



**WALKABLE NOVI COMMITTEE**  
**March 20, 2014 at 6:00 p.m.**  
**Novi Civic Center**  
**Mayors Conference Room**  
**45175 W. Ten Mile, Novi, MI 48375**  
**(248) 347-0475**

**Members:** Dave Baratta, Doug Bauss, Robert Giacobetti, Gwen Markham, Andrew Mutch, Charles Staab, Harry Torimoto and Ted Zuchlewski  
**Staff Support:** Barbara McBeth, Deputy Director Community Development  
Sara Roediger, Planner  
Jason Mangum, Director, Parks, Recreation and Cultural Services  
Brian Coburn, Engineering Manager

#### **ROLL CALL**

#### **APPROVAL OF AGENDA**

#### **AUDIENCE PARTICIPATION**

#### **MATTERS FOR DISCUSSION**

1. Engineering Update
2. Parks and Recreation Update
3. 2014 Capital Improvement Plan Update
4. 3 Year Non-Motorized Master Plan Implementation Update

#### **COMMUNICATIONS**

#### **STAFF REPORT**

1. Bike Month/Bike to Work Week Promotion
2. Conference Highlights: MAP Transportation Bonanza

#### **ADJOURN**

Future Meetings: May 15, July 17, September 18

**ITEM 1**

**ACTIVE NON MOTORIZED PROJECT PORTFOLIO FOR ENGINEERING DIVISION**

Project Description	FY13 14				FY14 15	
	July Sept Q1	Oct Dec Q2	Jan Mar Q3	Apr June Q4	July Sept Q1	Oct Dec Q2
<b>FY12 13 PROJECTS</b>						
Providence Pathway	DESIGN	DESIGN	DESIGN	ROW	CONSTRUCT	CONSTRUCT
ADA Compliance Plan for City sites	DESIGN	DESIGN	DESIGN	DESIGN		
<b>FY13 14 PROJECTS</b>						
Metro Connector (MDOT LAP)	DESIGN	DESIGN	BID	CONSTRUCT	CONSTRUCT	CONSTRUCT
Meadowbrook Pathway (Bridge St to Grand River)	DESIGN	DESIGN	ROW	CONSTRUCT	CONSTRUCT	CONSTRUCT
13 Mile at Holmes Sidewalk	DESIGN	DESIGN	ROW	CONSTRUCT	CONSTRUCT	CONSTRUCT
2014 ADA Compliance Program	DESIGN	DESIGN	DESIGN	CONSTRUCT	CONSTRUCT	CONSTRUCT
Haggerty Road at Nine Mile Improvements (Bid w/signals)			RE BID	CONSTRUCT	CONSTRUCT	CONSTRUCT
Segment NC1 East Lake to Hickory Woods	DESIGN	DESIGN	DESIGN	ROW	CONSTRUCT	CONSTRUCT
Greenway Development (ITC Corridor) Phase 1A (Design Only)	DESIGN	DESIGN	DESIGN	DESIGN		
Beck Road at Cheltenham mid block crossing		DESIGN	DESIGN	BID	CONSTRUCT	CONSTRUCT
Current schedule as of 3/12/2014						

**ITEM 3**

## 2014-2020

### CAPITAL IMPROVEMENT PROGRAM COMMITTEE

Mayor Pro-tem David Staudt, Novi City Council

Justin Fischer, Novi City Council

Laura Marie Casey, Novi City Council

Michael Lynch, Novi Planning Commission

Rob Giacometti, Novi Planning Commission

Victor Cardenas, Staff Liaison

**Planning Committee Version**

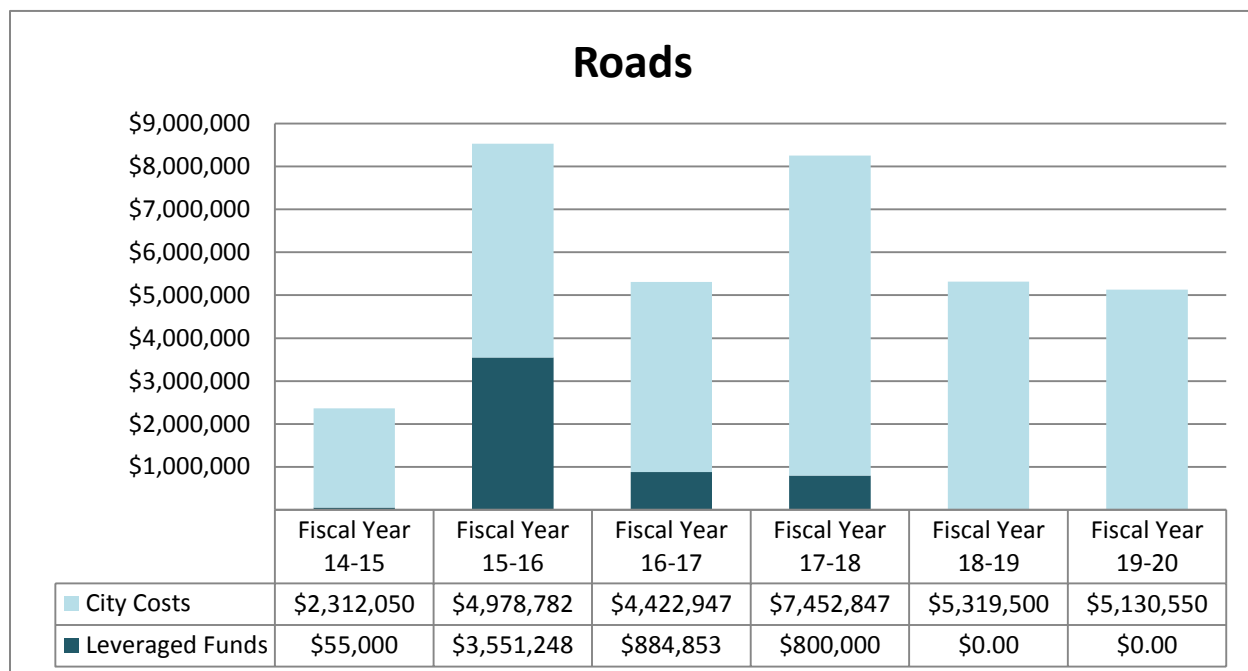
**NOTE:** The capital improvements that will be included in the proposed budget are restricted by the funds available. The Water & Sewer Fund is an Enterprise Fund, and therefore City Council does not formally adopt a budget for these projects.

## Roads

Transportation-related issues are a high priority for the City of Novi. The Capital Improvement Program addresses traffic congestion by constructing new roadways, adding lanes to existing roadways, widening intersections, and enhancing traffic management systems. The maintenance and preservation of roadways is an important component of the program, which provides the necessary resources for scheduled pavement maintenance applications throughout the City.

The City of Novi contains both public and private roadways. Public roads (I-96, I-275 and M-5) are owned and operated by the Michigan Department of Transportation (MDOT), the Road Commission of Oakland County (RCOC), and the City of Novi. Private roads are owned and operated by private developments and homeowner groups. The City currently maintains approximately 180 miles of major roads and Neighborhood Streets. In order to define priorities and establish a course of action for the local street and major road rehabilitation programs, the City has a formal asset management program that categorizes roads based on their Pavement Surface Evaluation and Rating (PASER). Roads in poor condition would be candidates for reconstruction or rehabilitation. Those in fair condition would receive capital preventive maintenance, while roads in good condition would be candidates for routine maintenance work. The lowest rated roads in each of these categories would generally be addressed first.

A dedicated road millage that was increased by voters in 2012 to provide 1.5 mills in total, generating an estimated additional \$ 2.1 million, annually, assists in financing the various road projects, mainly neighborhood road rehabilitation and reconstruction that are shown in the City's six year plan. Other funding sources, such as Federal grants, are leveraged for rehabilitation and reconstruction of the major roads that the City is responsible for; including: 9 mile, 11 mile, 13 mile, Meadowbrook, Beck, Novi (north of 12 mile), West Park and Taft Roads.



**West Road Repaving, West Park Drive to City limits**

**Project Number: 3**

**CIP Number: 112-03**

**Description:**

Rehabilitation/Repaving of 1300 feet of West Road between West Park Drive and city limits to increase the useful life of the road. Bike lanes will be added to the road as proposed in the non-motorized master plan to improve non-motorized connectivity.

**Justification:**

Currently rated a PASER 4 and requires rehabilitation.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	202-000.00-	\$28,800						\$28,800
Other/ROW								
Construction	202-000.00-	\$138,250						\$138,250
<b>TOTAL BUDGET</b>		<b>\$167,050</b>						<b>\$167,050</b>

**Beck Road (8 Mile to 9 Mile) Rehabilitation (PASER 3-4) Asphalt**

**Project Number: 4**

**CIP Number: 132-01**

**Description:**

Rehabilitation of Beck Road between 8 Mile Road and 9 Mile Road. The existing road surface is in poor condition in some locations and requires rehabilitation. An application for federal grant funding has been submitted. The eastern half of the southern half mile is under the jurisdiction of the City of Northville and will be asked to participate in the cost of the project. The project includes continuous bike lanes and other non-motorized improvements. This project has been awarded federal funding for construction in 2017.

**Justification:**

The road is rated a PASER 3 and 4 and requires rehabilitation to prevent future deterioration.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering			\$92,500	\$100,000				\$192,500
Other/ROW								
Construction				\$938,800				\$938,800
<b>TOTAL BUDGET</b>			<b>\$92,500</b>	<b>\$1,038,800</b>				<b>\$1,131,300</b>

**Crescent Blvd (New Roadway) Extension between Grand River Avenue and Novi Road - Phase II and III**

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**Project Number: 7**

**CIP Number: 082-03**

**Description:**

Construction of a 1,300 foot long, 4 lane boulevard connecting Novi Road and Grand River Avenue in the northwest quadrant of the intersection; and a 650 foot long industrial spur road. Project includes a bridge over the Rouge River, repaving of the existing portion of Crescent Blvd west of Novi Road (f/k/a Fonda Street) and a new signal at the intersection with Grand River. The final design was completed in FY10-11.

**Justification:**

As early as 1980, the City's Master Plan envisioned a "ring road" around the intersection to relieve traffic congestion and provide access to vacant land that does not have frontage on either Grand River Avenue or Novi Road. The Northeast quadrant of the ring road consisting of Crescent Boulevard and Town Center Drive, was completed in the 1990's. Completion of the Northwest Quadrant Ring Road will improve safety and reduce congestion at this busy intersection. An added benefit of the project is that it will provide a bypass for truck traffic, benefitting residents who use the Novi/Grand River intersection by diverting much of this heavy traffic.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00- Other/ROW		\$195,300					\$195,300
Construction	204-000.00-		\$3,222,280					\$3,222,280
<b>TOTAL BUDGET</b>			<b>\$3,417,580</b>					<b>\$3,417,580</b>

**Karim Blvd., Rehabilitation (PASER 4) Asphalt**

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**Project Number: 8**

**CIP Number: 082-18**

**Description:**

Reconstruction of Karim Blvd between 10 Mile Road and Grand River Avenue (1,771 feet). The pavement is in poor condition (PASER 2 in 2012) and the road lacks sufficient drainage, requiring reconstruction of the road. **The project will include the construction of all existing sidewalk gaps.**

**Justification:**

This road had a PASER rating of 2 in 2012 and is no longer serviceable using normal maintenance. Fifteen (15) businesses are located on Karim Blvd. The companies are willing to disclose the number of employees housed on Karim Blvd, reported at the minimum 15 staff members.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	202-000.00- Other/ROW		\$114,200					\$114,200
Construction	202-000.00-		\$548,300					\$548,300
<b>TOTAL BUDGET</b>			<b>\$662,500</b>					<b>\$662,500</b>



**Crescent Blvd., Novi Road to Town Center Drive Rehabilitation (PASER 4)**

**Project Number: 9**

**CIP Number: 082-10**

**Description:**

Rehabilitation and partial reconstruction of Crescent Blvd from Novi Road to Town Center Drive (1,800 feet) to provide a new smooth pavement surface in asphalt and to preserve the life of the road. The road is currently rated a PASER 2 between Novi Road and Ingersol Drive and PASER 4 between Ingersol and Town Center Drive.

**Justification:**

The road has a PASER rating of 2 to 4, which is among one of the worst rated concrete roads in the City.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	202-000.00-		\$153,500					\$153,500
Other/ROW								
Construction	202-000.00-		\$736,700					\$736,700
<b>TOTAL BUDGET</b>			<b>\$890,200</b>					<b>\$890,200</b>

**Meadowbrook Road Rehabilitation, I-96 to 12 Mile, (PASER 5)**

**Project Number: 10**

**CIP Number: 112-02**

**Description:**

Rehabilitation of approximately 0.7 miles of Meadowbrook Road between the I-96 bridge and 12 Mile Road. The project will rehabilitate the existing pavement and provide paved shoulders for non-motorized connectivity.

**Justification:**

The road has a PASER rating of 5 and requires capital preventative maintenance.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	202-000.00-			\$81,475				\$81,475
Other/ROW								
Construction	202-000.00-			\$325,900				\$325,900
<b>TOTAL BUDGET</b>				<b>\$407,375</b>				<b>\$407,375</b>

**Taft Road, 10 mile Road to Grand River Avenue (PASER 4) Asphalt**

**Project Number: 11**

**CIP Number: 121-001**

**Description:**

Rehabilitation of 7,500 feet of Taft Road from 10 Mile Road to Grand River Avenue to provide a smooth asphalt surface and extend the life of the road. The project would add bike lanes along Taft Road as recommended by the non-motorized master plan to improve non-motorized connectivity. This project was submitted in 2013 for potential grant funding in 2016.

**Justification:**

The road is currently rated a PASER 4 and should be rehabilitated to improve the road so it will remain serviceable.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	202-000.00-			\$121,700				\$121,700
Other/ROW								
Construction	202-000.00-			\$486,800				\$486,800
<b>TOTAL BUDGET</b>				<b>\$608,500</b>				<b>\$608,500</b>

**Taft Road, 9 Mile Road to 10 Mile Road Rehabilitation (PASER 4) Asphalt**

**Project Number: 12**

**CIP Number: 102-05**

**Description:**

Rehabilitation of 5,280 feet of Taft Road from 9 Mile Road to 10 Mile Road to provide a smooth asphalt surface and extend the life of the road. The project would add bike lanes along Taft Road as recommended by the non-motorized master plan to improve non-motorized connectivity.

**Justification:**

The road is currently rated a PASER 4 and should be rehabilitated to improve the road so it will remain serviceable.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	202-000.00-			\$230,625				\$230,625
Other/ROW								
Construction	202-000.00-			\$922,500				\$922,500
<b>TOTAL BUDGET</b>				<b>\$1,153,125</b>				<b>\$1,153,125</b>

**13 Mile Road Rehabilitation, Novi Road to Meadowbrook Road (PASER 6) Asphalt**

**Project Number: 15**

**CIP Number: 10-2023**

**Description:**

Repair and repave 13 Mile Road from Novi Road to Meadowbrook Road (2,600 feet) to extend the useful life of the roadway. The project includes reconstruction of a failed section of 13 Mile near Meadowbrook adjacent to a wetland and the repair of a failed section of Meadowbrook Road near Burroughs Ave. The project would also **add bike lanes and other non-motorized improvements as recommended by the master plan to improve non-motorized connectivity.**

**Justification:**

The road has a PASER rating of 6 and will require capital preventative maintenance.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	202-000.00- Other/ROW				\$95,610			\$95,610
Construction	202-000.00-				\$458,940			\$458,940
<b>TOTAL BUDGET</b>					<b>\$554,550</b>			<b>\$554,550</b>

**Southwest Quadrant Ring Road Flint Street, Novi Road and Grand River - New**

**Project Number: 16**

**CIP Number: 092-50**

**Description:**

A study is currently underway to evaluate the existing alignment of Flint Street and potential alternatives to provide a connection to the ring road at the northwest quadrant of Grand River Avenue and Novi Road. A preliminary design and report will be completed at the end of FY12-13.

**Justification:**

Study recommended by the Northwest Quadrant Ring Road Scoping Study to complete the ring road around the Grand River and Novi Road intersection to improve traffic flow in the area.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering					\$363,612			\$363,612
Construction	204-000.00-				\$1,455,000			\$1,455,000
<b>TOTAL BUDGET</b>					<b>\$1,818,612</b>			<b>\$1,818,612</b>

**Meadowbrook Road (Southbound at 11 Mile)--Add Right turn lane**

**Project Number: 19**

**CIP Number: 132-05**

**Description:**

The southbound lane of Meadowbrook Road at 11 Mile Road is 18-foot wide (wider than a normal 12-foot wide lane) but is not quite wide enough to safely act as a dedicated right turn lane. The project would relocate an existing telephone pole and widen the roadway 5 feet to provide a dedicated right turn lane for southbound Meadowbrook Road to 11 Mile Road.

**Justification:**

Recommended by Town Center Area traffic study in 2012.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	202-000.00-				\$22,200			\$22,200
Other/ROW								
Construction	202-000.00-				\$108,900			\$108,900
<b>TOTAL BUDGET</b>					<b>\$131,100</b>			<b>\$131,100</b>

**Meadowbrook Road (North of 12 Mile Road) Major Repair**

**Project Number: 20**

**CIP Number: 132-03**

**Description:**

There is a portion of Meadowbrook Road between 12 Mile and 13 Mile Road (just south of Burroughs) that has noticeable pavement deflection due to a structural issue with the underlying soils. This project would implement the recommendations of the geotechnical report, which includes the removal of the pavement and poor soils and replacement with engineered backfill and lighter weight expanded polystyrene blocks to prevent future settling. **The pathway in this area is also exhibiting similar structural issues and will be addressed as part of the project.**

**Justification:**

Without reconstruction of this area the road and pathway will continue to settle requiring additional maintenance and more costly repairs over time.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	202-000.00-				\$99,100			\$99,100
Other/ROW								
Construction	202-000.00-				\$485,700			\$485,700
<b>TOTAL BUDGET</b>					<b>\$584,800</b>			<b>\$584,800</b>

**11 Mile Road Rehabilitation and Repaving, Taft Road to Beck Road (PASER 6) Asphalt**

**Project Number: 21**

**CIP Number: 082-30**

**Description:**

Repair and repaving of 11 Mile Road between Taft Road and Beck Road (5,280 feet). Includes the addition of a dedicated right turn lane for westbound 11 Mile Road at Beck Road as recommended in Beck Road Scoping Study short term capacity improvements. The project would also look for opportunities for non-motorized improvements, however the existing curb and gutter is in relatively good condition.

**Justification:**

The road has a PASER rating of 6 and should be rehabilitated in order to keep the road in serviceable condition.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	202-000.00- Other/ROW					\$135,000		\$135,000
Construction	202-000.00-					\$647,700		\$647,700
<b>TOTAL BUDGET</b>						<b>\$782,700</b>		<b>\$782,700</b>

**Old Novi Road Rehabilitation (PASER 7) Asphalt**

**Project Number: 22**

**CIP Number: 102-04**

**Description:**

Rehabilitation of Old Novi Road from Novi Road to 13 Mile Road (1,630 feet) to provide a smooth asphalt surface and extend the life of the road.

**Justification:**

The road is currently rated a PASER 7 and will be due for capital preventative maintenance.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	202-000.00- Other/ROW					\$114,800		\$114,800
Construction	202-000.00-					\$551,000		\$551,000
<b>TOTAL BUDGET</b>						<b>\$665,800</b>		<b>\$665,800</b>

**Donelson to Sheraton and West Oaks - New Road Construction (as recommended in Master Plan)**

**Project Number: 23**

**CIP Number: 082-32**

**Description:**

Proposed new road (2,920 feet) south of existing West Oaks development connecting West Oaks Drive to Donelson and providing access to the businesses that currently have access from Sheraton Drive. The project would include changes to existing Sheraton Drive and West Oaks Drive. Requires property owner cooperation or acquisition of right-of-way. This project was proposed in the 2007 Master Plan for Land Use update. A determination has not yet been made to use asphalt or concrete.

**Justification:**

Recommended by the 2007 Master Plan for Land Use update.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-					\$143,000		\$143,000
Other/ROW	204-000.00-					\$100,000		\$100,000
Construction	204-000.00-					\$658,000		\$658,000
<b>TOTAL BUDGET</b>						<b>\$901,000</b>		<b>\$901,000</b>

**Jo Drive Rehabilitation and Extension (PASER 4) Concrete**

**Project Number: 24**

**CIP Number: 132-02**

**Description:**

Jo Drive is currently a dead end concrete street with a PASER rating of 4 and requires rehabilitation. The project presents an opportunity to extend Jo Drive to make a connection through existing city-owned property to Seeley Road to provide better access to the businesses along Vincenti and Jo. The project would include the extension of Jo Drive from its current terminus to Seeley Road and would include the construction of sidewalks along both sides of existing and proposed Jo Drive to improve non-motorized access in the area.

**Justification:**

This road is currently rated a PASER 4 and requires rehabilitation to prevent further deterioration requiring higher cost construction.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering							\$65,000	\$65,000
Other/ROW								
Construction							\$409,000	\$409,000
<b>TOTAL BUDGET</b>							<b>\$474,000</b>	<b>\$474,000</b>

**11 Mile Rehabilitation (Taft to Clark) PASER 5**

**Project Number: 25**

**CIP Number: 132-27**

**Description:**

Rehabilitation of 3,000 feet of 11 Mile Road from Taft Road to Clark Street to provide a smooth asphalt surface and extend the life of the road.

**Justification:**

The road has a PASER rating of 6 and should be rehabilitated in order to keep the road in serviceable condition.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	202-000.00-						\$55,490	\$55,490
Other/ROW								
Construction	202-000.00-						\$266,350	\$266,350
<b>TOTAL BUDGET</b>							<b>\$321,840</b>	<b>\$321,840</b>

**11 Mile Rehabilitation (Beck to Wixom) PASER 6**

**Project Number: 26**

**CIP Number: 132-26**

**Description:**

Rehabilitation of 5,280 feet of 11 Mile Road from Beck Road to Wixom Road to provide a smooth asphalt surface and extend the life of the road. Includes the addition of a dedicated right turn lane for westbound 11 Mile Road at Beck Road as recommended in Beck Road Scoping Study short term capacity improvements. The project would also look for opportunities for non-motorized improvements, however the existing curb and gutter is in relatively good condition.

**Justification:**

The road has a PASER rating of 6 and should be rehabilitated in order to keep the road in serviceable condition.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	202-000.00-						\$129,080	\$129,080
Other/ROW								
Construction	202-000.00-						\$619,600	\$619,600
<b>TOTAL BUDGET</b>							<b>\$748,680</b>	<b>\$748,680</b>

**West Park Rehabilitation (West Road to Pontiac Trail) PASER 5-8**

**Project Number: 27**

**CIP Number: 132-28**

**Description:**

Rehabilitation of 1.5 miles of West Park Drive from West Road to Pontiac Trail to provide a smooth asphalt surface and extend the life of the road. The project would also look for opportunities for non-motorized improvements, however the existing curb and gutter is in relatively good condition.

**Justification:**

The road has a PASER rating of 5-8 and should be rehabilitated in order to keep the road in serviceable condition.

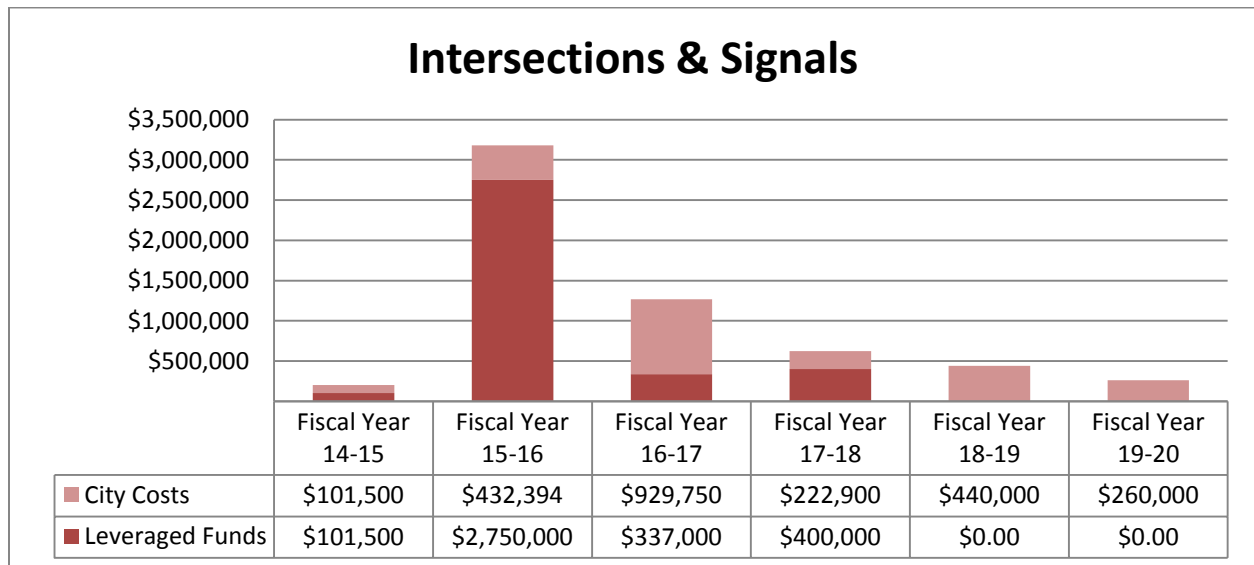
Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	202-000.00- Other/ROW						\$106,210	\$106,210
Construction	202-000.00-						\$509,820	\$509,820
<b>TOTAL BUDGET</b>							<b>\$616,030</b>	<b>\$616,030</b>



## Intersection and Signals

The City of Novi is 32 square miles with 180 miles of major and neighborhood roads. To facilitate safe motorized and non-motorized transportation throughout the City safe road and street intersections and traffic signals need to be designed and maintained year in and year out. Sample projects found in this category are new traffic signals at City intersections, pedestrian crossing signals, turn lanes on major roads and roundabouts at key intersections to calm traffic.

Funding for proposed projects come from a variety of sources Major, Local and Municipal Street funds, and various grant programs that fund traffic related projects.



**Taft and 9 Mile Road - New Roundabout**

**Project Number: 30**

**CIP Number: 086-08**

**Description:**

Construct a modern roundabout at the intersection of Taft Road and 9 Mile Road. The roundabout would eliminate the existing four-way stop control and act as a traffic calming measure. Roundabouts not only act as a traffic calming measure (slowing traffic down) but are also safer by eliminating the head-on and angle crashes which tend to cause injury. A grant application will be submitted for potential federal funding for 100% of the construction cost (awards to be announced in early 2013 for funding year 2016).

**Justification:**

Traffic safety improvement, congestion reduction, air quality improvement and aesthetic improvement.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	202-000.00-		\$82,394					\$82,394
Other/ROW								
Construction	202-000.00-			\$337,000				\$337,000
<b>TOTAL BUDGET</b>			<b>\$82,394</b>	<b>\$337,000</b>				<b>\$419,394</b>

**New Roundabout at 11 Mile Road and Wixom Road**

**Project Number: 31**

**CIP Number: 102-10**

**Description:**

The intersection of Wixom and 11 Mile Road has been studied twice and has not met the warrant for a traffic signal. The increase in traffic along Wixom Road during peak hours has decreased the number of gaps to allow vehicles to turn onto Wixom Road. **A roundabout would regulate traffic at the intersection and work to calm traffic on Wixom Road consistent with the non-motorized character recommended in the non-motorized master plan.**

**Justification:**

Recommended by traffic engineering study completed in 2012 and 2011 Non-Motorized Master Plan.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	202-000.00-			\$175,150				\$175,150
Other/ROW								
Construction	202-000.00-			\$700,600				\$700,600
<b>TOTAL BUDGET</b>				<b>\$875,750</b>				<b>\$875,750</b>

**Add Dual Left Turn Lane - East Bound Grand River at Beck Road**

**Project Number: 32**

**CIP Number: 116-06**

**Description:**

This project would widen eastbound (EB) Grand River at Beck to add a second left turn lane to add capacity at the intersection. The operation of the intersection is impacted by the long queue for the EB left turn from Grand River to Beck and would be mitigated by the second left turn lane. This project was recommended by the I-96 Novi Transportation Study. A Federal safety grant application was submitted in 2013 for funding year 2015, however grant awards have not yet been announced. It is anticipated that the grant awards will be announced in April 2014.

**Justification:**

Improve the operation of the Grand River and Beck intersection and decrease traffic crashes.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-			\$54,000	\$81,300			\$135,300
Other/ROW								
Construction	204-000.00-				\$541,600			\$541,600
<b>TOTAL BUDGET</b>				<b>\$54,000</b>	<b>\$622,900</b>			<b>\$676,900</b>

**Beck Road at 9 Mile Road Signal Modernization**

**Project Number: 33**

**CIP Number: 136-02**

**Description:**

The existing traffic signal at the intersection of Beck Road and 9 Mile Road was installed in 1998 and is reaching the end of its useful life. The signal would be reconstructed with new equipment reflecting the updated standards and improved technology that has changed since the original installation to improve traffic operation and safety. Additionally, the sidewalk ramps and pedestrian signals would be improved and street lighting added to the intersection.

**Justification:**

The equipment is approaching the end of its serviceable life.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering						\$40,000		\$40,000
Other/ROW								
Construction						\$175,000		\$175,000
<b>TOTAL BUDGET</b>						<b>\$215,000</b>		<b>\$215,000</b>

**Lewis and Haggerty Road - New Signal**

**Project Number: 34**

**CIP Number: 086-07**

**Description:**

Construct a new traffic signal for the intersection of Lewis Drive and Haggerty Road based on anticipated future need.

**Justification:**

Traffic safety improvement and congestion reduction.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-					\$50,000		\$50,000
Other/ROW								
Construction	204-000.00-					\$175,000		\$175,000
<b>TOTAL BUDGET</b>						<b>\$225,000</b>		<b>\$225,000</b>

**Novi Road and 13 Mile Road Signal Modernization**

**Project Number: 35**

**CIP Number: 136-01**

**Description:**

The existing traffic signal at the intersection of Novi Road and 13 Mile Road was last improved in 1999 and is reaching the end of its useful life. The signal would be reconstructed with new equipment reflecting the updated standards and improved technology that has changed since the original installation to improve traffic operation and safety. This intersection is located along one of the three mast arm corridors in the City, therefore, the signal would be reconstructed with the Novi standard decorative mast arms. Additionally, the sidewalk ramps and pedestrian signals would be improved and street lighting added to the intersection.

**Justification:**

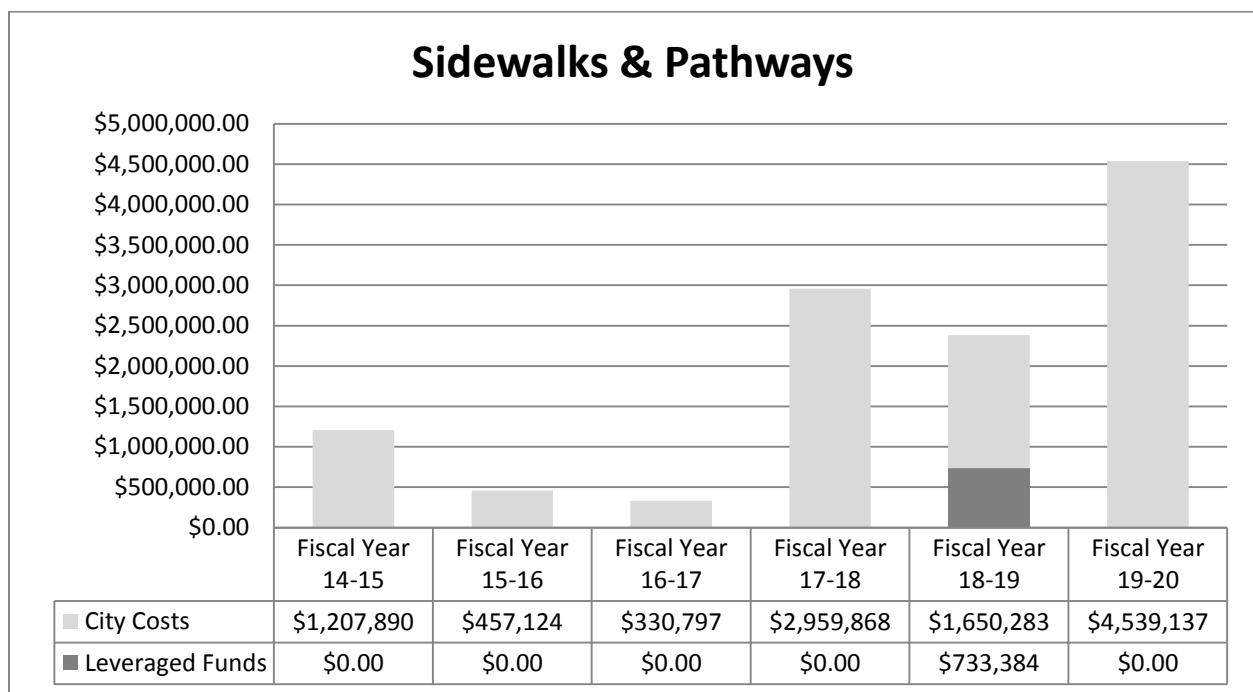
The equipment is approaching the end of its serviceable life

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering							\$50,000	\$50,000
Other/ROW								
Construction							\$210,000	\$210,000
<b>TOTAL BUDGET</b>							<b>\$260,000</b>	<b>\$260,000</b>

## Sidewalk and Pathways

The City of Novi is committed to providing non-motorized sidewalks and pathways in an effort to provide alternative modes of transportation for citizens and stakeholders alike. In this effort the City Council adopted a Non-Motorized Master Plan in 2011. It recommends the installation of bike routes and wayfinding signage along residential streets to enhance the existing neighborhood connections. The City of Novi has had a long standing interest in providing pathways and sidewalks to connect neighborhoods with destinations throughout the City and Region. **Currently the City has over 200 miles of pathways and sidewalks. The Capital Improvement Plan incorporates plans and efforts and preferences of the Non-Motorized Plan.**

**Walkable Novi Committee along with the analysis from the City's Engineering and Planning Division recommends fills to the non-motorized gaps throughout the City. A portion of the City's road millage will go toward financing sidewalk and pathway projects in the City of Novi.**



**Americans with Disabilities Act (ADA) Compliance Plan Annual Implementation**

**Project Number: 36**

**CIP Number: 10-5002**

**Description:**

Annual program to retrofit existing sidewalk and pathway facilities in public rights-of-way with slope and ramp improvements to meet Americans with Disability Act (ADA) requirements for accessibility, based on the findings and recommendations of the February 2011 ADA Compliance Plan. This project is in addition to existing allocations in other road and sidewalk projects that are used for ADA compliance.

**Justification:**

An annual budget for ADA compliance is recommended by the 2011 ADA Compliance Transition Plan to establish a plan for ADA conformance in the City. As discussed in the ADA Compliance Plan, a provision of federal regulation 28 CFR 35 is that all state and local governments prepare a transition plan to guide efforts to bring facilities into compliance with ADA, which must include a schedule and methodology for compliance. An annual budget was initiated in 2011 of \$50,000 to facilitate compliance. See attached Council resolution and report for project justification details.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering								
Other/ROW								
Construction	204-000.00-	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000
<b>TOTAL BUDGET</b>		<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$300,000</b>

**11 Mile Road Pathways (Town Center to Meadowbrook)**

**Project Number: 37**

**CIP Number: 082-30A**

**Description:**

The construction of a 6-foot wide sidewalk along the south side of 11 Mile and a 10-foot wide shared use pathway along the north side of 11 Mile between Town Center and Meadowbrook is the second phase of the road reconstruction project that is proposed for 2014. Construction of the pathways would occur in 2015.

**Justification:**

Pathways are recommended with road reconstruction projects per the Non-Motorized Master Plan

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering		\$67,000						\$67,000
Other/ROW		\$24,700						\$24,700
Construction		\$314,400						\$314,400
<b>TOTAL BUDGET</b>		<b>\$406,100</b>						<b>\$406,100</b>

**Segment 89--Novi Road, East Side 10 Mile Road - Lidstrom (8' foot Pathway) Concrete**

**Project Number: 38**

**CIP Number: 085-89**

**Description:**

Construction of 440 feet of 8-foot wide bike path to fill one gap along the east side of Novi Road from Lidstrom to 10 Mile Road. This project was identified as a top 20 priority segment by the Greenway/Pathway Study.

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system. Ranked 2nd by the 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-	\$21,700						\$21,700
Other/ROW								
Construction	204-000.00-	\$104,250						\$104,250
<b>TOTAL BUDGET</b>		<b>\$125,950</b>						<b>\$125,950</b>

**Segment 76--Grand River, North Side, East of Seeley, (8' foot Pathway Short Segment) Concrete**

**Project Number: 39**

**CIP Number: 095-76**

**Description:**

Construct 400 feet of 8' pathway in concrete along the north side of Grand River just east and west of Seeley Road from the end of the existing pathway to the east to the crosswalk on Grand River constructed with the Grand River Avenue rehabilitation project in 2012.

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system. Ranked 83rd by the 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-	\$5,100						\$5,100
Other/ROW	204-000.00-	\$1,000						\$1,000
Construction	204-000.00-	\$24,460						\$24,460
<b>TOTAL BUDGET</b>		<b>\$30,560</b>						<b>\$30,560</b>

**Segment 145--10 Mile Road (6', north side)--CSX to Catherine Industrial (gap)**

**Project Number: 40**

**CIP Number: 135-145**

**Description:**

Completion of a 220 foot gap of 6' wide sidewalk on the north side of 10 Mile Road between Catherine Industrial Drive and CSX Railroad on two parcels with a single owner. Design is complete and easement acquisition is underway. This segment was identified as a top 20 priority segment by Walkable Novi Committee.

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system. Ranked 8th by the 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering		\$5,320						\$5,320
Other/ROW								
Construction		\$46,040						\$46,040
<b>TOTAL BUDGET</b>		<b>\$51,360</b>						<b>\$51,360</b>

**Pontiac Trail at Geisler Middle School--Improve Pedestrian Crossing**

**Project Number: 41**

**CIP Number: 135-01**

**Description:**

Construction of a new sidewalk north and south of Pontiac Trail at the existing traffic signal for Geisler Middle School along with improvements to the pedestrian signals at the intersection.

**Justification:**

This project will provide a non-motorized connection between the north and south sides of Pontiac Trail and provide better non-motorized access to the school from the multi-family housing to the south. Recommended by Non-Motorized Master Plan.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering		\$15,500						\$15,500
Other/ROW		\$10,000						\$10,000
Construction		\$73,750						\$73,750
<b>TOTAL BUDGET</b>		<b>\$99,250</b>						<b>\$99,250</b>



**Segment 109--8 Mile Road (north side, 8' pathway) between Garfield and Beck**

**Project Number: 42**

**CIP Number: 125-109**

**Description:**

Construction of 2,900 feet of 8' wide pathway to fill two gaps along the north side of 8 Mile Road from Garfield Road to Beck Road to provide an off-road non-motorized connection to Maybury State Park, ITC Community Sports Park, the City of Northville, and Northville Township.

**Justification:**

Provides connections between communities and parks

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-204.00-	\$76,670						\$76,670
Other/ROW								
Construction	204-204.00-	\$368,000						\$368,000
<b>TOTAL BUDGET</b>		<b>\$444,670</b>						<b>\$444,670</b>

**Segment 129-14 Mile Road (5', south side)--Haverhill Farms to Maples Place**

**Project Number: 43**

**CIP Number: 135-129**

**Description:**

Construction of 600 feet of 5-foot wide pathway along the south side of 14 Mile Road between Haverhill Farms and Maples Place to complete a gap in the pathway network. This segment was identified as a top 20 priority segment by Walkable Novi Committee.

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system. Ranked 20th by the 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering			\$11,000					\$11,000
Other/ROW			\$36,000					\$36,000
Construction			\$48,464					\$48,464
<b>TOTAL BUDGET</b>			<b>\$95,464</b>					<b>\$95,464</b>

**Segment NC4--Neighborhood Connection Between Main Street and Meadowbrook Glens**

**Project Number: 44**

**CIP Number: 10-5007**

**Description:**

Construct 650 feet of 6 foot wide concrete sidewalk and acquire easement rights over existing sidewalks to develop a neighborhood connection between Meadowbrook Glens and Main Street.

**Justification:**

Recommended by Non-motorized master plan.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-		\$11,000					\$11,000
Other/ROW	204-000.00-		\$32,000					\$32,000
Construction	204-000.00-		\$51,400					\$51,400
<b>TOTAL BUDGET</b>			<b>\$94,400</b>					<b>\$94,400</b>

**Taft Road at Jacob Drive - Non-Motorized Crossing**

**Project Number: 45**

**CIP Number: 115-999**

**Description:**

Provides a mid-block crossing on Taft Road at Jacob Drive to provide access from the east side of Taft Road to the schools located on the west side of Taft Road.

**Justification:**

Recommended by the Non-Motorized Master Plan.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering								
Other/ROW								
Construction	204-000.00-		\$25,000					\$25,000
<b>TOTAL BUDGET</b>			<b>\$25,000</b>					<b>\$25,000</b>

**Segment 62--10 Mile Road, Eaton Center to Churchill (6' Sidewalk and Boardwalk) for North Side**

**Project Number: 46**

**CIP Number: 085-62**

**Description:**

Construction of 400 feet of boardwalk to fill a gap along the north side of 10 Mile Road from Eaton Center to Churchill Crossing. This project was identified as a top 20 priority segment by the 2012 Update to the Pathway and Sidewalk Prioritization Analysis.

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system. Ranked 13th by the 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-		\$24,700					\$24,700
Other/ROW	204-000.00-		\$18,100					\$18,100
Construction	204-000.00-		\$118,530					\$118,530
<b>TOTAL BUDGET</b>			<b>\$161,330</b>					<b>\$161,330</b>

**Segment 10--Beck Road, East Side, South of Pontiac Trail, (5' foot Sidewalk Short Segment)  
Concrete**

**Project Number: 47**

**CIP Number: 095-10**

**Description:**

Construct 200 feet of 5' sidewalk along the east side of Beck Road across the frontage of K & S Plaza, South of Pontiac Trail to fill an existing gap in the sidewalk system.

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system. Ranked 47th by the 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-		\$5,300					\$5,300
Other/ROW	204-000.00-							
Construction	204-000.00-		\$25,630					\$25,630
<b>TOTAL BUDGET</b>			<b>\$30,930</b>					<b>\$30,930</b>

**Segment 9--Pontiac Trail, South Side (6' foot Sidewalk) Beck Road to West Park Drive**

**Project Number: 48**

**CIP Number: 115-009**

**Description:**

Construction of 5,000 feet of 6' wide sidewalk along the south side of Pontiac Trail between Beck Road and West Park Drive. The project is ranked among the top 20 in the 2011 update to the Sidewalk Prioritization Plan.

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system. Ranked 3rd in the 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-			\$35,000	\$41,565			\$76,565
Other/ROW	204-000.00-			\$11,410				\$11,410
Construction	204-000.00-				\$367,520			\$367,520
<b>TOTAL BUDGET</b>				<b>\$46,410</b>	<b>\$409,085</b>			<b>\$455,495</b>

**Segment 127A--Novi Way, East Side (6' foot Sidewalk) Concrete**

**Project Number: 49**

**CIP Number: 101-127**

**Description:**

Construction of 350 feet of 6-foot wide sidewalk along the east side of Novi Way from 10 Mile Road south. The project would connect to the proposed sidewalk along the Power Park access road and provide connectivity to the Civic Center.

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-			\$4,720				\$4,720
Other/ROW								
Construction	204-000.00-			\$22,667				\$22,667
<b>TOTAL BUDGET</b>				<b>\$27,387</b>				<b>\$27,387</b>

**Segment 53--Beck Road, West Side, (8' foot Pathway) 11 Mile Road to Kirkway Place**

**Project Number: 50**

**CIP Number: 125-053**

**Description:**

Construction of 700 feet of 8-foot wide pathway along the west side of Beck Road from 11 Mile Road to Kirkway.

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system. Ranked 24th in the 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-			\$12,000				\$12,000
Other/ROW	204-000.00-			\$13,000				\$13,000
Construction	204-000.00-			\$56,000				\$56,000
<b>TOTAL BUDGET</b>				<b>\$81,000</b>				<b>\$81,000</b>

**Segment 105 - 8 Mile Road (north side, 8' pathway) between Garfield and Napier**

**Project Number: 51**

**CIP Number: 125-105**

**Description:**

Construction of 5,280 feet of 8' wide pathway to fill one gap along the north side of 8 Mile Road from Garfield Road to Napier Road to provide an off-road non-motorized connection to Maybury State Park, ITC Community Sports Park, the City of Northville, and Northville Township.

**Justification:**

Provides connections between communities and parks

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-204.00-			\$126,000				\$126,000
Other/ROW								
Construction	204-204.00-				\$609,260			\$609,260
<b>TOTAL BUDGET</b>				<b>\$126,000</b>	<b>\$609,260</b>			<b>\$735,260</b>

**Segment 51-10 Mile Road (5' wide, north side)-Dinser to Woodham**

**Project Number: 52**

**CIP Number: 135-51**

**Description:**

Construction of 1,780 feet of 5' wide pathway along the north side of 10 Mile Road between Dinser Drive and Woodham Drive to complete a gap in the pathway network. This segment was discussed at Walkable Novi as a segment of interest because of recent developments in the area that have added to the pathway network. This segment provides a connection between Wixom and Beck on the north side of 10 Mile Road.

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system. Ranked 72 by the 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering					\$23,900			\$23,900
Other/ROW					\$43,000			\$43,000
Construction					\$114,700			\$114,700
<b>TOTAL BUDGET</b>					<b>\$181,600</b>			<b>\$181,600</b>

**Segment 81--10 Mile Road, South Side, (8' foot Pathway) Meadowbrook Road to Haggerty Road**

**Project Number: 53**

**CIP Number: 125-081**

**Description:**

Construction of 5,280 feet of 8' wide pathway along the south side of 10 Mile Road from Meadowbrook Road to Haggerty Road. This segment was identified as a top 20 priority segment by Walkable Novi Committee.

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system. Ranked 2nd by the 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering					\$100,800			\$100,800
Other/ROW						\$25,000	\$10,000	\$35,000
Construction	204-000.00-					\$254,067	\$229,900	\$483,967
<b>TOTAL BUDGET</b>					<b>\$100,800</b>	<b>\$279,067</b>	<b>\$239,900</b>	<b>\$619,767</b>

**Segment 133--Wixom Road Crossing, North of 11 Mile Road (8' foot Pathway Short Segment)  
Concrete**

**Project Number: 54**

**CIP Number: 095-133**

**Description:**

Construction of approximately 75 feet of 8' pathway and associated ramps to cross Wixom Road north of 11 Mile and at Wixom Road and Glenwood to improve the pedestrian routes to Novi Middle School and Deerfield Elementary.

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system. Ranked 69 (but within the top 10 amongst pedestrian safety crossings) by the 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-				\$6,390			\$6,390
Other/ROW								
Construction	204-000.00-				\$30,660			\$30,660
<b>TOTAL BUDGET</b>					<b>\$37,050</b>			<b>\$37,050</b>

**Segment 39--Beck Road, West Side, from 11 Mile Road to Providence**

**Project Number: 55**

**CIP Number: 125-039**

**Description:**

Construction of 1,350 feet of 8' wide pathway along the west side of Beck Road to complete the gap between 11 Mile Road and Providence Park Hospital.

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system. Ranked 8th in the 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-				\$22,000			\$22,000
Other/ROW	204-000.00-				\$57,000			\$57,000
Construction	204-000.00-				\$105,441			\$105,441
<b>TOTAL BUDGET</b>					<b>\$184,441</b>			<b>\$184,441</b>

**Segment 154-- 10 Mile Road (8' foot Pathway) South Side, Between Pheasant Run and Quince Drive, with Crosswalk to North**

**Project Number: 56**

**CIP Number: 115-154**

**Description:**

Construction of 900 feet of 8' wide pathway along the south side of 10 Mile Road to complete the gap between Pheasant Run and Quince Drive. The project would also provide a mid-block crossing in the vicinity of Hampton Hill Drive to provide non-motorized connectivity between the neighborhoods and Orchard Hills Elementary.

**Justification:**

Promotes neighborhood connectivity as recommended in the non-motorized master plan. Ranked 13th in 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-				\$49,770			\$49,770
Other/ROW								
Construction	204-000.00-				\$239,000			\$239,000
<b>TOTAL BUDGET</b>					<b>\$288,770</b>			<b>\$288,770</b>

**M-5/I-275 Regional Trail Connection - Phase II - Meadowbrook Road and 13 Mile Road, between 12 Mile Road and M-5**

**Project Number: 57**

**CIP Number: 115-0003**

**Description:**

Widening the existing pathways along the east side of Meadowbrook Road between 12 Mile and 13 Mile Road and the existing pathway along the north side of 13 Mile Road between Meadowbrook Road and M-5 to a 10-foot wide regional trail. This project is the second phase of a project to create a 10' wide connection between the I-275 regional pathway that ends at Meadowbrook Road and I-275 and the M-5 pathway that begins at M-5 and 13 Mile Road.

**Justification:**

Provides full connectivity to a larger non-motorized regional network through the City of Novi

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-				\$85,000	\$105,000		\$190,000
Other/ROW	204-000.00-				\$12,000			\$12,000
Construction	204-000.00-					\$916,730		\$916,730
<b>TOTAL BUDGET</b>					<b>\$97,000</b>	<b>\$1,021,730</b>		<b>\$1,118,730</b>



**Segment 93--9 Mile Road, Novi Road to Taft, North Side (6' foot Sidewalk) Concrete**

**Project Number: 58**

**CIP Number: 095-93**

**Description:**

Construction of 3,300 feet of 6' wide sidewalk along the north side of 9 Mile Road from Novi Road to Taft Road. This project was identified as a top 20 priority segment by the 2010 Update to the Pathway and Sidewalk Prioritization Analysis.

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system. Ranked 11th by the 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-				\$46,950			\$46,950
Other/ROW	204-000.00-				\$16,600			\$16,600
Construction	204-000.00-					\$225,370		\$225,370
<b>TOTAL BUDGET</b>					<b>\$63,550</b>	<b>\$225,370</b>		<b>\$288,920</b>

**Segment 99--10 Mile Road, South Side, from Wixom Road to Beck Road (8' foot Pathway)**

**Project Number: 59**

**CIP Number: 095-99**

**Description:**

Construction of 3,500 feet of 8' pathway along the south side of 10 Mile in two segments from Wixom to Beck

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system. Ranked 16th by the 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-				\$64,310			\$64,310
Other/ROW					\$89,352			\$89,352
Construction	204-000.00-				\$308,650			\$308,650
<b>TOTAL BUDGET</b>					<b>\$462,312</b>			<b>\$462,312</b>

**Installation of Crosswalks on 12 Mile Road, at Donelson Drive and Cabaret Drive**

**Project Number: 60**

**CIP Number: 10-5008**

**Description:**

The south side of these intersections (the eastbound 12 Mile Road lanes) have traffic signals and can be retrofitted with pedestrian signals, however the north side of the intersection (westbound 12 Mile Road lanes) does not have traffic signals. Crosswalks with hybrid pedestrian signals would be added to facilitate pedestrian crossings of 12 Mile Road at Donelson and 12 Mile Road and Cabaret.

**Justification:**

Recommended in Non-motorized Master Plan and I-96 Transportation Improvement Plan

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00- Other/ROW				\$82,000			\$82,000
Construction	204-000.00-				\$394,000			\$394,000
<b>TOTAL BUDGET</b>					<b>\$476,000</b>			<b>\$476,000</b>

**Segment 119--Meadowbrook Road, East Side, (6' foot Sidewalk) 8 Mile Road to 9 Mile Road**

**Project Number: 61**

**CIP Number: 125-119**

**Description:**

Construction of 3,800 feet of 6' wide pathway along the east side of Meadowbrook Road from 8 Mile Road to 9 Mile Road.

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system. Ranked 12th by the 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00- Other/ROW					\$65,000		\$65,000
Construction	204-000.00-					\$312,000		\$312,000
<b>TOTAL BUDGET</b>					<b>\$377,000</b>			<b>\$377,000</b>

**Segment 90-10 Mile Road, (8' foot Pathway) South Side, Novi Road to Chipmunk Trail - Concrete**

**Project Number: 62**

**CIP Number: 105-90**

**Description:**

Construction of 2,400 feet of 8' wide pathway along the south side of 10 Mile Road from Novi Road to Chipmunk Trail. This segment was identified as a top 20 priority segment by Walkable Novi Committee.

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system. Ranked 7th by the 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-					\$48,000		\$48,000
Other/ROW	204-000.00-					\$11,800		\$11,800
Construction	204-000.00-					\$228,000		\$228,000
<b>TOTAL BUDGET</b>						<b>\$287,800</b>		<b>\$287,800</b>

**Non-motorized Crossing of I-96 at Novi Road**

**Project Number: 63**

**CIP Number: 115-0002**

**Description:**

Construction of a non-motorized crossing of I-96 at Novi Road by constructing a sidewalk along the west side of Novi Road from Crescent Blvd to West Oaks, realigning the existing lanes on the bridge and constructing a barrier wall between vehicular and non-motorized traffic. The project may also require the upgrade of the two existing signals at Novi Road and I-96, which would be replaced with mast arms as was the rest of Novi Road.

**Justification:**

This project will provide a non-motorized connection between the north and south sides of Novi Road and provide access to shopping area. Recommended by Non-Motorized Master Plan and Novi Transportation Improvement Plan.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-					\$142,700		\$142,700
Other/ROW								
Construction	204-000.00-						\$620,400	\$620,400
<b>TOTAL BUDGET</b>						<b>\$142,700</b>	<b>\$620,400</b>	<b>\$763,100</b>

**Segment 88--9 Mile Road, North Side, Novi Road - Railroad (6' Sidewalk) Concrete**

**Project Number: 64**

**CIP Number: 095-88**

**Description:**

Construction of 1,750 feet of 6' wide sidewalk along the north side of 9 Mile Road from Novi Road to CSX Railroad.

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system. Ranked 30th by the 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-						\$30,742	\$30,742
Other/ROW								
Construction	204-000.00-						\$147,560	\$147,560
<b>TOTAL BUDGET</b>							<b>\$178,302</b>	<b>\$178,302</b>

**Segment 29--12 Mile Road, South Side, Between Meadowbrook Road and Novi Road**

**Project Number: 65**

**CIP Number: 125-029**

**Description:**

Construction of 400 feet of boardwalk to fill a gap along the south side of 12 Mile Road west of Meadowbrook Road. This project was identified as a priority short segment by the 2013 Update to the Pathway and Sidewalk Prioritization Analysis--short segment.

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system. Ranked 68 by the 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-						\$11,900	\$11,900
Other/ROW								
Construction	204-000.00-						\$57,300	\$57,300
<b>TOTAL BUDGET</b>							<b>\$69,200</b>	<b>\$69,200</b>

**Segment 70--Meadowbrook Road (8' wide, west side)--Gateway Village to 11 Mile**

**Project Number: 66**

**CIP Number: 135-70**

**Description:**

Construction of 900 feet of 8' wide pathway along the west side of Meadowbrook Road between Gateway Village and 11 Mile Road to complete a gap in the pathway network. Due to the proximity of Bishop Creek along a major portion of the route, a significant amount of boardwalk will be required to complete the segment, leading to a high construction cost. This segment was identified as a top 20 priority segment by Walkable Novi Committee.

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system. Ranked 18th by the 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering							\$75,700	\$75,700
Other/ROW							\$43,000	\$43,000
Construction							\$333,150	\$333,150
<b>TOTAL BUDGET</b>							<b>\$451,850</b>	<b>\$451,850</b>

**Segment 5-- 14 Mile Road, South Side, Beach walk to East Lake Drive**

**Project Number: 67**

**CIP Number: 125-005**

**Description:**

Construction of 600 linear feet of sidewalk along the south side of 14 Mile Road to complete a connection from East Lake Drive to Novi Road.

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system. Ranked 21st by the 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00-						\$9,200	\$9,200
Other/ROW	204-000.00-						\$11,000	\$11,000
Construction	204-000.00-						\$44,100	\$44,100
<b>TOTAL BUDGET</b>							<b>\$64,300</b>	<b>\$64,300</b>

**Segment 84--Meadowbrook Road, 9 Mile Road to 10 Mile Road (6' Sidewalk) for East Side**

**Project Number: 68**

**CIP Number: 085-84**

**Description:**

Construction of 4,400 feet of 6' wide sidewalk to fill two gaps along the east side of Meadowbrook Road from 9 Mile Road to 10 Mile Road. This project was identified as a top 20 priority segment by the Greenway/Pathway Study.

**Justification:**

The project will complete missing segments of the pathway system throughout the City and work to improve the connectivity of the non-motorized transportation system. Ranked 17th by the 2013 update of the Annual Non-Motorized Prioritization.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00- Other/ROW						\$137,069	\$137,069
Construction	204-000.00-						\$657,944	\$657,944
<b>TOTAL BUDGET</b>							<b>\$795,013</b>	<b>\$795,013</b>

**Non-Motorized Crossing of I-96 at Taft Road**

**Project Number: 69**

**CIP Number: 115-0005**

**Description:**

Construction of a non-motorized bridge over I-96 at Taft Road along with construction of pathways along Taft Road to connect the bridge to the rest of the non-motorized network. The bridge would be part of the larger regional trail network proposed in the Non-Motorized Master Plan.

**Justification:**

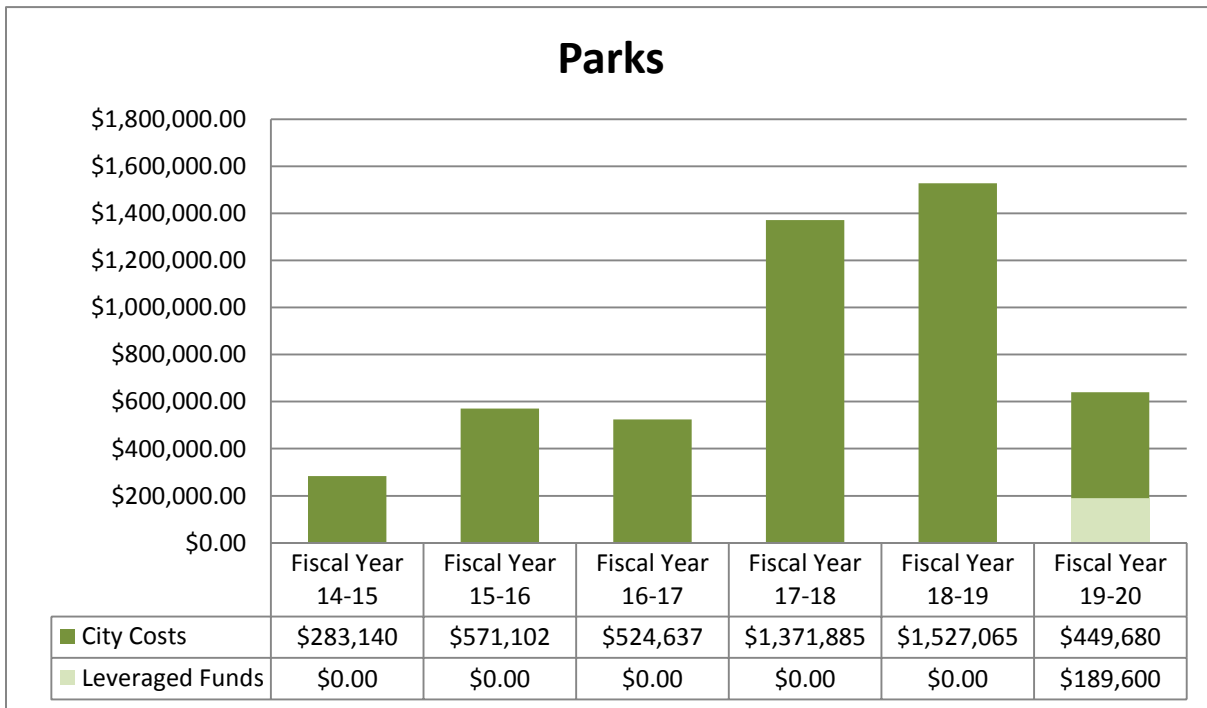
The bridge would provide a north-south connection for the City over I-96 and provide a link to the proposed regional trail network. Recommended by Non-Motorized Master Plan and the Novi Transportation Improvement Plan.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	204-000.00- Other/ROW						\$387,172	\$387,172
Construction	204-000.00-						\$1,683,000	\$1,683,000
<b>TOTAL BUDGET</b>							<b>\$2,070,172</b>	<b>\$2,070,172</b>

## Parks, Recreation and Cultural Services

Quality of life initiatives, such as those represented by parks, open space, and trail projects, are an important component of the Capital Improvement Program. The City of Novi Department of Parks, Recreation and Cultural Services offers lighted ball fields, extensive picnic grounds, shaded playgrounds, beaches, an urban lake, and much, much more. Neighborhood parks provide recreational amenities close to home, while the city's ever-growing network of trails accommodates walkers, joggers, strollers, bicyclists, roller bladers, and equestrians.

Funding for parks, open space, and cultural events is primarily from the Parks and Recreation dedicated millage that was established for maintaining parks and recreation purposes. A one-half tenth of one percent (1/2 mill), and impact fees make up the main funding source for Parks, Recreation and Cultural Services. The six year program emphasizes trail connectivity and access and provides for the continued development of parks across the City.



**Greenway Development Phase IA (ITC Community Sports Park to 9 Mile Rd.)**

**Project Number: 96**

**CIP Number: 109-06**

**Description:**

To plan and build a paved 4.5 mile long north-south regional pathway for recreational use along the ITC Transmission Corridor, which would be 10' in width using a compacted limestone surface. The pathway would connect ITC Community Sports Park to the Providence Park Campus. Due to the length of the path being proposed, a phased approach to design and construction would be likely. Phase 1 of the pathway (2.25 miles long and 70% of the project) would begin at ITC Community Sports Park, continue along the ITC corridor and end at the parking lot of Fire Station No. 4, where a parking area could be located.

**Justification:**

2010 National Citizen Survey ranked ease of bicycle traveling and ease of walking in Novi at 46% and 57% respectively, (2008 Survey had the numbers at 39 and 50); (2006 Survey had the numbers at 35 and 43) on a 100 point scale, showing a need to provide linear open space for use and connectivity in the community. In addition, the 2006 City of Novi Pathway and Sidewalk Prioritization Analysis and Process document places an importance on increasing connectivity to regional or neighboring trail and sidewalk systems. From an economic standpoint, the greenway has the potential to increase real property values, in turn increasing municipal

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	208-691.00-							
Other/ROW								
Construction	208-691.00-		\$445,552					\$445,552
<b>TOTAL BUDGET</b>			<b>\$445,552</b>					

**Brookfarm Park Parking, Tables and Grills**

**Project Number: 97**

**CIP Number: PRCS**

**Description:**

Brookfarm Park is a neighborhood park located in a subdivision and is mainly accessed by area residents. No parking is available for city residents who wish to visit the park and are driving a vehicle. A small parking area is being proposed at the end of Ripple Creek (\$37,880), along with an area for a few picnic tables and grills (\$2,000).

**Justification:**

All residents in Novi could access Brookfarm Park and make use of the amenities for a small outdoor gathering or picnic.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering								
Other/ROW	208-691.00-		\$2,000					\$2,000
Construction	208-691.00-		\$37,880					\$37,880
<b>TOTAL BUDGET</b>			<b>\$39,880</b>					<b>\$39,880</b>



**ITC Community Sports Park Pathway Resurfacing**

**Project Number: 98**

**CIP Number: 100-05**

**Description:**

This project will revitalize the park pathway system and support the active, healthy lifestyle we provide our citizens, by asphalt resurfacing one mile of pathway, to include mill and overlay.

**Justification:**

The one mile park pathway system is 20 years old and is showing signs of degradation. The system will need to have various spots replaced and others capped in an effort to maintain the structural integrity of the walkways. The pathway system in the parks is vital to mobility between athletic surfaces, facilities, and to the health and welfare of park patrons. As the park ages, the infrastructure begins to degrade and maintenance is necessary to keep the infrastructure functional.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering								
Other/ROW								
Construction	208-691.00-		\$85,670					\$85,670
<b>TOTAL BUDGET</b>			<b>\$85,670</b>					<b>\$85,670</b>

**Ella Mae Power Park Play Structure Replacement**

**Project Number: 98**

**CIP Number: 109-10**

**Description:**

This park currently has two play structures. This project would remove one of two existing play structures in the first quarter and replace it with a new (Americans with Disabilities Act) ADA accessible play structure developed for children ages 2-12 by the end of the third quarter. With the number of organized sports teams playing at Ella Mae Power Park, there is a tremendous amount of kids passing through the park not to mention bringing their younger siblings. Therefore having the play structure specifically designed for ages 5 to 12+ year-olds and 2 to 5 -year-olds giving age-appropriate challenges to flex kids' muscles and stretch their imaginations.

The last 20 years in the playground industry have seen the introduction of numerous playground safety and accessibility regulations. With the advent of the Americans with Disabilities Act in 1990, the Access Board's playground accessibility rules of 2000, and the latest Department of Justice Standards published in 2010, accessibility has been at the forefront of recreation facility and playground development. Designers have consistently advocated the value of highly accessible facilities.

**Justification:**

The current structure does not provide ADA accessibility for community youth and is in need of frequent repairs. An enhanced structure would meet current ADA standards, improve safety and provide updated play equipment.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering								
Other/ROW								
Construction	208-691.00-			\$85,000				\$85,000
<b>TOTAL BUDGET</b>				<b>\$85,000</b>				<b>\$85,000</b>

**ITC Community Sports Park Trail**

**Project Number: 100**

**CIP Number: PRCS**

**Description:**

Develop a 3,709 linear foot non-motorized trailhead and trail through ITC Community Sports Park. The trailhead and trail will tie into the proposed ITC corridor regional trail to the north, and the Maybury State Park regional trail system to the south. The trailhead items will include bike racks, park benches, signage and an information kiosk. Restrooms and shade are provided on site.

**Justification:**

In February 2011, the City established a Non-Motorized Master Plan generated through the efforts of the Walkable Novi Committee, which calls for a pathway through ITC Community Sports Park.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering								
Other/ROW								
Construction	208-000.00-			\$439,637				\$439,637
<b>TOTAL BUDGET</b>				<b>\$439,637</b>				<b>\$439,637</b>

**ITC Sports Park Asphalt Paved Parking lots**

**Project Number: 101**

**CIP Number: PRCS**

**Description:**

This project will reduce maintenance costs for ITC Sports Park's parking lot and drives by replacing gravel surfaces with asphalt.

**Justification:**

Gravel and chloride maintenance costs could be virtually eliminated by paving these surfaces. In addition, catch basin clean-out costs would be greatly reduced. National Citizen Survey results reported a majority of citizens view park facilities good to fair. The parking areas associated with ITC Sports Park is routinely rutted, dusty, and has poor drainage after a significant rainfall. These lots are utilized annually by numerous patrons who participate in various sports, both through park activities and user groups; field rentals play at the Tim Pope play structure and rent the shelter. The combined parking areas are utilized seasonally.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	208-691.00-				\$64,642			\$64,642
Other/ROW	208-691.00-				\$51,714			\$51,714
Construction	208-691.00-				\$258,568			\$258,568
<b>TOTAL BUDGET</b>					<b>\$374,924</b>			<b>\$374,924</b>

**Disc Golf Course at Power Park**

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**Project Number: 106**

**CIP Number: PRCS**

**Description:**

As a fast growing sport, it is proposed to install a Champion Level 18-Hole Disc Golf Course located at Ella Mae Power Park. Currently, the park is used mainly for softball games; however, with the introduction of disc golf utilizing the southwest corner of the park behind the softball fields, additional recreational activity would be enjoyed by the citizens without interference to current fields. The local community character of the park and landscape would guide the desirable features in the design of this course.

**Justification:**

In order to stay on the cutting edge of recreation demands, the Parks Department would like to take the initiative and install disc golf. This would be the first city owned golf disc championship course and would provide disc golf equipment directly on sight to citizens through a 24-hour machine operated retail center.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering								
Other/ROW								
Construction	208-000.00-				\$73,100			\$73,100
<b>TOTAL BUDGET</b>					<b>\$73,100</b>			<b>\$73,100</b>

**Wildlife Woods Trail**

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**Project Number: 107**

**CIP Number: PRCS**

**Description:**

The project will construct a sidewalk and paved 10' non-motorized trail 0.3 miles through an existing woodlot, providing connections to Wildlife Woods, Deerfield Elementary School, existing sidewalk networks, adjacent neighborhoods and regional trail systems.

**Justification:**

The proposed trail would enable over 1400 students to use a non-motorized multi-use path to access an existing city park as well as a city-wide connection for other residents.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering								
Other/ROW								
Construction	208-000.00-				\$95,630			\$95,630
<b>TOTAL BUDGET</b>					<b>\$95,630</b>			<b>\$95,630</b>

**Development Phase IB (9 Mile Rd. to Fire Station 4 Parking Lot)**

**Project Number: 108**

**CIP Number: 125-997**

**Description:**

To plan and build a paved 4.5 mile long north-south regional pathway for recreational use along the ITC Transmission Corridor, which would be 10' in width using a compacted limestone surface. The pathway would connect ITC Community Sports Park to the Providence Park Campus. Due to the length of the path being proposed, a phased approach to design and construction would be likely. Phase 1 of the pathway (2.25 miles long and 70% of the project) would begin at ITC Community Sports Park, continue along the ITC corridor and end at the parking lot of Fire Station No. 4, where a parking area could be located.

**Justification:**

2010 National Citizen Survey ranked ease of bicycle travel and ease of walking in Novi at 46% and 57% respectively, (2008 Survey had the numbers at 39 and 50); (2006 Survey had the numbers at 35 and 43) on a 100 point scale, showing a need to provide linear open space for use and connectivity in the community. In addition, the 2006 City of Novi Pathway and Sidewalk Prioritization Analysis and Process document places an importance on increasing connectivity to regional or neighboring trail and sidewalk systems. From an economic standpoint the greenway has the potential to increase real property values, in turn increasing municipal

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering	208-691.00-							
Other/ROW	208-691.00-							
Construction	208-691.00-					\$1,345,065		\$1,345,065
<b>TOTAL BUDGET</b>						<b>\$1,345,065</b>		<b>\$1,345,065</b>

**Field/Parking Development with Novi Community School District for School's 11 Mile/Beck Road Property**

**Project Number: 109**

**CIP Number: PRCS**

**Description:**

The property is owned by Novi Community Schools. This project would entail working out an agreement with the schools to develop a portion of the property for recreational use. The development would consist of multi-use fields that could be used as practice space for popular sports such as soccer or used by some of our growing sports such as Lacrosse and Cricket. The current scope of the project would include making minor improvements for developing seven acres for parking purposes.

**Justification:**

The project would be used as a community gathering space, utilized for sports, and recreational use.

Category	Account No.	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	TOTAL
Engineering								
Other/ROW								
Construction	208-691.00-					\$182,000		\$182,000
<b>TOTAL BUDGET</b>						<b>\$182,000</b>		<b>\$182,000</b>

**CAPITAL IMPROVEMENT PROGRAM  
2014-2020 Project Summary**

PROJECT NUMBER AND NAME	POTENTIAL FUNDING SOURCE(S)	TOTAL PROJECT COST	TOTAL CITY COST	Budget		Projected				Forecast					
				FY 2014-15		FY 2015-16		FY 2016-17		FY 2017-18		FY 2018-19		FY 2019-20	
				Outside Leverage	CITY COST	Outside Leverage	CITY COST	Outside Leverage	CITY COST	Outside Leverage	CITY COST	Outside Leverage	CITY COST	Outside Leverage	CITY COST
1	Neighborhood Road Rehabilitation, Repaving and Reconstruction Program		\$15,190,000		\$2,090,000		\$2,090,000		\$2,100,000		\$2,970,000		\$2,970,000		\$2,970,000
2	Haggerty Road (9 Mile to 10 Mile) Widening		\$110,000	\$55,000	\$55,000										
3	West Road Repaving, West Park Drive to City limits	Major Road Funds	\$167,050	\$167,050		\$167,050									
4	Beck Road (8 Mile to 9 Mile) Rehabilitation (Paser 3-4) Asphalt	Major Road Fund/Federal Grant	\$1,131,300	\$908,425			\$92,500	\$222,875	\$815,925						
5	Novi Road from 12 Mile Road to 13 Mile Road Rehabilitation (Paser 4) Asphalt	Major Street Fund/Federal Grant	\$950,625	\$399,185			\$551,440	\$399,185							
6	9 Mile Road Meadowbrook to Novi Road Rehabilitation	Major Street Fund/Federal Grant	\$426,625	\$216,817			\$209,808	\$216,817							
7	Crescent Blvd (New Roadway) Extension Between Grand River Avenue and Novi Road - Phase II and III	Municipal Street Fund, Private Funding	\$3,417,580	\$627,580			\$2,790,000	\$627,580							
8	Karim Blvd., Rehabilitation (Paser 4) Asphalt	Major Street Fund	\$662,500	\$662,500			\$662,500								
9	Crescent Blvd., Novi Road to Town Center Drive Rehabilitation (Paser 4)	Major Street Fund	\$890,200	\$890,200			\$890,200								
10	Meadowbrook Road Rehabilitation, I-96 to 12 Mile, (Paser 5)	Major Street Fund	\$407,375	\$407,375					\$407,375						
11	Taft Road, 10 mile Road to Grand River Avenue (Paser 4) Asphalt	Major Road Fund, Potential Grant Funding	\$608,500	\$271,611					\$336,889	\$271,611					
12	Taft Road, 9 Mile Road to 10 Mile Road Rehabilitation (Paser 4) Asphalt	Major Street Fund/Potential Federal Grant opportunity	\$1,153,125	\$828,036					\$325,089	\$828,036					
13	Trans-X Drive Rehabilitation (Paser 5/4) Concrete	Major Street Fund	\$377,800	\$377,800							\$377,800				
14	Wixom Road, from 10 Mile Road to 11 Mile Road (Paser 5) Asphalt	Major Street fund, Federal Grant application submitted 2011	\$717,400	\$717,400							\$717,400				
15	13 Mile Road Rehabilitation, Novi Road to Meadowbrook Road (Paser 6) Asphalt	Major Street Fund and potential Federal Grant	\$554,550	\$554,550							\$554,550				
16	Southwest Quadrant Ring Road Flint Street, Novi Road and Grand River - New	Municipal Street Fund	\$1,818,612	\$1,818,612							\$1,818,612				
17	Sixth Gate Reconstruction	Local Street Fund	\$98,585	\$98,585							\$98,585				
18	Beck Road Widening (8 Mile to 10 Mile) Preliminary Engineering ONLY	Potential STP-U Federal Grant funds, Major Roads	\$1,000,000	\$200,000							\$800,000	\$200,000			
19	Meadowbrook Road (Southbound at 11 Mile)--Add Right turn lane	Major Street Fund	\$131,100	\$131,100							\$131,100				
20	Meadowbrook Road (North of 12 Mile Road) Major Repair	Major Street Fund	\$584,800	\$584,800							\$584,800				
21	11 Mile Road Rehabilitation and Repaving, Taft Road to Beck Road (Paser 6) Asphalt	Major Street Fund	\$782,700	\$782,700									\$782,700		
22	Old Novi Road Rehabilitation (Paser 7) Asphalt	Major Street Fund	\$665,800	\$665,800									\$665,800		

PROJECT NUMBER AND NAME	POTENTIAL FUNDING SOURCE(S)	TOTAL PROJECT COST	TOTAL CITY COST	Budget		Projected				Forecast					
				FY 2014-15		FY 2015-16		FY 2016-17		FY 2017-18		FY 2018-19		FY 2019-20	
				Outside Leverage	CITY COST	Outside Leverage	CITY COST	Outside Leverage	CITY COST	Outside Leverage	CITY COST	Outside Leverage	CITY COST	Outside Leverage	CITY COST
23	Donelson to Sheraton and West Oaks - New Road Construction (as recommended in Master Plan)	\$901,000	\$901,000										\$901,000		
24	Jo Drive Rehabilitation and Extension (Paser 4) Concrete	\$474,000	\$474,000												\$474,000
25	11 Mile Rehabilitation (Taff to Clark) PASER 5	\$321,840	\$321,840												\$321,840
26	11 Mile Rehabilitation (Beck to Wixom) PASER 6	\$748,680	\$748,680												\$748,680
27	West Park Rehabilitation (West Road to Pontiac Trail) PASER 5-8	\$616,030	\$616,030												\$616,030
<b>Roads Total</b>		<b>\$34,907,777</b>	<b>\$29,616,676</b>	<b>\$55,000</b>	<b>\$2,312,050</b>	<b>\$3,551,248</b>	<b>\$4,978,782</b>	<b>\$884,853</b>	<b>\$4,422,947</b>	<b>\$800,000</b>	<b>\$7,452,847</b>		<b>\$5,319,500</b>		<b>\$5,130,550</b>

**Intersections & Signals**

28	13 Mile and Cabot-New Signal	Municipal Street Fund/Potential Private Funds	\$203,000	\$101,500	\$101,500	\$101,500									
29	Napier Road and 10 Mile Road Intersection Improvements to Include Paving Napier Road.	Municipal Street Fund, Tri-Party	\$3,100,000	\$350,000			\$2,750,000	\$350,000							
30	Taff and 9 Mile Road - New Roundabout	Potential Grand, Major Road Funds	\$419,394	\$82,394				\$82,394	\$337,000						
31	New Roundabout at 11 Mile Road and Wixom Road	Major Road Fund	\$875,750	\$875,750						\$875,750					
32	Add Dual Left Turn Lane - East Bound Grand River at Beck Road	Possible Grant, Possible Tri-Party, Municipal Street Fund	\$676,900	\$276,900					\$54,000	\$400,000	\$222,900				
33	Beck Road at 9 Mile Road Signal Modernization	Major Street Fund	\$215,000	\$215,000									\$215,000		
34	Lewis and Haggerty Road - New Signal	Municipal Street Fund	\$225,000	\$225,000									\$225,000		
35	Novi Road and 13 Mile Road Signal Modernization	Major Street Fund	\$260,000	\$260,000											\$260,000
<b>Intersections &amp; Signals Total</b>		<b>\$5,975,044</b>	<b>\$2,386,544</b>	<b>\$101,500</b>	<b>\$101,500</b>	<b>\$2,750,000</b>	<b>\$432,394</b>	<b>\$337,000</b>	<b>\$929,750</b>	<b>\$400,000</b>	<b>\$222,900</b>		<b>\$440,000</b>		<b>\$260,000</b>

**Sidewalks & Pathways**

36	Americans with Disabilities Act (ADA) Compliance Plan Annual Implementation	Municipal Street Fund	\$300,000	\$300,000		\$50,000		\$50,000		\$50,000		\$50,000		\$50,000		\$50,000
37	11 Mile Road Pathways (Town Center to Meadowbrook)	Major Road Fund	\$406,100	\$406,100		\$406,100										
38	Segment 89--Novi Road, East Side 10 Mile Road - Lidstrom (8' foot Pathway) Concrete	Municipal Street Fund	\$125,950	\$125,950		\$125,950										
39	Segment 76--Grand River, North Side, East of Seeley, (8' foot Pathway Short Segment) Concrete	Municipal Street Fund	\$30,560	\$30,560		\$30,560										
40	Segment 145--10 Mile Road (6', north side)--CSX to Catherine Industrial (gap)	Municipal Street Fund	\$51,360	\$51,360		\$51,360										
41	Pontiac Trail at Geisler Middle School--Improve Pedestrian Crossing	Municipal Street Fund	\$99,250	\$99,250		\$99,250										
42	Segment 109--8 Mile Road (north side, 8' pathway) between Garfield and Beck	Municipal Street Fund/Potential Grant	\$444,670	\$444,670		\$444,670										
43	Segment 129--14 Mile Road (5', south side)--Haverhill Farms to Maples Place	Municipal Street Fund	\$95,464	\$95,464				\$95,464								
44	Segment NC4--Neighborhood Connection Between Main Street and Meadowbrook Glens	Municipal Street Fund	\$94,400	\$94,400				\$94,400								
45	Taff Road at Jacob Drive - Non-Motorized Crossing	Municipal Street Fund	\$25,000	\$25,000				\$25,000								

PROJECT NUMBER AND NAME	POTENTIAL FUNDING SOURCE(S)	TOTAL PROJECT COST	TOTAL CITY COST	Budget		Projected				Forecast						
				FY 2014-15		FY 2015-16		FY 2016-17		FY 2017-18		FY 2018-19		FY 2019-20		
				Outside Leverage	CITY COST	Outside Leverage	CITY COST	Outside Leverage	CITY COST	Outside Leverage	CITY COST	Outside Leverage	CITY COST	Outside Leverage	CITY COST	
46	Segment 62--10 Mile Road, Eaton Center to Churchill (6' Sidewalk and Boardwalk) for North Side	Municipal Street Fund	\$161,330	\$161,330				\$161,330								
47	Segment 10--Beck Road, East Side, South of Pontiac Trail, (5' foot Sidewalk Short Segment) Concrete	Municipal Street Fund	\$30,930	\$30,930				\$30,930								
48	Segment 9--Pontiac Trail, South Side (6' foot Sidewalk) Beck Road to West Park Drive	Municipal Street Fund	\$455,495	\$455,495					\$46,410		\$409,085					
49	Segment 127A--Novi Way, East Side (6' foot Sidewalk) Concrete	Municipal Street Fund	\$27,387	\$27,387					\$27,387							
50	Segment 53--Beck Road, West Side, (8' foot Pathway) 11 Mile Road to Kirkway Place	Municipal Street Fund	\$81,000	\$81,000					\$81,000							
51	Segment 105 - 8 Mile Road (north side, 8' pathway) between Garfield and Napier	Special Assessment Funds/Potential Federal Grant	\$735,260	\$735,260					\$126,000		\$609,260					
52	Segment 51-10 Mile Road (5' wide, north side)-Dinser to Woodham	Municipal Street Fund	\$181,600	\$181,600							\$181,600					
53	Segment 81--10 Mile Road, South Side, (8' foot Pathway) Meadowbrook Road to Haggerty Road	Municipal Street Fund	\$619,767	\$619,767							\$100,800		\$279,067		\$239,900	
54	Segment 133--Wixom Road Crossing, North of 11 Mile Road (8' foot Pathway Short Segment) Concrete	Municipal Street Fund	\$37,050	\$37,050							\$37,050					
55	Segment 39--Beck Road, West Side, from 11 Mile Road to Providence	Municipal Street Fund	\$184,441	\$184,441							\$184,441					
56	Segment 154--10 Mile Road (8' foot Pathway) South Side, Between Pheasant Run and Quince Drive, with Crosswalk to North	Municipal Street Fund	\$288,770	\$288,770							\$288,770					
57	M-5/I-275 Regional Trail Connection - Phase II - Meadowbrook Road and 13 Mile Road, between 12 Mile Road and M-5	Municipal Street Fund, Potential Transportation Enhancement Grant	\$1,118,730	\$385,346							\$97,000	\$733,384	\$288,346			
58	Segment 93--9 Mile Road, Novi Road to Taft, North Side (6' foot Sidewalk) Concrete	Municipal Street Fund	\$288,920	\$288,920							\$63,550		\$225,370			
59	Segment 99--10 Mile Road, South Side, from Wixom Road to Beck Road (8' foot Pathway)	Municipal Street Fund	\$462,312	\$462,312							\$462,312					
60	Installation of Crosswalks on 12 Mile Road, at Donelson Drive and Cabaret Drive	Municipal Street Fund	\$476,000	\$476,000							\$476,000					
61	Segment 119--Meadowbrook Road, East Side, (6' foot Sidewalk) 8 Mile Road to 9 Mile Road	Municipal Street Fund	\$377,000	\$377,000									\$377,000			
62	Segment 90-10 Mile Road, (8' foot Pathway) South Side, Novi Road to Chipmunk Trail - Concrete	Municipal Street Fund	\$287,800	\$287,800									\$287,800			
63	Non-motorized Crossing of I-96 at Novi Road	Municipal Street Fund	\$763,100	\$763,100									\$142,700		\$620,400	
64	Segment 88--9 Mile Road, North Side, Novi Road - Railroad (6' Sidewalk) Concrete	Municipal Street Fund	\$178,302	\$178,302												\$178,302
65	Segment 29--12 Mile Road, South Side, Between Meadowbrook Road and Novi Road	Municipal Street Fund	\$69,200	\$69,200												\$69,200
66	Segment 70--Meadowbrook Road (8' wide, west side)-- Gateway Village to 11 Mile	Municipal Street Fund	\$451,850	\$451,850												\$451,850

PROJECT NUMBER AND NAME	POTENTIAL FUNDING SOURCE(S)	TOTAL PROJECT COST	TOTAL CITY COST	Budget		Projected				Forecast						
				FY 2014-15		FY 2015-16		FY 2016-17		FY 2017-18		FY 2018-19		FY 2019-20		
				Outside Leverage	CITY COST	Outside Leverage	CITY COST	Outside Leverage	CITY COST	Outside Leverage	CITY COST	Outside Leverage	CITY COST	Outside Leverage	CITY COST	
67	Segment 5--14 Mile Road, South Side, Beach walk to East Lake Drive	Municipal Street Fund	\$64,300	\$64,300												\$64,300
68	Segment 84--Meadowbrook Road, 9 Mile Road to 10 Mile Road (6' Sidewalk) for East Side	Municipal Street Fund	\$795,013	\$795,013												\$795,013
69	Non-Motorized Crossing of I-96 at Taff Road	Municipal Street Fund	\$2,070,172	\$2,070,172												\$2,070,172
<b>Sidewalks &amp; Pathways Total</b>			<b>\$11,878,483</b>	<b>\$11,145,099</b>		<b>\$1,207,890</b>		<b>\$457,124</b>		<b>\$330,797</b>		<b>\$2,959,868</b>	<b>\$733,384</b>	<b>\$1,650,283</b>		<b>\$4,539,137</b>

**Storm Sewer & Drainage**

70	Streambank Stabilization-Bishop Creek and Ingersol (10 Mile to Meadowbrook)	Drain Fund	\$927,050	\$927,050		\$176,390		\$750,660								
71	Orchard Hill Place Regional Detention Basin Improvement	Drain Fund	\$152,975	\$152,975		\$26,375		\$126,600								
72	Middle Rouge at Flint Street, Streambank Stabilization	Drain Fund	\$337,840	\$337,840		\$337,840										
73	Village Wood Lake/Village Oaks Lake Inlet and Outlet Improvements	Drain Fund	\$929,170	\$929,170				\$929,170								
74	Bishop District New Sedimentation Dredging Near 11 Mile Road	Drain Fund	\$200,832	\$200,832					\$200,832							
75	Rotary Park Streambank Stabilization	Drain Fund	\$160,900	\$160,900					\$160,900							
76	Streambank Stabilization Ingersol Creek (10 Mile Road to Willowbrook Drive)	Drain Fund	\$409,397	\$409,397							\$87,137		\$322,260			
77	Streambank Stabilization Bishop Creek (along Meadowbrook, north of Grand River)	Drain Fund	\$531,197	\$531,197									\$531,197			
78	Streambank Stabilization on Rouge River near 9 Mile Road	Drain Fund	\$1,316,820	\$1,316,820												\$1,316,820
<b>Storm Sewer &amp; Drainage Total</b>			<b>\$4,966,181</b>	<b>\$4,966,181</b>		<b>\$540,605</b>		<b>\$1,806,430</b>		<b>\$361,732</b>		<b>\$87,137</b>		<b>\$853,457</b>		<b>\$1,316,820</b>

**Sanitary Sewer**

79	Sanitary Sewer Upgrade to Increase Pipe Capacity - 9 Mile Road East of Meadowbrook Road.	Water & Sewer Fund	\$514,000	\$514,000		\$514,000										
80	Park Place Pump Station Upgrades	Water & Sewer Fund	\$240,000	\$240,000		\$240,000										
81	8 New Sewer Flow Meters	Water & Sewer Fund	\$40,000	\$40,000		\$40,000										
82	Sanitary Sewer Upgrade to Increase Pipe Capacity - 9 Mile Road, West of Novi Road	Water & Sewer Fund	\$350,000	\$350,000				\$350,000								
<b>Sanitary Sewer Total</b>			<b>\$1,144,000</b>	<b>\$1,144,000</b>		<b>\$794,000</b>		<b>\$350,000</b>								

**Water Distribution**

83	12" inch Water Main Along 14 Mile Road, Haverhill to Maples-New	Water & Sewer Fund	\$140,000	\$140,000		\$140,000										
84	16" inch Water Main Along Meadowbrook Road Under I-96	Water & Sewer Fund	\$489,000	\$489,000		\$489,000										
85	16" inch Water Main Along 9 Mile Road, Center to Novi Road	Water & Sewer Fund	\$499,000	\$499,000		\$499,000										
86	Cabot Road Meter Installation and 24" inch Connection with Detroit Water and Sewerage Department (DWSD)	Water & Sewer Fund	\$832,000	\$832,000				\$832,000								
87	Cabot 24" inch Water Main, MacKenzie to 14 Mile Road	Water & Sewer Fund	\$710,000	\$710,000				\$710,000								



PROJECT NUMBER AND NAME	POTENTIAL FUNDING SOURCE(S)	TOTAL PROJECT COST	TOTAL CITY COST	Budget		Projected				Forecast						
				FY 2014-15		FY 2015-16		FY 2016-17		FY 2017-18		FY 2018-19		FY 2019-20		
				Outside Leverage	CITY COST	Outside Leverage	CITY COST	Outside Leverage	CITY COST	Outside Leverage	CITY COST	Outside Leverage	CITY COST	Outside Leverage	CITY COST	
88	12" inch Water Main Along 8 Mile Road, Club Lane to Turnberry	\$203,000	\$203,000				\$203,000									
89	12" inch Water Main Along 10 Mile from Wixom to Terra Del Mar	\$421,000	\$421,000						\$421,000							
90	12" inch Water Main Along 11 Mile Road, Lee BeGole Drive to the West	\$413,000	\$413,000						\$413,000							
91	12" inch Water Main on 11 Mile Road, Seeley to Meadowbrook Road	\$819,000	\$819,000								\$819,000					
92	12" inch Water Main Along Haggerty Road North of 12 Mile Road	\$128,000	\$128,000								\$128,000					
93	11 Mile Road Water Main Gaps, Iaff to Beck Road	\$474,500	\$474,500								\$474,500					
<b>Water Distribution Total</b>		<b>\$5,128,500</b>	<b>\$5,128,500</b>		<b>\$1,128,000</b>		<b>\$1,745,000</b>		<b>\$834,000</b>		<b>\$1,421,500</b>					

**Parks**

94	Ella Mae Power Park Access Road, Parking Lot and Pathway Resurfacing - Phase III	\$33,140	\$33,140		\$33,140											
95	Tim Pope Play Structure Replacement	\$250,000	\$250,000		\$250,000											
96	Greenway Development Phase IA (ITC Community Sports Park to 9 Mile Rd.)	\$445,552	\$445,552				\$445,552									
97	Brookfarm Park Parking, Tables and Grills	\$39,880	\$39,880				\$39,880									
98	ITC Community Sports Park Pathway Resurfacing	\$85,670	\$85,670				\$85,670									
99	Ella Mae Power Park Play Structure Replacement	\$85,000	\$85,000						\$85,000							
100	ITC Community Sports Park Trail	\$439,637	\$439,637						\$439,637							
101	ITC Community Sports Park Asphalt Paved Parking lots	\$374,924	\$374,924								\$374,924					
102	Pavilion Shore Park - Phase V (Water Feature and Restroom Facility)	\$420,000	\$420,000								\$420,000					
103	ITC Community Sports Park Play Structure Replacement	\$75,000	\$75,000								\$75,000					
104	Lakeshore Park Asphalt Paved Parking Lot and Drive - New	\$228,276	\$228,276								\$228,276					
105	Pavilion Shore Park Play Structure - New	\$104,955	\$104,955								\$104,955					
106	Disc Golf Course at Power Park	\$73,100	\$73,100								\$73,100					
107	Wildlife Woods Trail	\$95,630	\$95,630								\$95,630					
108	Greenway Development Phase IB (9 Mile Rd. to Fire Station 4 Parking Lot)	\$1,345,065	\$1,345,065										\$1,345,065			
109	Field/Parking Development with Novi Community School District for School's 11 Mile/Beck Road Property	\$182,000	\$182,000										\$182,000			

**ITEM 4**

## STAFF REPORT