future infrastructure. Commercial / industrial projects of sufficient size to affect sanitary flow are not easily identifiable for long range planning purposes, and need to be accounted for through flow projections derived from population and employment estimates. We have identified a total of 17 Major Developments and Transportation Projects that are considered in formulating the Wastewater Master Plan. Table 3 lists the Major Developments and Transportation Projects Figure 2 shows the locations of each project.

7. Roadway Widening and Improvement Projects

Throughout the planning period, improvements to the urban infrastructure continued to be made. Historically utility planners and designers have done only a fair job of coordinating surface and sub-surface infrastructure improvements. The SEMCOG 25 year Transportation Plan identifies numerous Roadway Widening and Improvement projects that are planned within the wastewater planning area. Table 4 presents an abridged version of their listing showing those projects where roadways are planned to be widened or reconstructed. Figure 3 shows the locations of each project.

8. Use of Project Lists

These projects and their anticipated timing are considered as specific recommendations for wastewater facility upgrades or extensions are proposed within the Wastewater Master Plan. The list should also serve as a basis for local communities who build upon the DWSD Master Plan to develop plans to address their internal wastewater infrastructure.

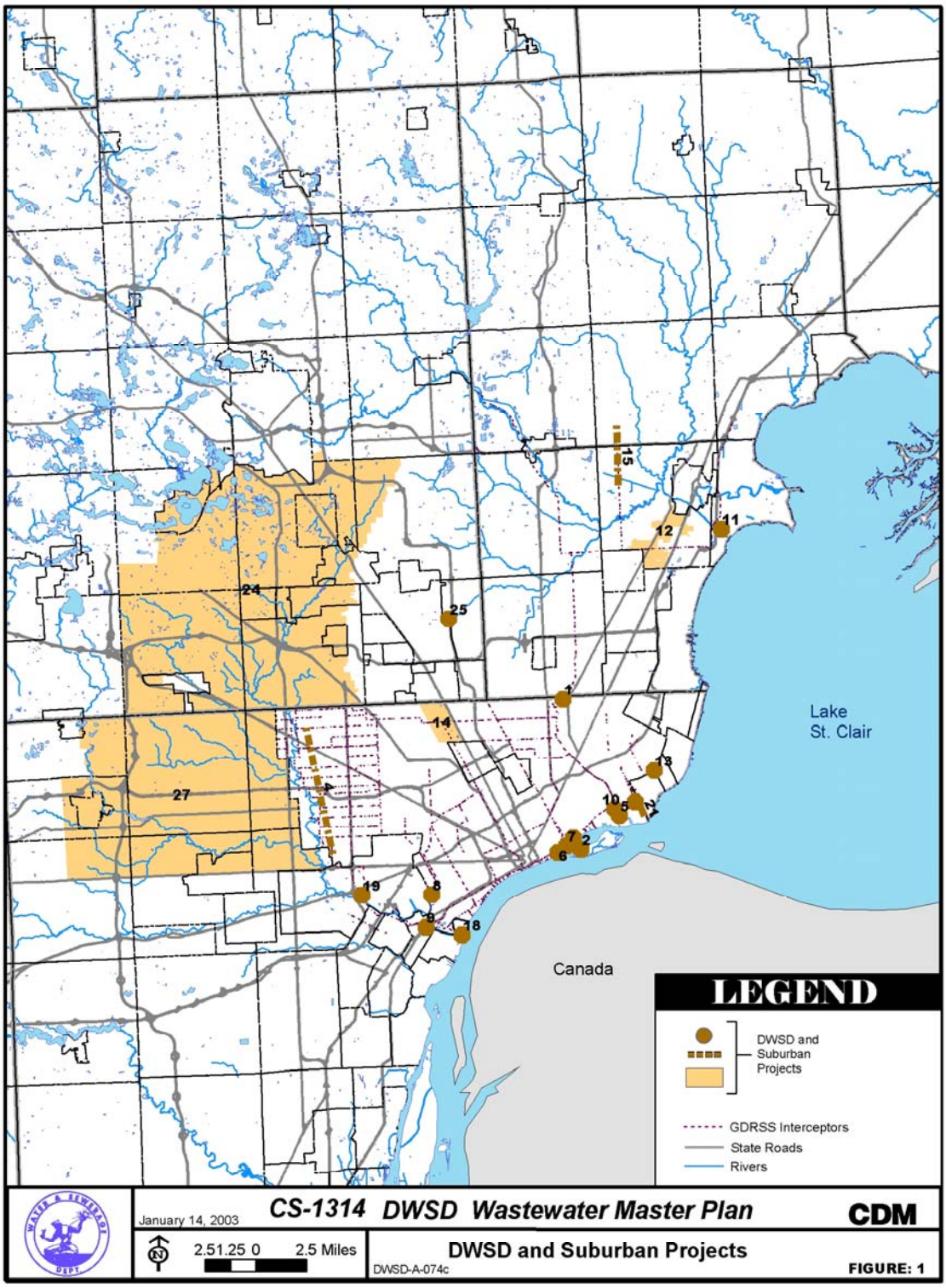

Figure 1. DWSD and Suburban Projects

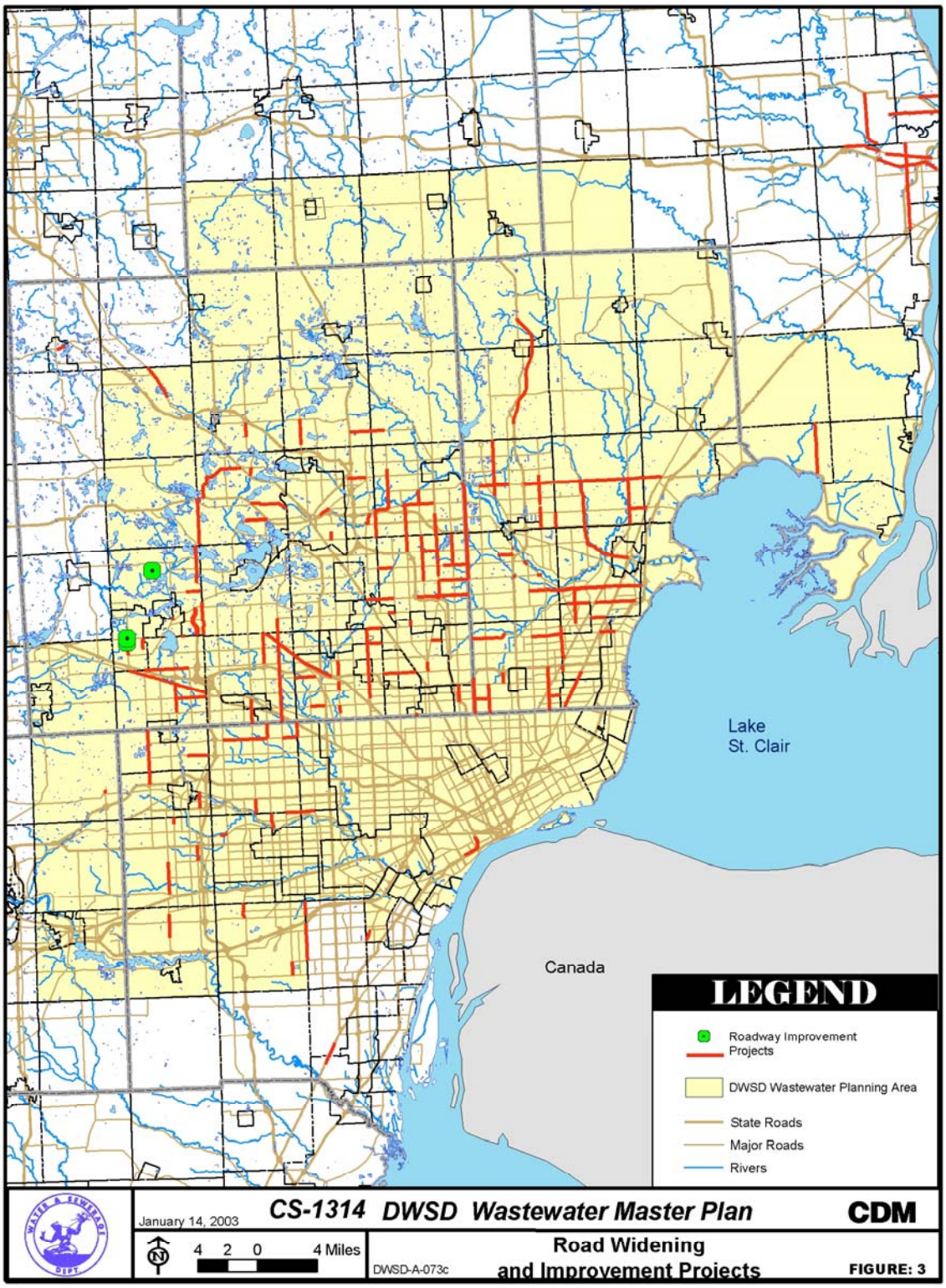

Figure 2. Road Widening and Improvement Projects

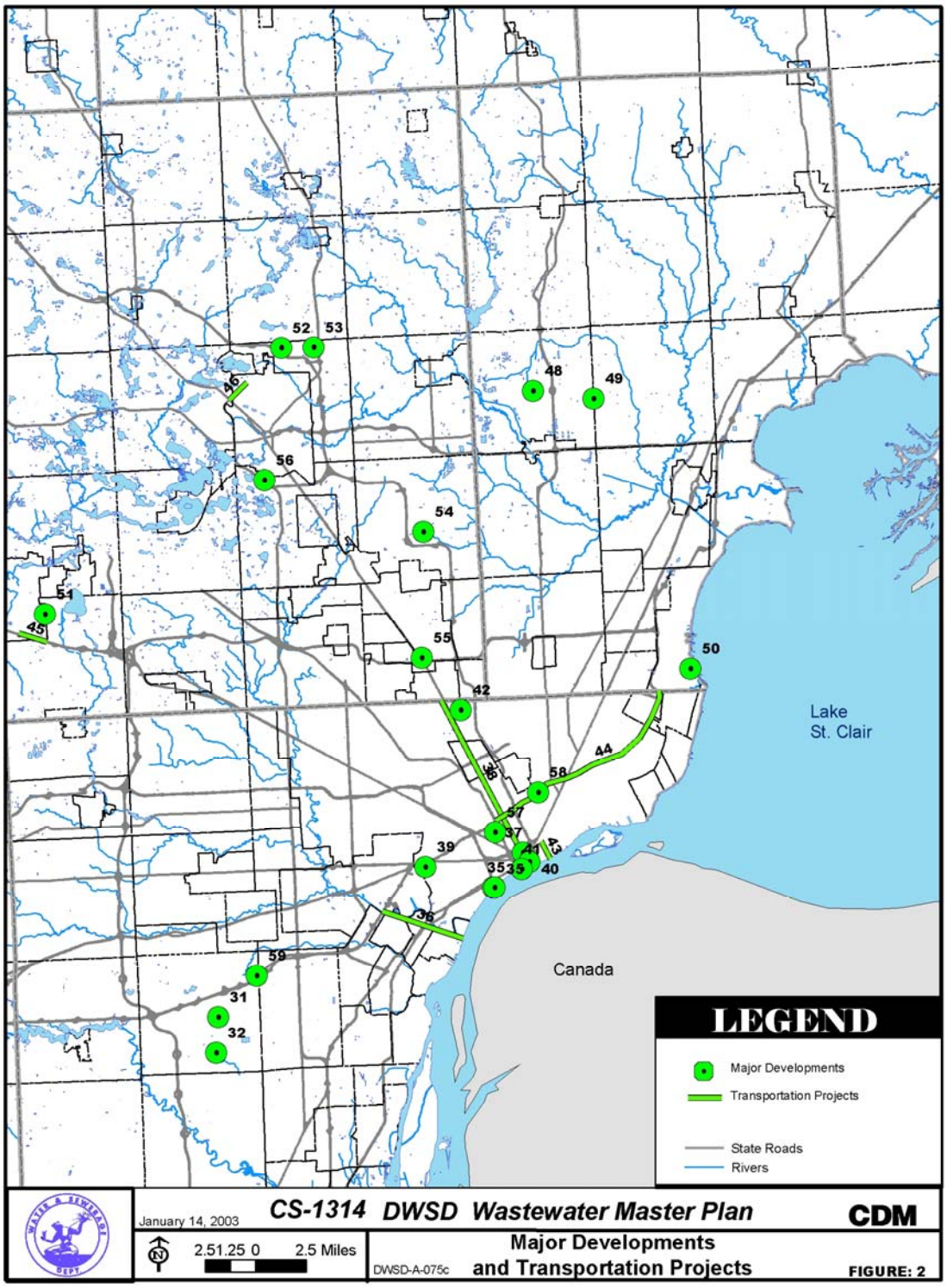

Figure 3. Major Development and Transportation Projects

Table 1. Ongoing DWSD Projects within Planning Area Communities with Potential on the Wastewater Master Plan

Project Name	Lead Agency	Location	Map ID	Category	Current Stage
Water and Sewage Rates Study	DWSD	DWSD Service Area	n/a	Improve Service	Study
Management Information System-Wastewater Operations Group	DWSD	DWSD Service Area	n/a	Improve Service	Study
Comprehensive Water Master Plan	DWSD	DWSD Service Area, Wide Metro Detroit	n/a	Add Flow	Study
Northeast Sewage Pump Station Improvements	DWSD	Macomb County Sewage Districts	1	Improve Service	pre-Const
Belle Isle Pump Station Improvements	DWSD	Detroit: Belle Isle	2	Improve Service	Construction
Long-Term CSO (Partial) Control Plan Phase II	DWSD	DWSD Service Area Wide	n/a	Add Flow	Planning
Suburban Capacity Requests	DWSD	Clinton Township	n/a	Expand Area	Planning
Upper Rouge CSO Control Facility	DWSD	Detroit	4	Add Flow	Study
Connor Creek CSO Facility	DWSD	Detroit: Connor Creek at the Detroit River	5	Add Flow	Design
St. Aubin CSO Pilot Facility	DWSD	Detroit: St. Aubin at the Detroit River	6	Add Flow	Construction
Leib CSO Pilot Facility	DWSD	Detroit: Leib at the Detroit River	7	Add Flow	Construction
Baby Creek CSO Facility	DWSD	Detroit: Baby Creek sewer to outfall at Rouge River.	8	Add Flow	Design
Oakwood Pump Station Modifications	DWSD	Detroit	9	Improve Service	Construction
In-System Storage Devices	DWSD	DWSD Service Area	n/a	Add Flow	Design
Conner Creek and Fox Creek Stations Rehabilitation	DWSD	S.E. Detroit	10	Improve Service	Construction
Regulators/Remote Flow Control Structures and Dam Rehabilitation	DWSD	DWSD Service Area	n/a	Rehab Facilities	Construction
Department-Wide Instrumentation, Control, and Computer Systems Program II	DWSD	DWSD Service Area	n/a	Improve Service	Construction
Wastewater System Asset Audit Task of Program Management for DWWTP Rehabilitation and Upgrade	DWSD	Detroit	n/a	Rehab Facilities; Improve Service	Planning
Clintondale Pump Station Force Main Capacity (Clintondale Pump Station Improvements)	DWSD	Macomb County Sewage Districts	11	Add Flow	Design
Master Sewer Meters, Clinton Twp.	DWSD	Clinton Twp	12	Improve Service	Construction
Bluehill Pump Station Addition	DWSD	S.E. Detroit	13	Add Flow	Construction
Lateral Sewer Replacement-Palmer Woods	DWSD	North Central Detroit	14	Improve Service	Design
Romeo Arm Interceptor in Garfield Road	DWSD	Macomb County	15	Expand Area	Construction
Environmental Regulation Compliance	DWSD	Detroit	n/a	Improve Service	Study
Public Involvement with CSO Planning	DWSD	Detroit	n/a	Improve Service	Study
Inspect/Rehab Existing Outfalls	DWSD	Detroit (Detroit and Rouge Rivers)	16	Rehab Facilities	Construction
Helen Jefferson in-place rehabilitation	DWSD	Detroit	17	Rehab Facilities	

Project Name	Lead Agency	Location	Map ID	Category	Current Stage
Detroit River Outfall No.2 Oversight	DWSD	S.W. Detroit (WWTP)	18	Improve Service	Construction
Hubbell-Southfield CSO Basin	DWSD	W. Detroit	19	Add Flow	Monitoring
Suburban Sewage Meters	DWSD	Throughout System	n/a	Improve Service	Construction
Southfield Sewer Rehab	DWSD	Detroit	20	Rehab Facilities	Construction
Fox Creek Improvements	DWSD	S.W. Detroit	21	Rehab Facilities	Construction
PCI 42A	DWSD		22	Add Flow	

Table 2. Ongoing Suburban System Projects within Planning Area Communities with Potential Impact on the Wastewater Master Plan

Project Name	Lead Agency	Location	Map ID	Category	Current Stage
Evergreen Farmington SSO	OCDC	SE Oakland County	24	Reduce Flows	Planning / Design
Kuhn Drain [Twelve Towns] CSO Basin	OCDC	Twelve Towns Area	25	Add Flow	Design
North Gratiot Interceptor	MCDC	Macomb County	26	Add Flow	Planning
Middle Rouge SSO	Wayne County DPW	Wayne County	27	Reduce Flows	Planning
Phase II CSO Facilities	Wayne County DPW	Wayne County	n/a	Add Flow	Planning

Table 3. Ongoing Major Development and Transportation Projects within Planning Area Communities with Potential Impact on the Wastewater Master Plan

Project Name	Lead Agency	Location	Map ID	Category	Current Stage
Metro Airport Expansion	WC DOA	Romulus	31	Reconfigure	Construction
Pinnacle Aeropark	Wayne County	Romulus	32	Reconfigure	Planning/Design
Compuware HQ	Private	Campus Martius	33	Reconfigure; Add Flows	Construction
Campus Martius reconst	Detroit	Woodward & Michigan	34	Reconfigure	Construction
Ambassador Bridge Gateway	MDOT	I-75 at Ambassador Bridge	35	Reconfigure	Design
Ambassador Bridge Second Span	Private	Detroit River at the Ambassador Bridge	35	Reconfigure	Study
Rouge Gateway Project	Wayne County	Along Rouge River from Michigan Ave to Detroit River	36	Reconfigure	Planning; Design
People Mover Extension	DTC	Downtown Detroit	37		Study
Light Rail – Woodward	DTC	Downtown to 8 Mile	38	Reconfigure	Study
Detroit Intermodal Rail Terminal	MDOT	SW Detroit	39	Add Flows	Planning
Riverfront Casino Development	City of Detroit	Riverfront	40	Add Flows	Planning
Cruise Ship Dock	WC Port Authority	Detroit River	41	Add Flows	Planning
Ford Field	Lions/ Stadium Auth.	I-75 & Brush	42	Reconfigure	Construction
Fairgrounds Redevelopment	Private	Woodward & 8 Mile	43	Add Flows	Planning
I-375 Extension	MDOT	Woodward to	44	Reconfigure	Planning

Project Name	Lead Agency	Location	Map ID	Category	Current Stage
		Atwater			
I-94 Widening and Reconstruction	MDOT	M-10 to Eight Mil Road	45	Reconfigure	Planning
I-96 Interchange Reconstruction	MDOT	Beck to Wixom Rds	46	Reconfigure	Planning
Telegraph Rd Extension	Pontiac	Dixie to Walton	47	Reconfigure	Planning

Table 4. Ongoing Roadway Widening and Improvement Projects within Planning Area Communities with Potential Impact on the Wastewater Master Plan

Project Name	Proposed Improvements	Lead Agency	Location	Map ID	Time Frame
13 Mile Road	Widen to 5 Lanes	Warren	Macomb	55	2011 to 2015
13 Mile Road	Widen to 5 Lanes	Roseville, St Clair Shores	Macomb	56	2011 to 2015
13 Mile Road	Widen to 5 Lanes	Warren	Macomb	57	2001 to 2005
13 Mile Road	Widen to 5 Lanes	Warren	Macomb	58	2011 to 2015
15 Mile Road	Widen to 5 Lanes, ATMS	RCMC	Macomb	64	2016 to 2020
17 Mile Road	Widen to 5 Lanes	Sterling Heights	Macomb	67	2011 to 2015
19 Mile Road	Pave, Widen to 3 Lanes	Sterling Heights	Macomb	68	2011 to 2015
23 Mile Road	Widen to 5 Lanes	RCMC	Macomb	69	2016 to 2020
23 Mile Road	Widen to 5 Lanes	RCMC	Macomb	70	2001 to 2005
23 Mile Road	Widen to 5 Lanes	RCMC	Macomb	71	2001 to 2005
23 Mile Road	Widen from 2 to 5 Lanes	RCMC	Macomb	72	2011 to 2015
23 Mile Road	Widen to 5 Lanes	RCMC	Macomb	73	2001 to 2005
Cass	Widen to 5 Lanes	RCMC	Macomb	87	2016 to 2020
Cass	Widen from 2 to 5 Lanes	RCMC	Macomb	88	2011 to 2015
Dequindre Road	Widen to 5 Lanes	RCMC	Macomb	98	2011 to 2015
Dequindre Road	Widen to 5 Lanes	RCMC, RCOC	Mac /Oak	100	2001 to 2005
Dequindre Road	Widen from 2 to 5 Lanes	RCMC	Macomb	101	2011 to 2015
Frazho	Reconstruct from 2 to 3 Lanes	Roseville	Macomb	102	2006 to 2010
Garfield	Widen to 5 Lanes	RCMC	Macomb	103	2011 to 2015
Hayes	Construct 5 Lane Road	RCMC	Macomb	106	2006 to 2010
Martin	Reconstruct from 2 to 3 Lanes	Roseville	Macomb	118	2001 to 2005
Metropolitan Parkway	Widen from 4 to 6 Lane Blvd	RCMC	Macomb	120	2006 to 2010
Metropolitan Parkway	Widen from 4 to 6 Lane Blvd	RCMC	Macomb	122	2006 to 2010
Metropolitan Parkway	Widen from 4 to 6 Lane Blvd	RCMC	Macomb	123	2006 to 2010
Metropolitan Parkway	Widen to 6 Lane Boulevard	RCMC	Macomb	124	2016 to 2020

Project Name	Proposed Improvements	Lead Agency	Location	Map ID	Time Frame
Mound	Widen to 5 Lanes, ATMS	RCMC	Macomb	126	after 2020
North	Widen to 5 Lanes	RCMC	Macomb	127	after 2020
Romeo Plank	Widen to 5 Lanes	RCMC	Macomb	128	after 2020
Romeo Plank	Widen from 2 to 5 Lanes	RCMC	Macomb	129	after 2020
Romeo Plank/Cass	Widen to 5 Lanes	RCMC	Macomb	130	after 2020
Schoenherr	Widen from 2 to 5 Lanes	RCMC	Macomb	136	2001 to 2005
Schoenherr	Widen from 2 to 5 Lanes	RCMC	Macomb	137	2001 to 2005
10 Mile Road	Widen from 2 to 5 Lanes w/ Grade Separation	Novi	Oakland	185	2006 to 2010
12 Mile Road	Widen to 4 Lane Boulevard	Novi	Oakland	189	2006 to 2010
13 Mile Road	Widen from 4 to 5 Lanes, Phase I	Royal Oak	Oakland	193	2001 to 2005
13 Mile Road	Widen to 5 Lanes (CON)	Southfield	Oakland	195	2001 to 2005
14 Mile Road	Widen from 2 to 3 Lanes	RCOC	Oakland	197	2001 to 2005
Adams Road	Widen from 2 to 5 Lanes	RCOC	Oakland	200	2016 to 2020
Adams Road	Widen from 2 to 4 Lanes	RCOC	Oakland	201	2001 to 2005
Adams Road	Widen to 5 Lanes	RCOC	Oakland	202	after 2020
Big Beaver Road	Widen from 2 to 5 Lanes	RCOC	Oakland	209	after 2020
Crooks Road	Widen from 2 to 4 Lane Boulevard (CON)	RCOC	Oakland	223	2001 to 2005
Crooks Road	Widen from 2 to 4 Lane Boulevard (ROW)	RCOC	Oakland	224	2001 to 2005
Elizabeth Lake Road	Widen from 4 to 5 Lanes	RCOC	Oakland	232	2001 to 2005
Farmington Road	Widen from 4 to 5 Lanes	RCOC	Oakland	233	2001 to 2005
Hamlin Road	Widen to 4 Lane Boulevard	Rochester Hills	Oakland	245	2016 to 2020
John R Road	Widen from 4 to 5 Lanes, Phase II	Hazel Park	Oakland	247	2001 to 2005
Long Lake Road	Widen from 2 to 5 Lanes	RCOC	Oakland	252	2001 to 2005
Novi Road	Widen from 2 to 5 Lanes & Add RR Bridge	RCOC	Oakland	265	2001 to 2005

Project Name	Proposed Improvements	Lead Agency	Location	Map ID	Time Frame
Rochester Road	Widen from 5 to 6 Lane Boulevard	Troy	Oakland	283	2006 to 2010
Rochester Road	Widen from 5 Lanes to 6 Lane Boulevard	Troy	Oakland	284	2001 to 2005
Sashabaw Road	Widen from 2 to 5 Lanes	RCOC	Oakland	303	2016 to 2020
Telegraph Road Extension	Construct New 4 Lane Boulevard	Pontiac	Oakland	322	2001 to 2005
University Drive	Widen from 2 to 5 Lanes	Pontiac	Oakland	324	2001 to 2005
Walton Blvd	Widen from 2 to 5 Lanes (CON)	RCOC	Oakland	327	2006 to 2010
Williams Lake Road	Widen from 2 to 5 Lanes	RCOC	Oakland	333	2006 to 2010
Williams Lake Road	Widen to 5 Lanes	RCOC	Oakland	334	2016 to 2020
Williams Lake Road	Widen to 5 Lanes	RCOC	Oakland	335	2016 to 2020
Williams Lake Road	Widen to 5 Lanes	RCOC	Oakland	336	2016 to 2020
Williams Lake Road	Widen to 5 Lanes	RCOC	Oakland	337	2016 to 2020
S Wixom Road Bypass	Realign to New 3 Lane Road to Eliminate Dual Turn Movements	Wixom	Oakland	338	2001 to 2005
Wixom Road	Construct New 5 Lane Underpass Road to Eliminate 2 RR Crossings	Wixom	Oakland	339	2006 to 2010
Griswold Road	Widen to 3 Lanes and signals	St. Clair CRC	St. Clair	371	2011 to 2015
Keewahdin Road	Widen from 3 to 5 Lanes	St. Clair CRC	St. Clair	382	2011 to 2015
Krafft Road	Widen to 3 Lanes	St. Clair CRC	St. Clair	387	2006 to 2010
Krafft Road	Widen to 5 Lanes	St. Clair CRC	St. Clair	388	2001 to 2005
Lapeer Road	Widen to 3 Lanes	St. Clair CRC	St. Clair	391	2016 to 2020
Lapeer Road	Widen to 3 Lanes	St. Clair CRC	St. Clair	392	2006 to 2010
Palms Road	Widen to 3 Lanes	St. Clair CRC	St. Clair	416	2016 to 2020
Range Road	Widen from 3 to 5 Lanes	St. Clair CRC	St. Clair	417	2011 to 2015
Vincent Road	Widen to 3 Lanes	St. Clair CRC	St. Clair	421	2016 to 2020
Water Street	Reconstruct to Three Lanes, Curb and Gutter	St. Clair CRC	St. Clair	426	2001 to 2005
Allen	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	712	2011 to 2015
Beck	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	718	2001 to 2005
Beck	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	719	2006 to 2010

Project Name	Proposed Improvements	Lead Agency	Location	Map ID	Time Frame
Belleville	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	724	2016 to 2020
Canton Center Road	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	728	2001 to 2005
Canton Center Road	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	730	2006 to 2010
Farmington Road	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	758	after 2020
Haggerty Road	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	778	after 2020
Haggerty Road	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	780	after 2020
Haggerty Road	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	782	2001 to 2005
Inkster	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	796	2011 to 2015
Inkster	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	797	2011 to 2015
Inkster	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	799	2006 to 2010
Joy Road	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	808	after 2020
Merriman	Widen from 4 to 5 Lanes	Wayne DPS	Wayne	824	2011 to 2015
Merriman	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	826	2001 to 2005
Middlebelt	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	831	2006 to 2010
Seven Mile Road	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	873	2011 to 2015
Sheldon	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	876	2006 to 2010
Six Mile Road	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	889	2001 to 2005
Warren	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	930	2001 to 2005
M-5	Construct New Boulevard	MDOT	Oakland	996	2001 to 2005
M-10	Widen to 6 Lanes	MDOT	Oakland	1037	2001 to 2005
M-53	Upgrade Bypass to 4 Lane Divided Freeway	MDOT	Macomb	1053	2001 to 2005
M-53	2 New 1-Lane Connectors	MDOT	Macomb	1054	2001 to 2005
US-24 (Telegraph)	Widen to 5 Lanes by Adding Center Left Turn Lane	MDOT	Wayne	1093	2001 to 2005
Grand River Road	Widen to 5 Lanes	RCOC	Oakland	1097	2001 to 2005

Project Name	Proposed Improvements	Lead Agency	Location	Map ID	Time Frame
I-75/I-96 Mainline	Reconstruct around Ambassador Bridge (TEA-21 DEMO)	MDOT	Wayne	1104	2001 to 2005
Mound	Widen SB from 2 to 4 Lanes, NB Remains 3 Lanes	RCMC	Macomb	1106	2001 to 2005
Crooks Road	Widen from 2 to 4 Lane Boulevard (CON)	RCOC	Oakland	1108	2001 to 2005
Grand River Road	Widen to 5 Lanes	RCOC	Oakland	1111	2016 to 2020
Seven Mile Road	Widen from 4 to 5 Lanes	Wayne DPS	Wayne	1283	2001 to 2005
Beck	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	1292	2011 to 2015
Inkster	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	1293	2011 to 2015
Beck	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	1300	2016 to 2020
Seven Mile Road	Widen from 4 to 5 Lanes	Wayne DPS	Wayne	1301	2016 to 2020
Wayne	Widen from 2 to 5 Lanes	Wayne DPS	Wayne	1318	after 2020
13 Mile Road	Widen from 4 to 5 Lanes, Resurface	Warren	Macomb	1412	2001 to 2005
15 Mile Road	Widen to 5 Lanes	RCMC	Macomb	1413	2001 to 2005
15 Mile Road	Widen to 5 Lanes	RCMC	Macomb	1414	2001 to 2005
17 Mile Road	Widen to 5 Lanes	Sterling Heights	Macomb	1415	2001 to 2005
18 Mile Road	Construct 2 Lane Road	RCMC	Macomb	1416	2001 to 2005
21 Mile Road	Widen from 2 to 5 Lanes, RR Crossing	RCMC	Macomb	1418	2001 to 2005
Nine Mile Road	Widen from 4 to 5 Lanes, Resurface	Warren	Macomb	1426	2001 to 2005
Hayes	Widen from 2 to 5 Lanes	RCMC	Macomb	1431	2001 to 2005
Utica	Widen from 2 to 4 Lane Blvd	RCMC, Sterling Heights	Macomb	1444	2001 to 2005
14 Mile Road	Widen from 2 to 5 Lanes	RCMC	Macomb	1448	2006 to 2010
18.5 Mile Road	Widen from 2 to 5 Lanes and Realign	Sterling Heights	Macomb	1449	2006 to 2010
Hayes	Widen from 2 to 5 Lanes	Roseville	Macomb	1452	2006 to 2010
Ryan	Widen from 4 to 5 Lanes, Resurface	Warren	Macomb	1464	2006 to 2010
Ryan	Widen from 4 to 5 Lanes, Resurface	Warren	Macomb	1465	2006 to 2010

Project Name	Proposed Improvements	Lead Agency	Location	Map ID	Time Frame
Schoenherr	Widen from 4 to 5 Lanes, Resurface, RR Crossing	RCMC	Macomb	1467	2006 to 2010
Schoenherr	Widen from 4 to 5 Lanes, Resurface	RCMC	Macomb	1468	2006 to 2010
13 Mile Road	Widen from 4 to 5 Lanes, Resurface	Warren	Macomb	1479	2016 to 2020
Nine Mile Road	Widen from 4 to 5 Lanes, Resurface	Warren	Macomb	1480	2016 to 2020
Gotfredson Road	Construct New 2 Lane Road	WCRC	Washtenaw	1702	2001 to 2005
11 Mile Road	Reconstruct and Widen from 4 to 5 Lanes	Berkley	Oakland	2156	2011 to 2015
11 Mile Road	Widen from 4 to 5 Lanes	Berkley/Oak Park	Oakland	2159	after 2020
11 Mile Road	Widen from 2 to 4 Lanes	Southfield	Oakland	2161	2016 to 2020
12 Mile Road	Widen from 2 to 5 Lanes with Grade Separation at the CSX Railroad	RCOC	Oakland	2166	2006 to 2010
14 Mile Road	Widen from 2 to 5 Lanes	RCOC	Oakland	2168	2011 to 2015
Nine Mile Road	Widen from 2 to 3 Lanes	Southfield	Oakland	2174	2011 to 2015
Baldwin Road	Widen to 4 Lane Boulevard (CON)	RCOC	Oakland	2179	2006 to 2010
Beck Road	Widen from 2 to 5 Lanes	Wixom	Oakland	2182	after 2020
Benstein Road	Construct New 2 Lane Benstein Extension	RCOC	Oakland	2184	2016 to 2020
Benstein Road	Construct New 2 Lane Benstein Extension, New Alignment	RCOC	Oakland	2185	2016 to 2020
Benstein Road	Construct New 2 Lane Benstein Extension	RCOC	Oakland	2186	2016 to 2020
Big Beaver Road	Widen from 4 to 6 Lane Boulevard	RCOC	Oakland	2187	2001 to 2005
Big Beaver Road	Widen to 6 Lane Boulevard	Troy	Oakland	2188	2001 to 2005
Big Beaver Road	Widen from 4 to 6 Lane Boulevard (ROW)	RCOC	Oakland	2189	2001 to 2005

Project Name	Proposed Improvements	Lead Agency	Location	Map ID	Time Frame
Big Beaver Road	Widen from 4 to 6 Lane Boulevard (PE)	RCOC	Oakland	2190	2001 to 2005
Big Beaver Road	Widen from 4 to 5 Lanes	RCOC	Oakland	2191	2001 to 2005
Big Beaver Road	Widen from 4 to 6 Lane Boulevard (CON)	RCOC	Oakland	2192	2001 to 2005
Crooks Road	Widen from 4 to 5 Lanes	RCOC	Oakland	2211	2001 to 2005
Dequindre Road	Widen from 2 to 5 Lanes (PE)	RCOC	Oakland	2214	2001 to 2005
Dequindre Road	Widen from 2 to 5 Lanes (CON)	RCOC/RCMC	Oakland	2216	2006 to 2010
Dequindre Road	Widen from 2 to 5 Lanes (CON)	RCOC/RCMC	Oakland	2217	after 2020
Dixie Highway	Widen from 4 to 5 Lanes	RCOC	Oakland	2218	after 2020
Duck Lake Road	Construct New 2 Lane Duck Lake Extension	RCOC	Oakland	2221	after 2020
Dutton Road	Construct New 2 Lane Dutton Road Extension to Align with Brown Road	RCOC	Oakland	2223	after 2020
Franklin Road Relocated	Reconstruct and Relocate 4 Lanes from Old 2 Lanes, Realign	Southfield	Oakland	2235	2001 to 2005
Grand River Road	Widen 2 to 5 Lanes	RCOC	Oakland	2242	2016 to 2020
Haggerty Road	Widen to 5 Lanes	RCOC	Oakland	2248	2011 to 2015
Hamlin Road	Widen from 2 to 5 Lanes	Rochester Hills	Oakland	2249	2006 to 2010
John R Road	Widen to 5 Lanes (PE)	Troy	Oakland	2256	2001 to 2005
John R Road	Reconstruct to 5 Lanes (PE)	Troy	Oakland	2258	2001 to 2005
John R Road	Widen to 5 Lanes	Troy	Oakland	2260	2011 to 2015
John R Road	Reconstruct to 5 Lanes (CON)	Troy	Oakland	2261	2016 to 2020
Lahser Road	Widen from 2 to 5 Lanes	RCOC	Oakland	2264	2011 to 2015
Lahser Road	Widen from 2 to 5 Lanes	RCOC	Oakland	2267	2006 to 2010
Lahser Road	Widen from 4 to 5 Lanes	RCOC	Oakland	2268	after 2020
Landrow Road	Construct New 2 Lane Road	Wixom	Oakland	2269	2011 to 2015

Project Name	Proposed Improvements	Lead Agency	Location	Map ID	Time Frame
Livernois Road	Widen 2 to 5 Lanes (PE)	RCOC	Oakland	2271	2001 to 2005
Livernois Road	Widen to 4 Lane Boulevard	Rochester Hills	Oakland	2272	2011 to 2015
Livernois Road	Widen from 2 to 5 Lanes	Troy	Oakland	2274	2011 to 2015
Long Lake Road	Widen to 5 Lanes	Troy	Oakland	2277	2001 to 2005
Long Lake Road	Widen from 2 to 5 Lanes	RCOC	Oakland	2278	after 2020
Main Street	Widen from 2 to 3 Lanes	Royal Oak	Oakland	2279	2001 to 2005
Maple Road	Widen from 4 to 5 Lanes	Troy	Oakland	2282	2001 to 2005
Middlebelt Road	Widen from 2 to 5 Lanes	RCOC	Oakland	2289	after 2020
Middlebelt Road	Widen 2 to 5 Lanes	RCOC	Oakland	2292	after 2020
MLK Blvd.	Widen from 3 to 5 Lanes (PE)	Pontiac	Oakland	2295	2001 to 2005
Novi Road	Widen from 2 to 5 Lanes	RCOC	Oakland	2303	after 2020
Oakley Park	Widen from 2 to 3 Lanes	RCOC	Oakland	2304	after 2020
Orchard Lake Road	Widen from 2 to 6 Lane Boulevard	RCOC	Oakland	2309	2011 to 2015
Pontiac Lake Road	Widen from 2 to 5 Lanes	RCOC	Oakland	2319	2011 to 2015
Rochester Road	Reconstruct to 6 Lane Blvd. (PE)	Troy	Oakland	2322	2001 to 2005
Rochester Road	Reconstruct to 6 Lane Blvd. (CON)	Troy	Oakland	2323	2011 to 2015
S Commerce Road	Widen from 2 to 5 Lanes	RCOC	Oakland	2329	2006 to 2010
Sashabaw Road	Widen from 2 to 5 Lanes	RCOC	Oakland	2336	2001 to 2005
Silverbell Road	Widen from 2 to 5 Lanes	RCOC	Oakland	2347	2011 to 2015
Southfield Road	Widen to 4 Lane Boulevard	RCOC	Oakland	2353	2006 to 2010
Southfield Road	Widen to 6 Lane Boulevard	RCOC	Oakland	2354	2006 to 2010
Southfield Road	Widen to 4 Lane Boulevard (PE)	RCOC	Oakland	2355	2001 to 2005
Square Lake Road	Widen to 5 Lanes	Troy	Oakland	2358	2006 to 2010
Squirrel Road	Widen from 2 to 5 Lanes	Auburn Hills	Oakland	2359	2011 to 2015
Union Lake Road	Widen from 2 to 5 Lanes	RCOC	Oakland	2365	after 2020

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Union Lake Road	Widen from 2 to 5 Lanes	RCOC	Oakland	2367	2016 to 2020
Wattles Road	Widen to 5 Lanes	Troy	Oakland	2372	2006 to 2010
Wattles Road	Widen to 5 Lanes	Troy	Oakland	2373	2006 to 2010
Wixom Road	Widen from 4 to 5 Lanes	Wixom	Oakland	2376	2006 to 2010
MLK Blvd.	Widen from 3 to 5 Lanes (CON)	Pontiac	Oakland	2388	2001 to 2005
Walton Blvd	Widen from 2 to 5 Lanes (PE & ROW)	RCOC	Oakland	2392	2001 to 2005
Baldwin Road	Widen to 4 Lane Boulevard (PE)	RCOC	Oakland	2393	2001 to 2005
Williams Lake Road	Widen to 5 Lanes	RCOC	Oakland	2400	2016 to 2020
Grange Hall	Widen from 2 to 3 Lanes	Holly	Oakland	2567	2001 to 2005
Orchard Lake Road	Widen to 4 Lane Blvd.	RCOC	Oakland	268	2001 to 2005