



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 |
| FY12-13 PROJECTS | | | | | | |
| Providence Pathway | DESIGN | DESIGN | DESIGN | ROW | CONSTRUCT | CONSTRUCT |
| ADA Compliance Plan for City sites | DESIGN | DESIGN | DESIGN | DESIGN | | |
| FY13-14 PROJECTS | | | | | | |
| 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

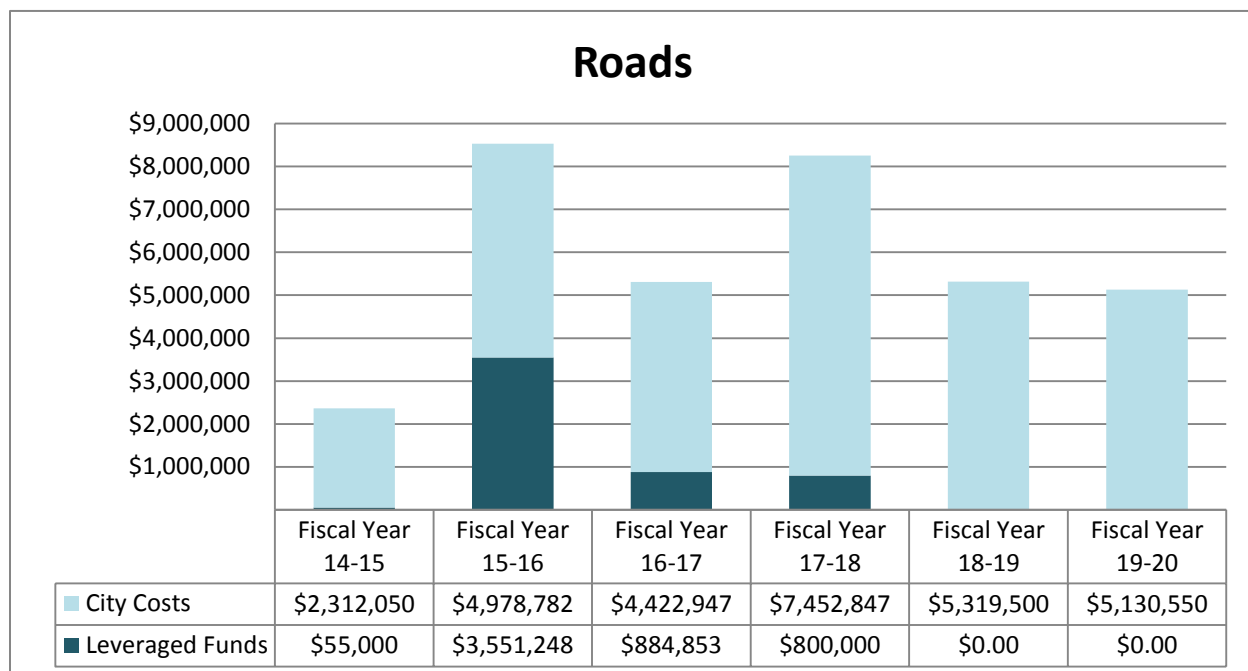
NOTE: The capital improvements that will be included in the proposed budget are restricted by the funds available. The Water & Sewer Fund is an Enterprise Fund, and therefore City Council does not formally adopt a budget for these projects.

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 |
| TOTAL BUDGET | | \$167,050 | | | | | | \$167,050 |

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 |
| TOTAL BUDGET | | | \$92,500 | \$1,038,800 | | | | \$1,131,300 |

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

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- | | \$195,300 | | | | | \$195,300 |
| Other/ROW | | | | | | | | |
| Construction | 204-000.00- | | \$3,222,280 | | | | | \$3,222,280 |
| TOTAL BUDGET | | | \$3,417,580 | | | | | \$3,417,580 |

Karim Blvd., Rehabilitation (PASER 4) Asphalt

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- | | \$114,200 | | | | | \$114,200 |
| Other/ROW | | | | | | | | |
| Construction | 202-000.00- | | \$548,300 | | | | | \$548,300 |
| TOTAL BUDGET | | | \$662,500 | | | | | \$662,500 |

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 |
| TOTAL BUDGET | | | \$890,200 | | | | | \$890,200 |

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 |
| TOTAL BUDGET | | | | \$407,375 | | | | \$407,375 |

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 |
| TOTAL BUDGET | | | | \$608,500 | | | | \$608,500 |

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 |
| TOTAL BUDGET | | | | \$1,153,125 | | | | \$1,153,125 |

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 |
| TOTAL BUDGET | | | | | \$554,550 | | | \$554,550 |

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 |
| TOTAL BUDGET | | | | | \$1,818,612 | | | \$1,818,612 |

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 |
| TOTAL BUDGET | | | | | \$131,100 | | | \$131,100 |

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 |
| TOTAL BUDGET | | | | | \$584,800 | | | \$584,800 |

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 |
| TOTAL BUDGET | | | | | | \$782,700 | | \$782,700 |

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 |
| TOTAL BUDGET | | | | | | \$665,800 | | \$665,800 |

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 |
| TOTAL BUDGET | | | | | | \$901,000 | | \$901,000 |

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 |
| TOTAL BUDGET | | | | | | | \$474,000 | \$474,000 |

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 |
| TOTAL BUDGET | | | | | | | \$321,840 | \$321,840 |

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 |
| TOTAL BUDGET | | | | | | | \$748,680 | \$748,680 |

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:

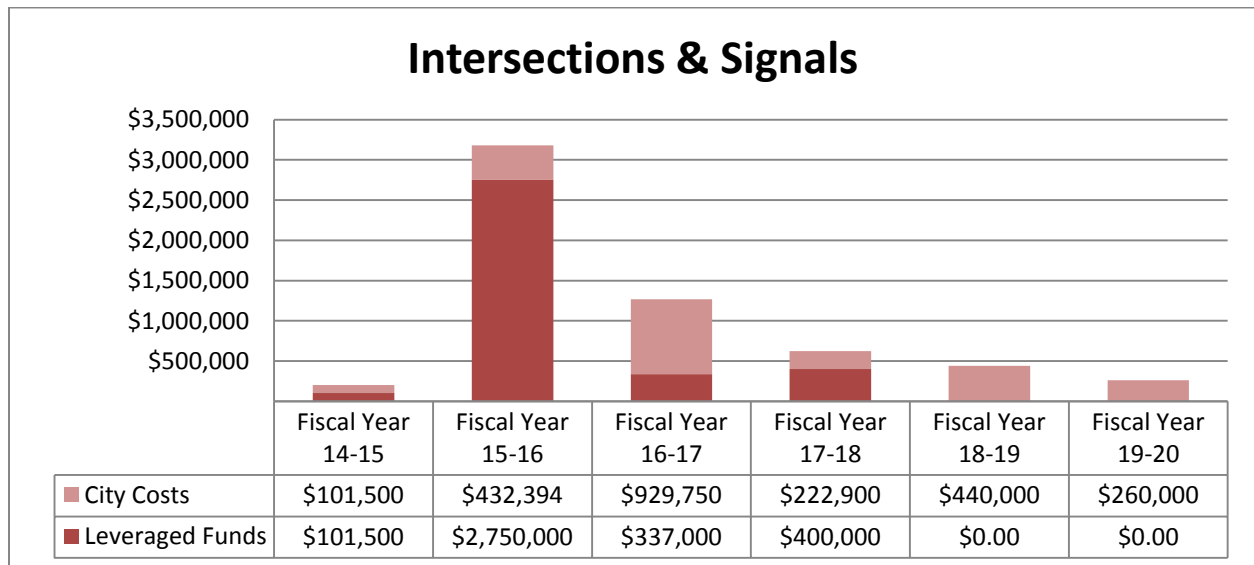
The road has a PASER rating of 5-8 and should be rehabilitated in order to keep the road in serviceable condition.

| 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 |
| TOTAL BUDGET | | | | | | | \$616,030 | \$616,030 |

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 |
| TOTAL BUDGET | | | \$82,394 | \$337,000 | | | | \$419,394 |

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 |
| TOTAL BUDGET | | | | \$875,750 | | | | \$875,750 |

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 |
| TOTAL BUDGET | | | | \$54,000 | \$622,900 | | | \$676,900 |

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 |
| TOTAL BUDGET | | | | | | \$215,000 | | \$215,000 |

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 |
| TOTAL BUDGET | | | | | | \$225,000 | | \$225,000 |

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:

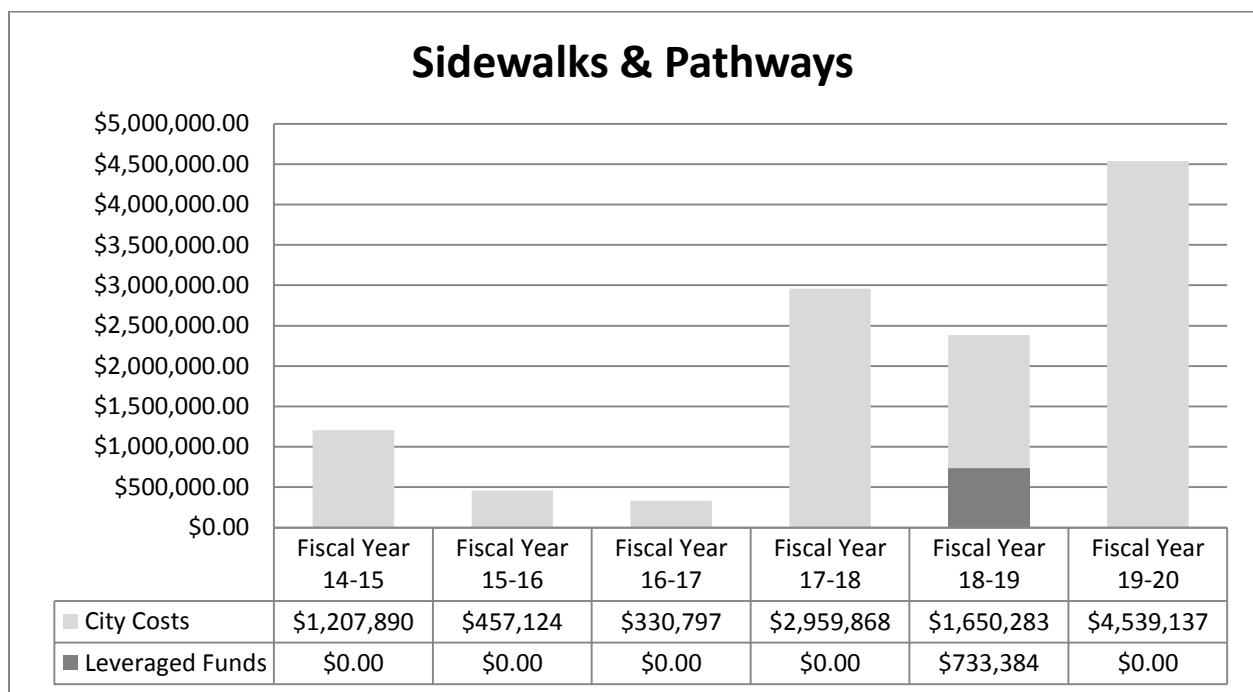
The equipment is approaching the end of its serviceable life

| 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 |
| TOTAL BUDGET | | | | | | | \$260,000 | \$260,000 |

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 |
| TOTAL BUDGET | | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$300,000 |

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 |
| TOTAL BUDGET | | \$406,100 | | | | | | \$406,100 |

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 |
| TOTAL BUDGET | | \$125,950 | | | | | | \$125,950 |

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 |
| TOTAL BUDGET | | \$30,560 | | | | | | \$30,560 |

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 |
| TOTAL BUDGET | | \$51,360 | | | | | | \$51,360 |

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 |
| TOTAL BUDGET | | \$99,250 | | | | | | \$99,250 |

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 |
| TOTAL BUDGET | | \$444,670 | | | | | | \$444,670 |

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 |
| TOTAL BUDGET | | | \$95,464 | | | | | \$95,464 |

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 |
| TOTAL BUDGET | | | \$94,400 | | | | | \$94,400 |

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 |
| TOTAL BUDGET | | | \$25,000 | | | | | \$25,000 |

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 |
| TOTAL BUDGET | | | \$161,330 | | | | | \$161,330 |

**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 |
| TOTAL BUDGET | | | \$30,930 | | | | | \$30,930 |

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 |
| TOTAL BUDGET | | | | \$46,410 | \$409,085 | | | \$455,495 |

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 |
| TOTAL BUDGET | | | | \$27,387 | | | | \$27,387 |

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 |
| TOTAL BUDGET | | | | \$81,000 | | | | \$81,000 |

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 |
| TOTAL BUDGET | | | | \$126,000 | \$609,260 | | | \$735,260 |

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 |
| TOTAL BUDGET | | | | | \$181,600 | | | \$181,600 |

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 |
| TOTAL BUDGET | | | | | \$100,800 | \$279,067 | \$239,900 | \$619,767 |

**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 |
| TOTAL BUDGET | | | | | \$37,050 | | | \$37,050 |

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 |
| TOTAL BUDGET | | | | | \$184,441 | | | \$184,441 |

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 |
| TOTAL BUDGET | | | | | \$288,770 | | | \$288,770 |

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 |
| TOTAL BUDGET | | | | | \$97,000 | \$1,021,730 | | \$1,118,730 |

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 |
| TOTAL BUDGET | | | | | \$63,550 | \$225,370 | | \$288,920 |

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 |
| TOTAL BUDGET | | | | | \$462,312 | | | \$462,312 |

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 |
| TOTAL BUDGET | | | | | \$476,000 | | | \$476,000 |

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 |
| TOTAL BUDGET | | | | | \$377,000 | | | \$377,000 |

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 |
| TOTAL BUDGET | | | | | | \$287,800 | | \$287,800 |

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 |
| TOTAL BUDGET | | | | | | \$142,700 | \$620,400 | \$763,100 |

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 |
| TOTAL BUDGET | | | | | | | \$178,302 | \$178,302 |

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 |
| TOTAL BUDGET | | | | | | | \$69,200 | \$69,200 |

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 |
| TOTAL BUDGET | | | | | | | \$451,850 | \$451,850 |

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 |
| TOTAL BUDGET | | | | | | | \$64,300 | \$64,300 |

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 |
| TOTAL BUDGET | | | | | | | \$795,013 | \$795,013 |

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:

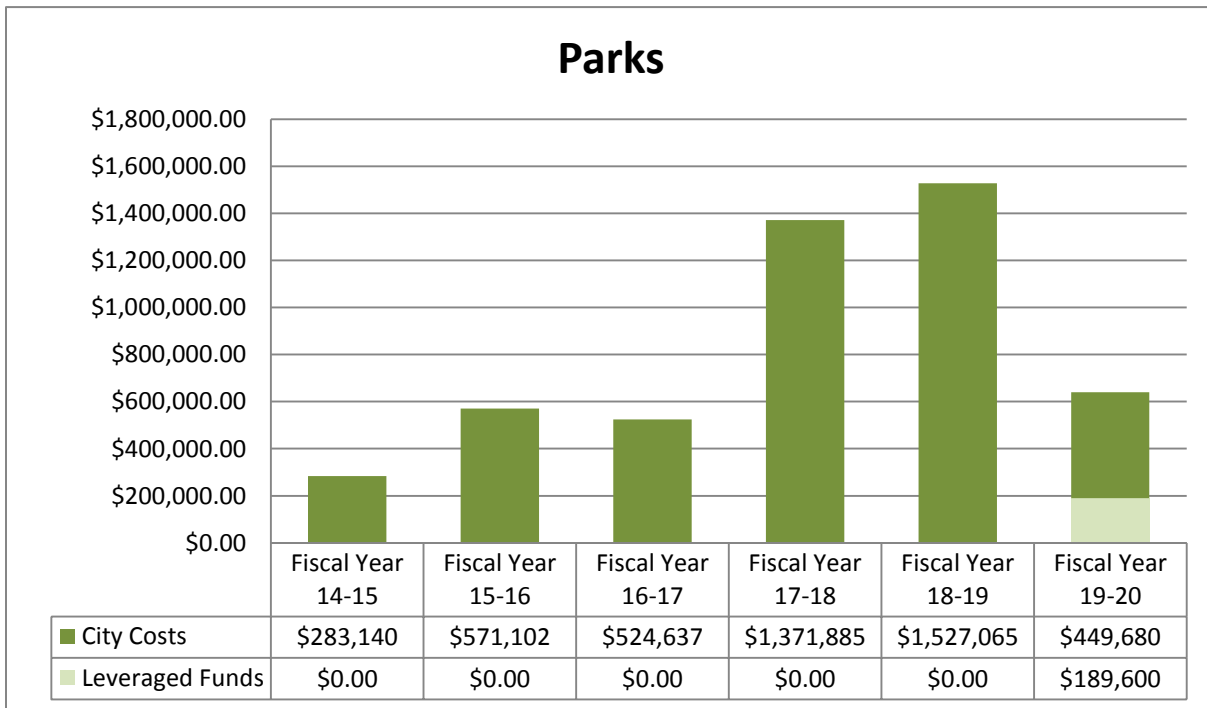
The bridge would provide a north-south connection for the City over I-96 and provide a link to the proposed regional trail network. Recommended by Non-Motorized Master Plan and the Novi Transportation Improvement Plan.

| 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 |
| TOTAL BUDGET | | | | | | | \$2,070,172 | \$2,070,172 |

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 |
| TOTAL BUDGET | | | \$445,552 | | | | | |

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 |
| TOTAL BUDGET | | | \$39,880 | | | | | \$39,880 |

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 |
| TOTAL BUDGET | | | \$85,670 | | | | | \$85,670 |

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 |
| TOTAL BUDGET | | | | \$85,000 | | | | \$85,000 |

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 |
| TOTAL BUDGET | | | | \$439,637 | | | | \$439,637 |

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 |
| TOTAL BUDGET | | | | | \$374,924 | | | \$374,924 |

Disc Golf Course at Power Park

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 |
| TOTAL BUDGET | | | | | \$73,100 | | | \$73,100 |

Wildlife Woods Trail

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 |
| TOTAL BUDGET | | | | | \$95,630 | | | \$95,630 |

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 |
| TOTAL BUDGET | | | | | | \$1,345,065 | | \$1,345,065 |

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 |
| TOTAL BUDGET | | | | | | \$182,000 | | \$182,000 |

**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 |
| Roads Total | | \$34,907,777 | \$29,616,676 | \$55,000 | \$2,312,050 | \$3,551,248 | \$4,978,782 | \$884,853 | \$4,422,947 | \$800,000 | \$7,452,847 | | \$5,319,500 | | \$5,130,550 |

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 |
| Intersections & Signals Total | | \$5,975,044 | \$2,386,544 | \$101,500 | \$101,500 | \$2,750,000 | \$432,394 | \$337,000 | \$929,750 | \$400,000 | \$222,900 | | \$440,000 | | \$260,000 |

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 | | \$161,330 | | | | \$161,330 | | | | | | | | | |
| 47 | Segment 10--Beck Road, East Side, South of Pontiac Trail, (5' foot Sidewalk Short Segment) Concrete | | \$30,930 | | | | \$30,930 | | | | | | | | | |
| 48 | Segment 9--Pontiac Trail, South Side (6' foot Sidewalk) Beck Road to West Park Drive | | \$455,495 | | | | | | \$46,410 | | \$409,085 | | | | | |
| 49 | Segment 127A--Novi Way, East Side (6' foot Sidewalk) Concrete | | \$27,387 | | | | | | \$27,387 | | | | | | | |
| 50 | Segment 53--Beck Road, West Side, (8' foot Pathway) 11 Mile Road to Kirkway Place | | \$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 |
| Sidewalks & Pathways Total | | | \$11,878,483 | \$11,145,099 | | \$1,207,890 | | \$457,124 | | \$330,797 | | \$2,959,868 | \$733,384 | \$1,650,283 | | \$4,539,137 |

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 |
| Storm Sewer & Drainage Total | | | \$4,966,181 | \$4,966,181 | | \$540,605 | | \$1,806,430 | | \$361,732 | | \$87,137 | | \$853,457 | | \$1,316,820 |

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 | | | | | | | | |
| Sanitary Sewer Total | | | \$1,144,000 | \$1,144,000 | | \$794,000 | | \$350,000 | | | | | | | | |

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 | | | | |
| Water Distribution Total | | \$5,128,500 | \$5,128,500 | | \$1,128,000 | | \$1,745,000 | | \$834,000 | | \$1,421,500 | | | | |

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

MEMORANDUM



TO: WALKABLE NOVI COMMITTEE
FROM: SARA ROEDIGER, AICP, PLANNER
SUBJECT: NON-MOTORIZED MASTER PLAN: THREE YEAR IMPLEMENTATION STATUS
DATE: MARCH 14, 2014

On February 28, 2011, the Novi City Council adopted the *City of Novi Non-Motorized Master Plan 2011*. This Plan presented a set of goals and implementation strategies that when substantially implemented will result in a physical and cultural environment that will support and encourage safe, convenient and comfortable ways to walk and bicycle throughout the community. Since the Plan was adopted three years ago, the City has implemented a substantial portion of the infrastructure, policy, public outreach and education goals and implementation strategies.

The implementation of the strategies has been the result of many efforts throughout the City's organization. Among those providing input and guidance have included City Administration, Department of Public Services, Parks, Recreation and Cultural Services, Community Development, Neighborhood and Business Relations, and the Police Department, as well as citizen members of boards and commissions, especially as represented through the Walkable Novi Committee.

The following outline summarizes the general categories of implementation strategies recommended in the plan. That is followed by a table that lists each implementation strategy along with an update on its progress and any additional comments.

1. Infrastructure

- a. Initial Investments
 - i. Complete Sidewalk Gaps
 - ii. Safety Concerns
 - iii. Critical Links
- b. Four Parallel Tasks
 - i. Major Corridor Development
 - ii. Neighborhood Connectors
 - iii. Sidewalk Gaps
 - iv. Construction Integration

2. Policy Recommendations

- a. Complete Streets
- b. ADA Compliance
- c. Safe Routes to Schools
- d. Bicycle Parking
- e. Maintenance of Non-motorized Facilities
- f. Sidewalk/Roadside Pathway Completion

3. Site Plan Review

4. Public Outreach and Education

- a. Establish the Program
- b. Build a Culture of Biking and Walking

| Non-Motorized Master Plan Implementation Status | | |
|---|---|---|
| Implementation Strategy | Progress | Comments |
| 1. Infrastructure | | |
| a. Initial Investments | | |
| i. Complete Sidewalk Gaps | | |
| 1. South side of 9 Mile between Meadowbrook & Haggerty (Segment 121) | Unlikely | Ranked 14 on Prioritization Worksheet, residents are opposed |
| 2. East side of Meadowbrook between 8 & 9 Mile (Segment 119) | 2018-19 CIP | Ranked 12 on Prioritization Worksheet |
| 3. North side of 9 Mile between Meadowbrook & Haggerty (Segment 83) | Completed 2011 | |
| 4. East side of Meadowbrook between 9 & 10 Mile (Segment 84) | 19-20 CIP | Ranked 16 on Prioritization Worksheet |
| 5. South side of 10 Mile between Meadowbrook & Haggerty (Segment 81) | 2017-18, 2018-19 & 2019-20 CIP | Ranked 1 on Prioritization Worksheet |
| 6. North side of 10 Mile east of Meadowbrook (Segment 80B) | Unlikely | Ranked 8 on Prioritization Worksheet, conditions make impossible unless redeveloped |
| 7. South side of 10 Mile between Meadowbrook & Novi Rd. (Segment 90) | 2018-19 CIP | Ranked 6 on Prioritization Worksheet |
| 8. East side of Novi Rd. between 10 Mile & Ice Arena (Segment 89) | 2014-15 CIP | Ranked 2 on Prioritization Worksheet |
| 9. West side of Novi Rd. between 9 & 10 Mile (Segment 92) | Completed 2013 | |
| 10. North side of 9 Mile between Novi Rd. & Taft (Segment 93) | 2017-18 & 2018-19 CIP | Ranked 11 on Prioritization Worksheet |
| 11. North side of 10 Mile between Novi Rd. & Taft (Segment 62) | 2015-16 CIP | Ranked 7 on Prioritization Worksheet |
| 12. West side of Haggerty between 12 Mile & I-696 (Segment 25) | | Ranked 44 on Prioritization Worksheet |
| 13. South side of 14 Mile between Maples of Novi Rd. & Haverhill Farm (Segment 129) | 2015-16 CIP | Ranked 20 on Prioritization Worksheet |
| 14. South side of 14 Mile between Haverhill Farm & M-5 Trail (Segment 1b) | | Ranked 29 on Prioritization Worksheet |
| 15. South side of 14 Mile, just west of Novi Rd. (Segment 4) | Completed 2013 | As part of Maple Manor development |
| 16. South side of 14 Mile, just east of East Lake Dr. (Segment 5) | 2019-20 CIP | Ranked 17 on Prioritization Worksheet |
| 17. South side of Pontiac Trail, west of West Park Dr. (Segment 9) | 2016-17 & 2017-18 CIP | Ranked 3 on Prioritization Worksheet |

| Non-Motorized Master Plan Implementation Status | | |
|--|-----------------------|---|
| Implementation Strategy | Progress | Comments |
| 18. West side of Beck, just north of Ten Mile (<i>Segment 55</i>) | Completed 2013 | As part of Valencia Estates development |
| 19. North side of 10 Mile, just west of Beck (<i>Segment 54</i>) | Completed 2013 | As part of Valencia Estates development |
| 20. South side of 10 Mile between Beck & Wixom Rd. (<i>Segment 99</i>) | 2017-18 CIP | Ranked 13 on Prioritization Worksheet |
| 21. East side of Napier between 12 Mile & Island Lake Dr. (<i>Segment 44</i>) | | Ranked 39 on Prioritization Worksheet |
| 22. South side of 12 Mile between Meadowbrook & Twelve Oaks Mall (<i>Segment 29</i>) | 2019-20 CIP | Ranked 68 on Prioritization Worksheet |
| 23. South side of 13 Mile between Old Novi & Martin (<i>Segment 15</i>) | Completed 2011 | |
| 24. South side of 13 Mile between Novi Rd. & Holmes (<i>Segment 16</i>) | Scheduled 2014 | Ranked 14 on Prioritization Worksheet |
| 25. West side of Wixom Rd. between 10 Mile & Island Lake (<i>Segment 48</i>) | Completed 2013 | As part of Island Lake development |
| 26. West side of Meadowbrook between 10 Mile & Grand River (<i>Segment 144</i>) | Completed 2012 | |
| ii. Safety Concerns (Road Crossing Improvements) | | |
| 1. The half-signals along the boulevard portion of 12 Mile, west of Novi Rd. | 2017-18 CIP | At Cabaret & Donelson Drives |
| 2. The intersection of Haggerty & Village Wood | Completed 2013 | |
| 3. South side of Pontiac Trail at Geisler Middle School | 2014-15 CIP | |
| 4. Convert bike lanes on South Lake Dr. to pedestrian use & install Shared-use arrows on the street | | |
| iii. Critical Links (Short Connecting Pathways) | | |
| 1. Link through Hickory Woods Elementary between Novi Rd. & East Lake Dr. (<i>NC-1</i>) | Scheduled 2014 | Staff is working with school to acquire easements |
| 2. Link connecting the neighborhood to the north through Brookfarm Park to Village Oaks Elementary (<i>NC-2</i>) | Completed 2012 | |
| 3. Link through park near Meadowbrook & Malott Dr. connecting the neighborhoods (<i>NC-3</i>) | Unlikely | Conservation easements on Orchard Hills West limit ability to construct |
| 4. Link connecting neighborhoods west of Meadowbrook between 10 Mile & Grand River (<i>NC-4</i>) | 2015-16 CIP | |

| Non-Motorized Master Plan Implementation Status | | |
|--|--------------------|---|
| Implementation Strategy | Progress | Comments |
| b. Parallel Tasks | | |
| i. Major Corridor Development | | |
| 1. Metro Connector | Ongoing | Phase 1: Construct Scheduled 2014 <ul style="list-style-type: none"> 10 ft. pathway along Meadowbrook from I-275 trail to 12 Mile, including improved pedestrian crossings at 12 Mile & Meadowbrook 2016-17 CIP <ul style="list-style-type: none"> Paved shoulders along Meadowbrook from I-96 to 12 Mile Phase 2: Design 2017-18 CIP, Construct 2018-19 CIP <ul style="list-style-type: none"> 10 ft. pathway along Meadowbrook from 12 to 13 Mile & 13 Mile from Meadowbrook to M-5 |
| a) Extend I-275 Metro Trail south (using 10' wide asphalt) to Bridge Street & provide crossing island on Meadowbrook | | |
| b) Construct 10' wide asphalt path along the west side of Meadowbrook between 11 Mile & 13 Mile | | |
| c) Construct 10' wide asphalt path along the north side of 13 Mile between Meadowbrook & the M-5 Metro Trail | | |
| d) Narrow the travel lanes to 11', pave 5-6' shoulder & stripe for bike lanes on Meadowbrook between 11 & 12 Mile | | |
| e) Add temporary shared lane markings & share the road signs to Meadowbrook between 12 Mile & 13 Mile until road is reconstructed & bike lanes are added | | |
| f) Improve pedestrian crossing at 12 Mile & Meadowbrook | | |
| g) Provide wayfinding signage to direct users from M-5 Trail to I-275 Trail | | |
| 2. Taft Corridor | | |
| a) Complete Sidewalk & Pathway Gaps along Taft | Ongoing | 2013 <ul style="list-style-type: none"> West side of Taft between Grand River & 11 Mile (Segment 36) |
| b) Add bike lanes along Taft by paving 5-6' wide shoulders & striping/signing | 2016-17 CIP | Bike lanes along Taft between 9 Mile & Grand River |
| c) Improve the Galway Dr. intersection with a Subdivision Intersection Design | | |
| d) Improve the Princeton/Byrne intersection with a Mid-Block Crossing and Rectangular Rapid Flash Beacon | | |
| e) Improve the Dunbarton Dr. intersection with a Subdivision Intersection Design | | |
| f) Improve the White Pine Dr. intersection with a Subdivision Compact Roundabout | | |

| Non-Motorized Master Plan Implementation Status | | |
|--|--------------------|---|
| Implementation Strategy | Progress | Comments |
| 2. Taft Corridor (continued) | | |
| g) Improve the Addington Ln. intersection with a Subdivision T-Intersection Design | | |
| h) Improve the Novi High School Entrances with a Subdivision T-Intersection Design | | |
| i) Improve the Emerald Forest Blvd intersection with a Subdivision T-Intersection Design | | |
| j) Improve the Jacob Dr. intersection with a Subdivision T-Intersection Design | 2015-16 CIP | Mid-block crossing |
| k) Construct 10' wide asphalt trail along Taft north of Grand River | | |
| l) Construct 10' wide asphalt trail along south side of I-96 corridor, utilize the existing CSX underpass to get under I-96, cross over the CSX railroad & continue the trail along the north side of I-96 along the ITC property connecting to Fountain Walk Dr. Crossing I-96 at the Railroad tunnel, may present some challenges, if so evaluate providing a separate non-motorized crossing at Taft & I-96 | Ongoing | <p>Completed Study 2012</p> <ul style="list-style-type: none"> OHM I-96 Pedestrian Study concluded that the CSX crossing not feasible, recommended crossing on west side of Novi Rd. <p>2019-20 CIP</p> <ul style="list-style-type: none"> Non-motorized bridge over I-96 |
| m) Extend sidewalk south along Cabaret Dr. to connect into proposed trail | | |
| n) Provide on-street bike route on Cabaret Dr. & Dixon Rd. | | |
| o) Include a Pedestrian Hybrid Beacon (HAWK) at 12 Mile /Cabaret Dr. Intersection | | |
| p) Construct 10' wide asphalt trail through Lakeshore Park to connect to Lakeshore Dr. (remain on high ground & avoid existing mountain bike trails as much as possible) | | |
| q) Include wayfinding signage along route to direct users: Cabaret & Dixon | | |

| Non-Motorized Master Plan Implementation Status | | |
|---|---------------------------------|---|
| Implementation Strategy | Progress | Comments |
| 3. 9 ½ Mile Neighborhood Greenway | | |
| a) Improve road crossing where the proposed route crosses Novi Rd. with a Compact Roundabout | | |
| b) Improve road crossing where the proposed route crosses Meadowbrook with a Crossing Island | | |
| c) Improve road crossing where the proposed route crosses Taft with a Compact Roundabout | | |
| d) Improve road crossing where the proposed route crosses Beck with a Subdivision T-Intersection Design | Construct Scheduled 2014 | Beck mid-block pedestrian crossing between Cheltenham & White Pines |
| e) Provide crossing of railroad near Novi Ice Arena, if unattainable, provide alternate route on 10 Mile by completing sidewalk gaps & providing at-grade railroad crossing | | |
| f) Obtain easements & build short 10' wide asphalt connector pathways | | |
| g) Provide traffic calming techniques on local neighborhood streets: Algonquin, Cheltenham, High Meadow, Jonathan, Little Falls, Village Wood, White Pines | | |
| h) Construct the south extension ITC Corridor Trail connecting 9 ½ Mile Neighborhood Greenway South to ITC Park & Maybury State Park | Ongoing | 2013 ▪ RCOC completed 8 Mile Mid-block crossing at Maybury State Park Phase 1A: Design Scheduled 2014, Construct 2015-16 CIP ▪ Southern 1.5 miles of 10 ft. pathway 2015-16 CIP Community Sports Park Pathway Resurfacing Community Sports Park Trail: 2016-17 CIP ▪ Community Sports Park Trail: 3,709 ft. trail in park Phase 1B: 2018-19 CIP ▪ 4.5 miles of 10 ft. pathway from 9 Mile to Fire Station 4 |
| i) Include wayfinding signage along route to direct users | | |

| Non-Motorized Master Plan Implementation Status | | |
|---|-----------------|---|
| Implementation Strategy | Progress | Comments |
| 4. Meadowbrook South of I-96 | | |
| a) Complete Sidewalk & Pathway Gaps along Meadowbrook south of I-96 | Ongoing | <p>Scheduled 2014</p> <ul style="list-style-type: none"> ▪ East side of Meadowbrook between I-96 bridge & Grand River (Segment 73 & 24) <p>2019-20 CIP</p> <ul style="list-style-type: none"> ▪ West side of Meadowbrook between 11 Mile & Gateway Village (Segment 70) |
| b) Add bike lanes along Meadowbrook by paving 5-6' wide shoulders & striping/signing | | |
| c) Improve the Chattman Dr. intersection with a Subdivision T-Intersection Design | | |
| d) Install Midblock Crossing Island between Marks Drive/Fawn Trail | | |
| e) Implement neighborhood connector route and include wayfinding signage along route to direct users | | |
| 5. I-96 Corridor | | |
| a) Build trail along north side of I-96 utilizing MDOT & ITC property | | |
| b) Provide trail crossing at Novi Rd. by improving existing intersection | | |
| c) Work with the adjacent landowners to provide access from the trail to the shopping centers | | |
| d) Provide trail crossing on Meadowbrook when sidewalk gaps along the west side of the road are complete | | |
| 6. 11 Mile/Beck/Providence Park Hospital/ Wild Woods Park | | |
| a) Complete Sidewalk & Pathway Gaps along 11 Mile | Ongoing | <p>2018-19 CIP</p> <ul style="list-style-type: none"> ▪ Non-motorized improvements along 11 Mile between Taft & Beck <p>2019-20 CIP</p> <ul style="list-style-type: none"> ▪ Non-motorized improvements along 11 Mile between Beck & Wixom |
| b) Provide Mid-block Crossings on 11 Mile where proposed neighborhood connector route intersects with 11 Mile | | |

| Non-Motorized Master Plan Implementation Status | | |
|--|---------------------------------|---|
| Implementation Strategy | Progress | Comments |
| 6. 11 Mile/Beck/Providence Park Hospital/ Wild Woods Park (continued) | | |
| c) Add Shared-use arrows on 11 Mile Road in the near-term until the shoulders are paved and bike lanes can be included | | |
| d) Complete Sidewalk & Pathway Gaps along Beck | Ongoing | 2016-17 CIP <ul style="list-style-type: none"> West side of Beck between Kirkway Place & 11 Mile (Segment 53) 2017-18 CIP <ul style="list-style-type: none"> West side of Beck between Providence & 11 Mile (Segment 39) |
| e) Provide Mid-block Crossings along Beck | | |
| f) Obtain easements from Providence Park Hospital to construct pathway between Wixom & Beck Rds. | Ongoing | Phase 3A: Completed 2013 <ul style="list-style-type: none"> Completed at part of Medilodge development Phase 3B: Construct, Scheduled 2014 <ul style="list-style-type: none"> City is working with Providence Hospital to construct the pathway as part of a proposed development Wildlife Woods Trail: 2017-18 CIP <ul style="list-style-type: none"> 10 ft. pathway to connect park to Phase 3A & B |
| 7. Wixom Rd./Undeveloped Park | | |
| a) Complete Sidewalk & Pathway Gaps along Wixom Rd. | Ongoing | 2013 <ul style="list-style-type: none"> East side of Wixom between Drakes Bay & 10 Mile as part of Island Lake development (Segment 50) |
| b) Provide Mid-block Crossings along Wixom Rd. | Construct Scheduled 2014 | Mid-block crossing as part of new traffic signal at Deerfield Elem. (Segment 133) |
| 8. Beck/West 12 Mile/West Park Dr./Off-road Trail | | |
| a) Complete Sidewalk & Pathway Gaps on west side of Beck | | |
| b) Add sidewalks to both sides of Beck/I-96 overpass | | |
| c) Improve road crossing at Beck & 12 Mile | | |
| d) Complete Sidewalk & Pathway Gaps along north side of 12 Mile | Ongoing | 2013 <ul style="list-style-type: none"> North side of 12 Mile between Cabot & M-5 as part of Starbucks development (Segment 19) |

| Non-Motorized Master Plan Implementation Status | | |
|--|---------------------------------|--|
| Implementation Strategy | Progress | Comments |
| 8. Beck/West 12 Mile/West Park Dr./Off-road Trail (continued) | | |
| e) Improve road crossing at West Park Dr. & West Rd. | | |
| f) Build 10' shared use path along city owned property north of West Rd. | | |
| g) Provide bike route along Portside Dr. to connect to Pontiac Trail | | |
| 9. Lakeshore Park/13 Mile | | |
| a) Add 10' shared use path through north side of Lakeshore Park paralleling South Lake Rd. | | |
| b) Complete Sidewalk & Pathway Gaps along 13 Mile | Construct Scheduled 2014 | South side of 13 Mile between Sunshine & Holmes (Segment 16) |
| c) Add Bike Lanes to 13 Mile through road conversions & paving the shoulders | 2017-18 CIP | Bike lanes along 13 Mile between Novi Rd. & Meadowbrook |
| 10. ITC Corridor – North Extension | | |
| a) Obtain easement & construct off-road trail along ITC corridor | | |
| b) Obtain easement to construct off-road trail along the west edge of Providence Park Hospital where ITC property stops | | |
| c) Improve road crossing on Grand River | | |
| d) Work with Wixom to continue trail extension northwest through the Beck/I-96 Interchange to Lyon Oaks Park | | |
| ii. Neighborhood Connectors (UPDATE: In 2013 City Council adopted a policy to limit guide signs to arterial roads only, thereby limiting implementation of wayfinding & signage along local/neighborhood streets as recommended in the plan) | | |
| 1. Near-term Neighborhood Connectors | | |
| As depicted on the map on portions of the following streets: 11 Mile, Addington, Bethany, Brenda, Cavendish, Center, Cherry Hill, Christina, Cider Mill, Clark, Clermont, Congress, Emerald Forest, Flint, Galway, Heatherbrae, Hickory Grove, Jaslyn, Joseph, Kerri, Main, Marks, Meridian, Moorsgate, Potomac, Ripple Creek, Riverview, Scarborough, Seeley, Simmons, Sullivan, Sussex, Thatcher, & Westmont | | |
| a) Build short connector pathways through existing ROW & city owned property | Ongoing | 2013 Signs installed at Taft & 10 Mile, Taft & Emerald Forest, & Beck & Cider Mill |
| b) Provide wayfinding & signage along near-term routes | | |
| c) Implement traffic calming elements along near-term routes | | |
| d) Implement road crossing improvements where near-term neighborhood connector routes cross a major road | | |

| Non-Motorized Master Plan Implementation Status | | |
|---|----------|----------|
| Implementation Strategy | Progress | Comments |
| 2. Mid-term Neighborhood Connectors As depicted on the map on portions of the following streets: 11 Mile, Antler, Arcadia, Balcombe, Bristol Circle, Brownstone, Center, Charlemagne, Chase, Drakes Bay, Ennishore, Garfield, Hampton Hill, Hemingway, Independence, Island Lake, Market, Midway, Montmorency, Plateau, Quince, Reindeer, Ridge, Silvery, Steinbeck Glen, Tamara, Town Center, Twelve Oaks, Waverly & Wolf | | |
| a) Build short connector pathways through existing ROW & city owned property b) Obtain easements to build short connector pathways through private owned property c) Provide wayfinding & signage along mid-term routes d) Implement traffic calming elements along mid-term routes e) Implement road crossing improvements where mid-term neighborhood connector routes cross a major road | Ongoing | |
| 3. Long-term Neighborhood Connectors As depicted on the map on portions of the following streets: 12 Mile, 12 1/2 Mile, Albert, Amy, Applebrooke, Brompton, Cider Mill, Collingdale, Deer Run, Delmont, Galway, Hillside, Independence, Kingsley, Kingswood, Knightsbridge, Ladene, Laurel, Mondavi, Nantucket, Orchard Hill, Roberts, Rochester, Sandpiper, Sandstone, Savoie, Sleepy Hollow, Sunday, Terra Del Mar, Torino, Whispering, Woodworth | | |
| a) Obtain easements to build short connector pathways through private owned property b) Provide wayfinding & signage along long-term routes c) Implement traffic calming elements along long-term routes d) Implement road crossing improvements where long-term neighborhood connector routes cross a major road e) If there is enough demand consider paving the pathways through Rotary Park f) Build unpaved pathway along ITC corridor if allowable and eventually if there is demand consider paving the trail | Ongoing | |

| Non-Motorized Master Plan Implementation Status | | |
|---|---|--|
| Implementation Strategy | Progress | Comments |
| iii. Sidewalk Gaps | | |
| 1. Sidewalk gaps not addressed by previous recommendations should be put into the Sidewalk & Pathway Prioritization Analysis & Process to determine when they should be implemented | Annually, Walkable Novi Committee conducts Non-Motorized Prioritization | <p>2012</p> <ul style="list-style-type: none"> ▪ East side of Novi Rd. between Grand River & 10 Mile (<i>Segment 65</i>) ▪ West side of Novi Rd. between West Oaks & I-96 (<i>Segment 32c</i>) ▪ West side of Novi Rd. between Pine Ridge Center & Novi Cemetery (<i>Segment 61</i>) ▪ North side of 10 Mile between Brookhaven Subdivision & railroad (<i>Segment 145b</i>) <p>2013</p> <ul style="list-style-type: none"> ▪ North side of 10 Mile between Catherine Industrial & railroad (<i>Part of Segment 145</i>) ▪ West side of Meadowbrook between 12 Mile & bridge as part of South University development (<i>Part of Segment 30</i>) ▪ West side of Novi Rd. between I-96 & Crescent as part of Crescent Place development (<i>Part of Segment 33</i>) ▪ South side of 12 Mile between City limits & Albert as part of Andelina Ridge development (<i>Part of Segment 45</i>) ▪ North side of 10 Mile between Wixom & Dinser as part of Island Lake development (<i>Segment 51</i>) ▪ North side of Grand River between Town Center & Amstaff bldg. as part of Advanced Auto development (<i>Part of Segment 72</i>) <p>2014-15 CIP</p> <ul style="list-style-type: none"> ▪ North side of Grand River, east of Seeley (<i>Segment 76</i>) ▪ North side of 10 Mile, west of RR (<i>Segment 145</i>) |

| Non-Motorized Master Plan Implementation Status | | |
|---|--|---|
| Implementation Strategy | Progress | Comments |
| <p><i>(continued)</i></p> <p>1. Sidewalk gaps not addressed by previous recommendations should be put into the Sidewalk & Pathway Prioritization Analysis & Process to determine when they should be implemented</p> | <p>Annually, Walkable Novi Committee conducts Non-Motorized Prioritization</p> | <p>2014-15 CIP <i>(continued)</i></p> <ul style="list-style-type: none"> ▪ North side of 8 Mile, between Garfield & Beck (<i>Segment 109</i>) ▪ North & south side of 11 Mile between Town Center & Meadowbrook (<i>Segments 27 & 69</i>) <p>2015-16 CIP</p> <ul style="list-style-type: none"> ▪ East side of Beck, south of Pontiac Trail (<i>Segment 10</i>) <p>2016-17 CIP</p> <ul style="list-style-type: none"> ▪ East side of Novi Way (<i>Segment 127A</i>) <p>2017-18 CIP</p> <ul style="list-style-type: none"> ▪ North side of 10 Mile, between Dinser & Woodham (<i>Segment 51</i>) ▪ North side of 8 Mile, between Garfield & Napier (<i>Segment 105</i>) ▪ South side of 10 Mile, between Pheasant Run & Quince (<i>Segment 154</i>) <p>2019-20 CIP</p> <ul style="list-style-type: none"> ▪ North side of 9 Mile, between Novi Rd. & RR (<i>Segment 88</i>) |
| iv. Construction Integration | | |
| <p>1. Add bike lanes along arterial & collector roads that were not addressed in the previous tasks, many of the roads have potential to add a paved shoulder to obtain bike lanes, however, due to the fluctuation in the number of lanes at intersections & curbs that occur in numerous places along the roadway a simple paving of the shoulder may not be as simple as it seems & it may be more feasible to wait until the road is reconstructed to pave the shoulders & add bike lanes</p> | <p>Ongoing</p> | <p>2013</p> <ul style="list-style-type: none"> ▪ Bike lanes along 8 Mile between Beck & Napier <p>2014-15 CIP</p> <ul style="list-style-type: none"> ▪ Bike lanes along West between West Park & City Limits <p>2016-17 CIP</p> <ul style="list-style-type: none"> ▪ Bike lanes along Beck between 8 & 9 Mile |

| Non-Motorized Master Plan Implementation Status | | |
|--|---|--|
| Implementation Strategy | Progress | Comments |
| 2. Meadowbrook between 10 Mile & 8 Mile may be the best candidate to attempt a near-term bike lane conversion by paving the shoulder & narrowing the traffic lanes & improving the subdivision entrances similar to Taft | | |
| 3. Novi Rd. between 13 Mile & 14 Mile may be a candidate for a near-term bike lane by converting it to a 3 lane road with a median where there are no turning movements | | |
| 4. Add sidewalks & bike lanes to Novi Rd./I-96 interchange | <i>Design 2018-19 CIP Construct 2019-20 CIP</i> | Sidewalk along west side from Crescent Blvd to West Oaks |
| 5. Add bike lanes to Beck/I-96 interchange | | |
| 6. If CSX railroad becomes abandoned there may be potential to build a rail-trail along corridor | | |
| Construction Integration not specifically recommended in the Plan, but that improves the non-motorized environment in the City | Ongoing | <p>2011</p> <ul style="list-style-type: none"> ▪ Crossing improvements at Old Novi & South Lake <p>2012</p> <ul style="list-style-type: none"> ▪ 4 ft. paved shoulders along both sides of Beck between 9 Mile & Cheltenham ▪ Several missing sections of sidewalk in the Autumn Park Subdivision near the Thornton Basin ▪ Sidewalk on the south side of West Oaks from Donelson to parking lot ▪ Mid-block crossing at 9 Mile & Sunrise <p>Scheduled 2014</p> <ul style="list-style-type: none"> ▪ Sidewalk on Willowbrook bridge <p>2015-16 CIP</p> <ul style="list-style-type: none"> ▪ Construct sidewalk gaps along Karim Blvd. |

| Non-Motorized Master Plan Implementation Status | | |
|---|-----------------------|--|
| Implementation Strategy | Progress | Comments |
| <p><i>(continued)</i> Construction Integration not specifically recommended in the Plan, but that improves the non-motorized environment in the City</p> | Ongoing | <p>2016-17 CIP</p> <ul style="list-style-type: none"> ▪ Improved pedestrian connections as part of 11 Mile & Wixom Rd. roundabout <p>2018-19 CIP</p> <ul style="list-style-type: none"> ▪ Improved pedestrian connections as part of 9 Mile & Beck signal modernization <p>2019-20 CIP</p> <ul style="list-style-type: none"> ▪ Improved pedestrian connections as part of 13 Mile & Novi Rd. signal modernization ▪ Sidewalks along both sides Jo Dr. ▪ Non-motorized improvements along West Park between West & Pontiac Trail |
| 2. Policy Recommendations | | |
| a. Complete Streets | | |
| 1. Adopt the Non-motorized Transportation Plan | Completed 2011 | |
| 2. Draft a Complete Streets Policy that address the 10 key elements as defined by the National Complete Streets Coalition & that clearly defines the responsible authorities | Completed 2010 | |
| 3. Adopt a Complete Streets Policy | Completed 2010 | |
| 4. Develop 5-year non-motorized improvement plan (based on the Non-Motorized Master Plan) | Completed 2010 | As part of the CIP, the City developed a 6- year non-motorized improvement plan based on the Non-Motorized Master Plan |
| 5. Meet with MDOT & RCOC to review 5-year plan as it relates to facilities under their jurisdiction | Ongoing | |
| 6. Implement recommended operations procedures | Underway | Engineering Division is working on ordinance amendments & revising the City's engineering design standards to implement the Non-Motorized Master Plan & Complete Streets policy recommendations |
| 7. Establish performance measures | | |
| 8. Begin data collection | | |
| 9. Build a reference library of current best practices | | |
| 10. Establish professional staff training program | | |
| 11. Identify City standard plans & details that need to be revised | | |
| 12. Begin revising standard plans & details | | |

| Non-Motorized Master Plan Implementation Status | | |
|--|-----------------------|--|
| Implementation Strategy | Progress | Comments |
| 13. Complete update of standard plans & details | | |
| 14. Evaluate progress | | |
| b. ADA Compliance | | |
| 1. Establish an interim transition complaint based transition plan | Completed 2011 | City Council adopted a ADA Transition Plan prepared by the City's Consulting Engineer, Giffels-Webster |
| 2. Designate an ADA coordinator | Completed 2011 | The DPS has designated Ben Croy as the ADA coordinator |
| 3. Have an inventory based transition plan in place | Completed 2011 | As part of the ADA Transition Plan, Giffels-Webster inventoried curb ramp conditions throughout the City |
| 4. Integrate the transition plan into the capital improvement plan | Annually | ADA improvements are included as a budget item in the CIP |
| 5. Complete the inventory of physical barriers | Completed 2011 | As part of the ADA Transition Plan, Giffels-Webster inventoried curb ramp conditions throughout the City |
| 6. Have made substantial progress in removing barriers in the most highly traveled corridors | Ongoing | <p>2011</p> <ul style="list-style-type: none"> ▪ Wixom & Island Lake & entrance to Deerfield Elementary <p>2012</p> <ul style="list-style-type: none"> ▪ 13 Mile & Meadowbrook ▪ Meadowbrook & Brownstone at the school ▪ Grand River near Seeley ▪ 9 Mile (multiple locations between Meadowbrook & Beck) ▪ Novi Rd. (multiple locations between Crescent & 12 Mile) ▪ Multiple locations including White Pines & Autumn Park (Neighborhood Roads Program) <p>2013</p> <ul style="list-style-type: none"> ▪ Novi & Little Falls Blvd |

| Non-Motorized Master Plan Implementation Status | | |
|--|-----------------|---|
| Implementation Strategy | Progress | Comments |
| <p><i>(continued)</i></p> <p>6. Have made substantial progress in removing barriers in the most highly traveled corridors</p> | Ongoing | <ul style="list-style-type: none"> ▪ Novi & Citation ▪ Novi Pathway Project (multiple locations between 9 & 10 Mile) ▪ Civic Center ramps in the front & rear lots ▪ Novi , Old Novi & Sandstone ▪ Multiple locations in Barclay Estates, Cedar Springs, & Meadowbrook Glens (Neighborhood Roads Program) |
| c. Safe Routes to Schools | | |
| 1. Develop maintenance standards as well as fix defects & gaps in public sidewalk system adjoining school sites | Ongoing | <ul style="list-style-type: none"> ▪ Many of these recommendations fall underneath the jurisdiction of the various school districts, however the City has contacted them & will continue to identify key people at the local school districts to discuss working with them on SR2S programs ▪ The City's Traffic Safety Committee continues to work with local school districts on school safety issues |
| 2. Consider the safest routes to school for children when adjusting school boundaries | | |
| 3. Develop a cost-share policy for the construction & maintenance on pathways that are part of the City's Non-motorized System & traverse school property | | |
| 4. Develop a strategic implementation plan for pathways & trails that are part of the City's Non-motorized System that traverse school property | | |
| 5. Continue to enhance a system of accountability for responding to & correcting safety concerns along routes to school & other problems identified through these programs | | |
| 6. Continue to promote & initiate with the school system & parents Walk-to-School Day events, "walking school bus" programs, "Safe Routes to School" programs, & walkability audits in conjunction with the state-wide program | | |
| 7. Perform formal evaluations of how pedestrians & bicyclists are accommodated to all school grounds & prepare action plans to address deficiencies | | |
| 8. Encourage walking & bicycling to school as a part of the physical education & well-being of the students | | |

| Non-Motorized Master Plan Implementation Status | | |
|--|-----------------------|--|
| Implementation Strategy | Progress | Comments |
| 9. Try to eliminate the need for all "Safety Busing" by remedying the hazards that currently warrant the safety busing | | |
| 10. Evaluate all individual school & district wide policies regarding bicycling to school & amend policies that discourage bicycling | | |
| 11. Encourage residential infill projects within walking distance of schools | | |
| d. Bicycle Parking | | |
| 1. Update the City code to include bicycle parking requirements & design standards | Completed 2013 | |
| 2. Implement the bicycle parking requirements & design standards | Ongoing | |
| e. Maintenance of Non-motorized Facilities | | |
| 1. Develop a multi-year maintenance schedule as part of the annual striping program for updating signs & refreshing pavement markings on Trails & Bike Routes to maintain high contrast & visibility & help bicyclist & pedestrians navigate | Ongoing | <ul style="list-style-type: none"> ▪ GIS & DPS staff have inventoried sidewalks & initiated a computerized asset management system (City Works) to track installation & maintenance of public sidewalks & pathways ▪ DPS staff have had internal discussions regarding how to implement & fund a set of sidewalk maintenance policies for those non-motorized facilities for which it is responsible |
| 2. Develop a citywide inspection program to identify & cite hazardous sidewalks | | |
| 3. Develop a comprehensive citywide asset management for entire system that addresses regular inspections, preventative maintenance & ADA issues | | |
| 4. Establish a dedicated website form for non-motorized service requests | | |
| 5. Develop an educational campaign encouraging property owners to clear curb ramps & bus stops when shoveling their sidewalks | | |
| 6. Establish a policy for maintenance & snow removal of crossing islands | | |
| 7. Establish a policy to integrate all of the non-motorized facilities that are part of the Network Plan into the current snow removal program | Ongoing | City Council amended the City's sidewalk snow clearing policy to increase the number of miles from 19.3 miles to 22.6 miles cleared |

| Non-Motorized Master Plan Implementation Status | | |
|---|-----------------|---|
| Implementation Strategy | Progress | Comments |
| 8. Determine if additional means are necessary to develop a program that provides maintenance contact information, such as stickers or signs to be placed on pedestrian signals | | |
| 9. Assess the effectiveness of the efforts of the code compliance staff to enforce the existing snow removal ordinance on privately owned hard surfaced sidewalks & pathways, specifically on local roads & private drives. If necessary, develop a program to assure snow removal from privately owned sidewalks & pathways along Arterials & Collectors | | |
| 10. Designate or hire additional staff & assign responsibility for clearing & maintaining crossing islands, shared-use trails & off-road pathways of snow & ice | | |
| 11. Develop a program that monitors the condition of sidewalks along Arterials & Collectors on a yearly basis | | |
| 12. Establish a maintenance hot-line & website for non-motorized issues (this may be integrated with other maintenance hot-lines) & place a sticker with this hotline number & website address at locations around town including at all pedestrian activated signals | | |
| f. Sidewalk/Roadside Pathway Completion | | |
| 1. Establish a committee to update the City code based on the recommendations within this report | | In August 2012, the voters passed a ballot initiative to increase the road millage, resulting in almost double the revenue going into the municipal street fund |
| 2. Establish the process for neighborhoods to complete their sidewalk system | | Staff has discussed the possibility of requiring completion of sidewalks in single family home residential developments prior to build-out to provide complete sidewalk networks earlier in the development process |
| 3. Update the City's Pathway and Sidewalk Prioritization Analysis and Process & track its progress | Annually | |

| Non-Motorized Master Plan Implementation Status | | |
|---|-------------------------|---|
| Implementation Strategy | Progress | Comments |
| 3. Site Plan Review | | |
| a. Update Zoning Ordinance site design regulations to create places that foster safe & efficient non-motorized transportation on site & through convenient connections to the external system | <i>Anticipated 2014</i> | Draft regulations underway |
| b. Develop a site design checklist that ensures non-motorized transportation is adequately addressed during site plan review | | |
| 4. Public Outreach & Education | | |
| a. Establish the Program | | |
| 1. City administration should determine the home of the city's biking & walking outreach & education program, P&R may be a natural location should additional resources be provided | | Novi's Older Adult Services Office established a Novi Walkers Club to hold organized walks |
| 2. Establish a Bicycling & Walking Task Force to help shape, produce & guide the outreach & education efforts | Completed 2007 | Walkable Novi Committee |
| 3. Establish a brand for the bicycling & walking outreach & education program | Ongoing | |
| 4. Create a Facebook & Twitter presence for the outreach & education effort | Ongoing | <ul style="list-style-type: none"> ▪ As part of City's Facebook & Twitter accounts ▪ A bicycle safety video was added to the City's website |
| 5. Establish partnerships with experienced bicycling & walking organizations such as Michigan Trails & Greenways Alliance, Michigan Mountain Biking Alliance & League of Michigan Bicyclists | Ongoing | The City continues to support & provide services for a variety of mountain bike & trail run competitions at Lakeshore Park |
| 6. Apply for grants to fund a part-time coordinator for the outreach & education program & related tools & materials like website development, printed materials & events promotion | | |
| 7. Begin tying active transportation messages & information into existing events such as organized runs, mountain bike events at Lakeshore Park, summer athletic leagues, the Farmers Market, & Novipalooza | Ongoing | Multiple: Memorial Day parade, 5K Emergency Run, Family Bike Event (Digital Detox Week) |
| 8. Produce one stand-alone bicycling event | Annually | Bike Rodeo, started in 2012 |

| Non-Motorized Master Plan Implementation Status | | |
|---|-----------------------|---|
| Implementation Strategy | Progress | Comments |
| 9. Measure the miles of existing non-motorized facilities in the city | Ongoing | City's GIS Division maps existing & proposed facilities |
| 10. Participate in the National Bicycle & Pedestrian Documentation Project | | |
| b. Build a Culture of Biking & Walking | | |
| 1. Establish a biking & walking ambassador program within the Youth Police Academy | | |
| 2. Establish third grade bicycling & walking education programs as a prerequisite for riding to school in 4th grade | | |
| 3. Deploy crosswalk stings at targeted pedestrian crossings | | |
| 4. "Ticket" children who are wearing bicycling helmets | | |
| 5. Produce a community bicycle map | Completed 2013 | |
| 6. Host Bike to Work Week | Annually | Started in 2012 |
| 7. Produce a larger bicycling event | | |
| 8. Survey residents' attitudes towards biking & walking efforts | | |
| 9. Participate in the National Bicycle & Pedestrian Documentation Project | | |
| 10. Apply for the League of American Bicyclists' Bicycle Friendly Community status & the state's Promoting Active Communities award | Completed 2013 | Waiting to hear back on Bicycle Friendly application |

- C. Victor Cardenas, Interim City Manager
 Charles Boulard, Community Development Director
 Barb McBeth, Community Development Deputy Director
 Rob Hayes, Director of Public Services
 Brian Coburn, Engineering Manager
 Jason Mangum, Director of Parks, Recreation and Cultural Services
 Sheryl Walsh, Director of Communications

STAFF REPORT

Help celebrate National Bike Month by biking to work during the week of May 12-16 or by participating in one of the following cycling events



RIDE NOVI



Monday, May 12: 6-8pm  Bike Rodeo: Novi Civic Center Campus

The Bike Rodeo is a free event geared for kids five to 12 years old. Members of the Novi Police Department will be on hand and stations include safety, a bounce house, trivia and more. Goodie bags provided. Bring a bike and helmet.

Tuesday, May 13: 6:30-8:30pm  Novi Nights Group Rides: Lakeshore Park

Novi Nights is a beginner-friendly, no drop ride through Lakeshore Park's mountain bike trails hosted by Motor City Mountain Biking Association. Each Tuesday evening at 6:30 (weather permitting) near the trailhead kiosk. All skill levels welcome! Riders often enjoy post-ride drinks and food at the nearby Lakeview Bar and Grill, overlooking beautiful Walled Lake.

Wednesday, May 14: 7:45am  Ride Your Bike To Work & Lunch Day

Everyone is encouraged to bike to work. Meet in front of Performance Bike at **7:45am** for a group photo. Shirts provided to those who pre-register to ride by contacting Community Relations at 248.347.0416 by May 9. We will also be riding to a local restaurant for lunch, meet at the Civic Center at 11:45am.

Thursday, May 15: 11:30am  Bike Safety Lunch & Learn: PD Training Center

Learn the rules of the road, safety suggestions, maintenance and proper bike selection. Not sure where to ride? We'll cover that too! Presented by Novi Police Bike Patrol and Performance Bike. Pre-register by contacting Community Relations at 248.347.0416 by May 12. Sub lunch included.

Monday, May 26: 9:30 am  Memorial Day— Bike Parade

You and your kids can be a part of the Memorial Day Parade by decorating your bicycles and meeting at the Holly Hill Plaza (Ten Mile Road, east of Haggerty Road).

For more information about biking paths, safety tips, non-motorized plans and more, please visit cityofnovi.org



Ride Novi Week



Ride Novi Week Monday, May 12 – Friday, May 16



In partnership with the Motor City Mountain Biking Association, and in conjunction with National Bike Month in the United States, the City of Novi will be hosting and promoting a week long set of events to promote biking in

Novi! The tentative schedule is as follows:
Monday May 12 @ 6pm: Bike Rodeo at the Novi Civic Center
Tuesday May 13: Novi Nights Group Ride at Lakeshore Park with MCMBA
Wednesday May 14: Group ride to/from work & Lunch
Thursday May 15: Bike Safety & Maintenance Lunch & Learn
Friday May 16: Ride to Park Day

Target Market

Families, bike enthusiasts, and children.

Exposure

Thousands of people will be made aware of the week through posters, banners, and t-shirts as well as media coverage.

Time Frame

Publicity begins in April and runs until program date.

Event Highlights

Bike Rodeo

Children will learn what it takes to ride a bike a fun way! Highlights include safety stations, a bounce house with safety trivia, and a visit from the Novi Police Department.

Novi Nights Group Ride @ Lakeshore Park

Hosted by Motor City Mountain Biking, this ride takes you through the trails of Lakeshore Park. Participants will go at their own speed, and have a great time!

Bike to Work & Bike to Lunch

The Citizens of Novi will be encouraged to Bike to Work and Bike to Lunch on certain days to promote fitness and local business.

Bike Safety & Maintenance Lunch and Learn

In conjunction with Novi Police and local bike professionals, there will be a lunch opportunity to check your bike and receive maintenance tips.

Ride to Park Day

The citizens will be encouraged to ride to their local park!

Sponsorship Opportunities

Presenting Sponsor - \$1000

- Exclusive Presenting Sponsor with first right of refusal the following year.
- Will be recognized in the name of the event. "Bike Week in Novi, presented by".
- Recognized partner in all promotional media.
- Business logo and link placed with event promotion on City of Novi website
- Logo on event T-Shirt
- Logo on promotional banner
- Volunteer Opportunities at Bike Rodeo
- Two company provided banners at the Bike Rodeo, the Group Ride, and the Lunch and Learn.

Associate Sponsor: \$500

- Business logo placed with event promotion on City of Novi website
- Included in all event signage promotion and signage at the event highlights
- Logo on event T-Shirt
- Logo on promotional banner
- Volunteer Opportunities at the Bike Rodeo
- One company provided banner at the Bike Rodeo, the Group Ride, and the Lunch and Learn.

Supporting Sponsor: \$250

- Included on signage at the event highlights
- Listed on event T-Shirt
- Volunteer opportunities during the week



For more information, please contact: Greg Morris, Recreation Supervisor

248.347.0400 | gmorris@cityofnovi.org | Novi Parks | 45175 W. Ten Mile Road | Novi, MI 48375

Roediger, Sara

Subject: 2014 MAP Transportation Bonanza Take Aways

I had the pleasure of attending the MAP Transportation Bonanza in Lansing earlier this month, and found it to be very interesting for our non-motorized planning efforts. What is unique about this conference, is that it is put on by planners, but I would say the majority of attendees were made up of MDOT and engineers.

Lots of promotion of the Safe Routes to School program, I wish we had a champion at one of our schools who we could work with to take this on.

Interesting/Key Take Aways:

Meg Thomas, *Safe Routes to School Director*

“Walking/biking to school uses energy that when driven kids don't get to use, which can cause discipline problems in school, more time in principal's office =less learning, therefore walking/biking to school improves education!”

Karena Ricks, *Nelson Nygaard*

Strategic Engagement, Smooth Transition

1. Increased time in auto makes us fat & angry, increases aggression. More time in car has bad effects.
2. MDOT vision complete streets: economic benefit & improved quality of life, yet only 2 counties have adopted (Way to go RCOC!)
3. Seniors choose access by proximity over access by mobility. Seniors increased public transit use by 40% in last decade
4. Millenials: 80% have texted in last 60 minutes (no matter the time). 83% sleep with cell. Over 1/4 don't have license. 88% want to live in an urban setting. Commute time & sidewalks two most important residential selectors
5. Treat all people with respect & dignity...bicyclists, peds, transit
6. Slow down...45 mph, humans can go 22 mph max. & generally aren't comfortable being in close proximity to things going faster than that
7. Don't blame the engineers most places can't have corner store due to segregated land uses. increase densities for single family, allow accessory units
8. Try before u buy. Temporary paint & bollards pilot, get feedback, 3 months is what it takes for people to adjust habits

Kim Wiley Schwartz, NYC

Max Opportunities for Safe & Active Trans http://planningmi.org/downloads/maximizing_opportunities.pdf

<http://www.nyc.gov/html/dot/downloads/pdf/dot-making-safer-streets.pdf>

1. Pedestrian medians with bell bollards. Refuge areas. Get rid of left turn lanes..replace with refuge, paint & bollards.
2. Respect desire lines..where people want to cross, likely at mid-block locations.
3. Get schools, seniors, churches, neighborhoods on board, explain everything from a safety perspective
4. Neighborhood Slow Zones. 20 mph, signs, speed bumps. Reduced noise & cut through traffic. More social streets. Interested neighborhoods apply. <http://www.nyc.gov/html/dot/html/motorist/slowzones.shtml>
5. Look campaign <http://www.nyc.gov/html/dot/html/pedestrians/look.shtml>
6. Reckless driving kills campaign <http://www.nyc.gov/html/dot/html/motorist/reckless-driving.shtml>

Jennifer Mayes, Manchester Elem. School Principal

Erica Briggs, League of Mich. Bicyclists

Unexpected Origination, Unparalleled Outcomes

1. Clague Middle School, led by two young middle school teachers, received \$180,000 grant for crosswalk enhancements & filling sidewalk gaps & education & encouragement 6th graders, bike rodeo, bike month activities
2. Pedalpalooza-received over \$1,000 donations from businesses for incentives for students
3. National Walk to School Day October 9
4. National Bike to School Day May 7 <http://www.walkbiketoschool.org/>
5. Connect with transportation directors at school districts

Jeff Bagdade, Opus International

Safety Road System Rating Tools: Insight & Applications

1. Probability fatality of pedestrians: at 20 mph 5%, at 30 mph 45%, at 40 mph 85%, source World Health Organization http://apps.who.int/iris/bitstream/10665/79753/1/9789241505352_eng.pdf
2. Roads over 30 mph should not have bike lanes unless they are buffered (because of fatality rate above)
3. International Road Assessment Programme (iRAP) <http://www.irap.net/> is a registered charity dedicated to preventing the more than 3,500 road deaths that occur every day worldwide. Star Ratings are based on road inspection data and provide a simple and objective measure of the level of safety which is 'built-in' to the road for vehicle occupants, motorcyclists, bicyclists and pedestrians. Five-star roads are the safest while one-star roads are the least safe. 60 countries globally. developed by auto insurance



Sara Roediger | Planner

City of Novi | 45175 Ten Mile Road | Novi, MI 48375 USA
t: 248.735.5607 f: 248.735.5633

cityofnovi.org | InvestNovi.org

To receive monthly e-news from Novi or follow us on Facebook, [click here](#).