

**APPROVAL OF RECOMMENDATION TO CITY COUNCIL FOR THE
2008/2009 CAPITAL IMPROVEMENT PROGRAM**

Staff prepared and submitted the attached Capital Improvement Program Budget. I will provide an overview of the program at the February 14, 2008 meeting and request an approval of the program from the Commission that will be forwarded to City Council.

Draft Capital Improvement Projects as of February 4, 2008

| Roads | 2008-09 Proposed | 2009-10 Proposed | 2010-11 Proposed | 2011-12 Proposed | 2012-13 Proposed | 2013-14 Proposed | Total | Funding Source |
|-------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------|--|
| | | | | | | | | |
| 1 | \$1,500,000 | \$1,500,000 | \$1,500,000 | \$1,500,000 | \$1,500,000 | \$1,500,000 | \$9,000,000 | City Road Funds |
| 2 | \$23,300,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$23,300,000 | Municipal St Fund-\$1.7M; PA 48 ROW Funds \$268K |
| 3 | \$1,077,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,077,000 | Major Roads Fund |
| 4 | \$55,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$55,000 | City Road Funds |
| 5 | \$3,900,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$3,900,000 | City Road plus Grant funds |
| 6 | \$1,907,556 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,907,556 | MDOT - Municipal St Fund \$47,689 |
| 7 | \$1,907,556 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,907,556 | MDOT - Municipal St Fund \$47,689 |
| 8 | \$1,680,000 | \$264,800 | \$0 | \$1,900,000 | \$0 | \$0 | \$3,844,800 | Private Funds |
| 9 | \$0 | \$516,000 | \$0 | \$0 | \$0 | \$0 | \$516,000 | City Road Funds |
| 10 | \$0 | \$975,000 | \$0 | \$0 | \$0 | \$0 | \$975,000 | City Road Fund |
| 11 | \$0 | \$1,327,000 | \$0 | \$0 | \$0 | \$0 | \$1,327,000 | City Road Funds |
| 12 | \$0 | \$972,000 | \$0 | \$0 | \$0 | \$0 | \$972,000 | City Road Funds |
| 13 | \$0 | \$10,034,000 | \$0 | \$0 | \$0 | \$0 | \$10,034,000 | MDOT, City Share \$140,476 |
| 14 | \$0 | \$800,000 | \$0 | \$0 | \$0 | \$0 | \$800,000 | MDOT, City Share \$18,200 |
| 15 | \$0 | \$1,088,000 | \$0 | \$0 | \$0 | \$0 | \$1,088,000 | MDOT, City Share \$25,000 |
| 16 | \$0 | \$3,019,000 | \$0 | \$0 | \$0 | \$0 | \$3,019,000 | MDOT, City Share \$75,475 |
| 17 | \$0 | \$712,240 | \$0 | \$0 | \$0 | \$0 | \$712,240 | MDOT, City Share \$17,806 |
| 18 | \$0 | \$1,114,601 | \$0 | \$0 | \$0 | \$0 | \$1,114,601 | MDOT, City Share \$75,475 |

Draft Capital Improvement Projects as of February 4, 2008

| | | 2008-09 | | 2009-10 | | 2010-11 | | 2011-12 | | 2012-13 | | 2013-14 | | Total | Funding Source |
|---------------------|---|--------------|--------------|-------------|-------------|-------------|-------------|--------------|-----------|-------------|-------------|---------|-------------|---|----------------|
| | | Proposed | Proposed | Proposed | Proposed | Proposed | Proposed | Proposed | Proposed | Proposed | Proposed | | | | |
| 19 | Novi Road Rehabilitation 12 Mile to 13 Mile (Paser 5) | \$0 | \$0 | \$0 | \$1,400,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,400,000 | City Road Funds | |
| 20 | SW Quadrant Ring Road (Study in 2010-2011) - Novi and Grand River | \$0 | \$0 | \$0 | \$50,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,750,000 | \$0 | \$1,800,000 | City Road Fund | |
| 21 | New Road Construction - Donelson to Sheraton and West Oaks (as recommended by 2007 Master Plan) | \$0 | \$0 | \$0 | \$805,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$805,000 | City Road Fund/Possible EDC Grant/Private Partnership | |
| 22 | Catherine Industrial Road Reconstruction (Paser 3) | \$0 | \$0 | \$0 | \$0 | \$0 | \$363,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$363,000 | Major Street Fund | |
| 23 | West Road Repairs Hudson Drive to City Limits - mill and overlay (Paser 4) | \$0 | \$0 | \$0 | \$0 | \$0 | \$226,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$226,000 | City Road Funds | |
| 24 | Karim Blvd. Rehabilitation (Paser 4) | \$0 | \$0 | \$0 | \$0 | \$0 | \$166,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$166,000 | City Road Funds | |
| 25 | Trans-X Drive Reconstruction (Paser 5) | \$0 | \$0 | \$0 | \$0 | \$0 | \$886,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$886,000 | Major Street Fund | |
| 26 | 12 Mile Road Widening Beck Road and Cabaret Drive (includes Bridge over CSX) | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,653,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,653,000 | City Road Funds | |
| 27 | West Oaks Drive and Donelson Drive (West Oaks to 12 Mile Road)(Paser 4/5) | \$0 | \$0 | \$0 | \$0 | \$0 | \$459,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$459,000 | City Road Funds | |
| 28 | Beck Road Repaving 8 Mile to 9 Mile (Paser 2, 4, 9) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$600,000 | \$0 | \$0 | \$0 | \$0 | \$600,000 | City Road Funds | |
| 29 | Beck Road Repaving 9 Mile to 10 Mile (Paser 3, 7) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$510,000 | \$0 | \$0 | \$0 | \$0 | \$510,000 | City Road Funds | |
| 30 | Haggerty Pinch Points (9 Mile to 10 Mile) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$350,000 | \$0 | \$0 | \$0 | \$0 | \$350,000 | City Road Fund/RCOC and Farmington Hills | |
| 31 | 9 Mile, Novi to Taft, Rehabilitation (Paser 4) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$484,000 | \$0 | \$0 | \$0 | \$0 | \$484,000 | Major Street Fund | |
| 32 | Meadowbrook Road Repaving 8 Mile to 9 Mile (Paser 5) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$568,000 | \$0 | \$0 | \$0 | \$0 | \$568,000 | City Road Funds | |
| 33 | 9 Mile Road, Taft to Beck Road, Rehabilitation (Paser 6) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$484,000 | \$0 | \$0 | \$0 | \$0 | \$484,000 | City Road Funds | |
| 34 | Heslip Drive Rehabilitation (Paser 5) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$728,000 | \$0 | \$0 | \$0 | \$0 | \$728,000 | City Road Funds | |
| 35 | Meadowbrook Road Repaving 10 Mile To Cherry Hill (Paser 4) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$225,000 | \$0 | \$0 | \$0 | \$225,000 | Major Street Fund/Potential Fed. Grant Funding | |
| 36 | Meadowbrook Road Reconstruction 9 Mile to 10 Mile (Paser 5) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,150,000 | \$0 | \$0 | \$1,150,000 | Major Street Fund/Potential Fed. Grant Funding | |
| 37 | 11 Mile Road Repaving Taft to Beck (Paser 5) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$333,000 | \$0 | \$0 | \$333,000 | Major Street Fund/Potential Fed. Grant Funding | |
| 38 | West Park Repaving West Road to South Lake Drive (Paser 5) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$178,000 | \$0 | \$0 | \$178,000 | Major Street Fund/Potential Fed. Grant Funding | |
| 39 | Gen Mar Drive Rehabilitation (Paser 5) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$162,000 | \$0 | \$0 | \$162,000 | City Road Funds | |
| 40 | Grand River Avenue Widening Novi to Haggerty Road | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | RCOC/City Road Funds | |
| Roads Total: | | \$35,327,112 | \$22,322,641 | \$3,755,000 | \$7,153,000 | \$5,224,000 | \$5,298,000 | \$79,079,753 | | | | | | | |

Draft Capital Improvement Projects as of February 4, 2008

Intersections & Signalization

| | | 2008-09 Proposed | 2009-10 Proposed | 2010-11 Proposed | 2011-12 Proposed | 2012-13 Proposed | 2013-14 Proposed | Total | Funding Source |
|----|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------------|--|
| 41 | 11 Mile Road/Meadowbrook Road (includes widening on eastern leg of 11 Mile) | \$347,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$347,000 | Municipal Street Fund |
| 42 | Dedicated Left Turn Lane-Cherry Hill at Meadowbrook | \$75,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$75,000 | City Road Fund |
| 43 | Beck Road at Cider Mill Signal | \$200,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$200,000 | City Road Fund |
| 44 | Roundabout at Old Novi and South Lake Drive | \$0 | \$500,000 | \$0 | \$0 | \$0 | \$0 | \$500,000 | City Road Fund/Potential CMAQ Fed Grant |
| 45 | 13 Mile/Cabot Signalization | \$0 | \$0 | \$200,000 | \$0 | \$0 | \$0 | \$200,000 | Public/Private Partnership |
| 46 | Roundabout Taft and 11 Mile | \$0 | \$0 | \$0 | \$550,000 | \$0 | \$0 | \$550,000 | City Road Fund & Potential CMAQ Fed. Grant |
| 47 | Novi Road Signal Modernization and Mast Arm Installation (I-96 to 12 Mile) | \$0 | \$0 | \$0 | \$0 | \$500,000 | \$0 | \$500,000 | RCOC Municipal Street Fund |
| 48 | Lewis/Haggerty Road Signalization | \$0 | \$0 | \$0 | \$0 | \$0 | \$200,000 | \$200,000 | Municipal Street Fund |
| 49 | Roundabout Taft and 9 Mile | \$0 | \$0 | \$0 | \$0 | \$0 | \$482,000 | \$482,000 | City Road Fund/Potential CMAQ Fed Grant |
| | Intersections and Signalization Total: | \$622,000 | \$500,000 | \$200,000 | \$550,000 | \$500,000 | \$682,000 | \$3,054,000 | |

Sidewalks & Non-motorized Pathways

| | | 2008-09 Proposed | 2009-10 Proposed | 2010-11 Proposed | 2011-12 Proposed | 2012-13 Proposed | 2013-14 Proposed | Total | Funding Source |
|----|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------------|-----------------------|
| 50 | Annual Bike Trail Rehabilitation | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$300,000 | Municipal Street Fund |
| 51 | 11 Mile Rd, Cedarsprings to Taft, 8' Pathway for South Side (Segment 59) | \$112,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$112,000 | Municipal Street Fund |
| 52 | 10 Mile, Meadowbrook to Haggerty, 5' Sidewalk for North Side (Segment 80) | \$49,600 | \$0 | \$0 | \$0 | \$0 | \$0 | \$49,600 | Municipal Street Fund |
| 53 | Haggerty, 10 Mile to 9 Mile, 5' Sidewalk for West Side (Segment 82) | \$111,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$111,000 | Municipal Street Fund |
| 54 | Novi Road, Arena Drive to 10 Mile Road, 8' Pathway for East Side (Segment 89) | \$106,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$106,000 | Municipal Street Fund |
| 55 | 9 Mile, Meadowbrook to Haggerty, 5' Sidewalk North Side (Segment 83) | \$0 | \$249,000 | \$0 | \$0 | \$0 | \$0 | \$249,000 | Municipal Street Fund |
| 56 | Novi Road, 9 Mile to 10 Mile, 5' Sidewalk for West Side (Segment 92) | \$0 | \$115,000 | \$115,000 | \$0 | \$0 | \$0 | \$230,000 | Municipal Street Fund |
| 57 | Meadowbrook Road, Eight Mile to Nine Mile, 5' Sidewalk for East Side (Segment 119) | \$0 | \$0 | \$313,000 | \$0 | \$0 | \$0 | \$313,000 | Municipal Street Fund |
| 58 | 10 Mile Road, Meadowbrook to Haggerty, 8' Pathway for South Side (Segment 81) | \$0 | \$0 | \$0 | \$433,000 | \$0 | \$0 | \$433,000 | Municipal Street Fund |
| 59 | 10 Mile Road, Hampton Hill to Catherine, 5' sidewalk for North Side (Segment 71) | \$0 | \$0 | \$0 | \$0 | \$266,000 | \$0 | \$266,000 | Municipal Street Fund |
| 60 | 9 Mile, Meadowbrook to Solomon, 8' Pathway South side (Segment 121) | \$0 | \$0 | \$0 | \$0 | \$347,000 | \$0 | \$347,000 | Municipal Street Fund |
| 61 | 10 Mile Road, Eaton to Churchill, 5' Sidewalk for North Side (Segment 62) | \$0 | \$0 | \$0 | \$0 | \$0 | \$105,000 | \$105,000 | Municipal Street Fund |
| 62 | Meadowbrook, 9 Mile to 10 Mile, 5' Sidewalk for East Side (Segment 84) | \$0 | \$0 | \$0 | \$0 | \$0 | \$267,000 | \$267,000 | Municipal Street Fund |
| | Sidewalks & Non-motorized Pathways Total: | \$428,600 | \$414,000 | \$478,000 | \$483,000 | \$663,000 | \$422,000 | \$2,886,600 | |

Draft Capital Improvement Projects as of February 4, 2008

Storm Water System

| | 2008-09 Proposed | 2009-10 Proposed | 2010-11 Proposed | 2011-12 Proposed | 2012-13 Proposed | 2013-14 Proposed | Total | Funding Source | |
|----------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------|--------------------|--|
| 63 | \$84,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$84,000 | Drain Revenue Fund | |
| 64 | \$0 | \$83,000 | \$0 | \$0 | \$0 | \$0 | \$83,000 | Drain Revenue Fund | |
| 65 | \$0 | \$28,000 | \$0 | \$0 | \$0 | \$0 | \$28,000 | Drain Revenue Fund | |
| 66 | \$0 | \$0 | \$61,000 | \$0 | \$0 | \$0 | \$61,000 | Drain Revenue Fund | |
| Storm Water System Total: | | | | | | | | \$256,000 | |

Sanitary Sewer System

| | 2008-09 Proposed | 2009-10 Proposed | 2010-11 Proposed | 2011-12 Proposed | 2012-13 Proposed | 2013-14 Proposed | Total | Funding Source | |
|-------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------------|----------------------|--|
| 67 | \$69,300 | \$0 | \$0 | \$0 | \$0 | \$0 | \$69,300 | Water and Sewer Fund | |
| 68 | \$5,000,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$5,000,000 | Water and Sewer Fund | |
| 69 | \$0 | \$147,000 | \$0 | \$0 | \$0 | \$0 | \$147,000 | Water and Sewer Fund | |
| 70 | \$0 | \$96,250 | \$0 | \$0 | \$0 | \$0 | \$96,250 | Water and Sewer Fund | |
| 71 | \$0 | \$0 | \$75,000 | \$0 | \$0 | \$0 | \$75,000 | Water and Sewer Fund | |
| 72 | \$0 | \$0 | \$0 | \$1,500,000 | \$0 | \$0 | \$1,500,000 | Water and Sewer Fund | |
| 73 | \$0 | \$0 | \$0 | \$0 | \$450,000 | \$0 | \$450,000 | Water and Sewer Fund | |
| Sanitary Sewer System Total: | | | | | | | | \$7,337,550 | |

Water Distribution System

| | 2008-09 Proposed | 2009-10 Proposed | 2010-11 Proposed | 2011-12 Proposed | 2012-13 Proposed | 2013-14 Proposed | Total | Funding Source | |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-----------|---|--|
| 74 | \$100,000 | \$0 | \$100,000 | \$0 | \$0 | \$0 | \$200,000 | Water and Sewer Fund/Private Funds/City Share \$200,000 | |
| 75 | \$200,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$200,000 | Water and Sewer Fund | |
| 76 | \$359,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$359,000 | Water and Sewer Fund | |
| 77 | \$125,000 | \$125,000 | \$0 | \$0 | \$0 | \$0 | \$250,000 | Water and Sewer Fund | |
| 78 | \$500,000 | TBD | TBD | TBD | TBD | TBD | \$500,000 | Water and Sewer Fund | |
| 79 | \$0 | \$500,000 | \$0 | \$0 | \$0 | \$0 | \$500,000 | Water and Sewer Fund | |
| 80 | \$0 | \$95,600 | \$64,950 | \$52,450 | \$0 | \$0 | \$213,000 | Water and Sewer Fund | |
| 81 | \$0 | \$0 | \$966,000 | \$0 | \$0 | \$0 | \$966,000 | Water and Sewer Fund | |
| 82 | \$0 | \$0 | \$0 | \$450,000 | \$0 | \$0 | \$450,000 | Water and Sewer Fund | |
| Water Distribution System Total: | | | | | | | | \$3,638,000 | |

Draft Capital Improvement Projects as of February 4, 2008

| | | 2008-09 | | 2009-10 | | 2010-11 | | 2011-12 | | 2012-13 | | 2013-14 | | Total | Funding Source |
|---------------------------------|--|-------------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-------------|---|
| | | Proposed | | Proposed | | Proposed | | Proposed | | Proposed | | Proposed | | | |
| 83 | Power Park Phase III | \$416,000 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$416,000 | General Fund |
| 84 | Upgrades to Power Park Lift Station | \$30,000 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$30,000 | General Fund |
| 85 | Feasibility Study for Development of a Recreation Center | \$45,000 | | \$45,000 | | \$0 | | \$0 | | \$0 | | \$0 | | \$90,000 | General Fund |
| 86 | Tim Pope Memorial Play Structure | \$300,000 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$300,000 | General Fund/Other Funds |
| 87 | Power Park Play Structure | \$100,000 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$100,000 | General Fund |
| 88 | ITC Community Sports Park Irrigation Pump House Upgrade | \$40,000 | | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$40,000 | General Fund |
| 89 | Greenway Development Phase I | \$275,000 | | \$275,000 | | \$275,000 | | \$275,000 | | \$0 | | \$0 | | \$825,000 | General Fund & Grants to be submitted (ISTEA & MNRTF) |
| 90 | Park Entryway Signs | \$60,000 | | \$60,000 | | \$0 | | \$0 | | \$0 | | \$0 | | \$120,000 | General Fund/Other |
| 91 | Sports Court Resurfacing | \$0 | | \$40,000 | | \$0 | | \$0 | | \$0 | | \$0 | | \$40,000 | General Fund/Other |
| 92 | Landing Property Master Plan | \$0 | | \$30,000 | | \$0 | | \$0 | | \$0 | | \$0 | | \$30,000 | General Fund |
| 93 | Recreation Center Plan, Design, Development-Phase I | \$0 | | \$0 | | TBD | | TBD | | \$0 | | \$0 | | \$0 | General Fund/Potential Grants/Partnerships |
| 94 | ITC Community Sports Park Soccer Field Renovation | \$0 | | \$0 | | \$165,000 | | \$165,000 | | \$170,000 | | \$0 | | \$500,000 | General Fund |
| 95 | ITC Community Sports Park Ball Field Renovation | \$0 | | \$0 | | \$65,000 | | \$65,000 | | \$70,000 | | \$0 | | \$200,000 | General Fund/Partnerships |
| 96 | Rotary Park Play Structure | \$0 | | \$0 | | \$75,000 | | \$0 | | \$0 | | \$0 | | \$75,000 | General Fund |
| 97 | Lakeshore Park Play Structure | \$0 | | \$0 | | \$0 | | \$75,000 | | \$0 | | \$0 | | \$75,000 | General Fund |
| 98 | Disc Golf at Lakeshore Park | \$0 | | \$0 | | \$0 | | \$0 | | \$25,000 | | \$0 | | \$25,000 | General Fund/Other |
| 99 | ITC Community Sports Park Paved Parking Lots | \$0 | | \$0 | | \$0 | | \$0 | | \$200,000 | | \$0 | | \$200,000 | General Fund |
| 100 | Lakeshore Park Paved Lot and Drive | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$120,000 | | \$120,000 | General Fund |
| 101 | ITC Community Sports Park Play Structure | \$0 | | \$0 | | \$0 | | \$0 | | \$0 | | \$100,000 | | \$100,000 | General Fund |
| Parks Development Total: | | \$1,266,000 | | \$450,000 | | \$580,000 | | \$580,000 | | \$465,000 | | \$0 | | \$3,066,000 | |

Draft Capital Improvement Projects as of February 4, 2008

Other Projects

| | Dept. | 2008-09 Proposed | 2009-10 Proposed | 2010-11 Proposed | 2011-12 Proposed | 2012-13 Proposed | 2013-14 Proposed | Total | Funding Source |
|-----|--|------------------|------------------|------------------|------------------|------------------|------------------|-------------|----------------------------------|
| | | | | | | | | | |
| 102 | Township Hall Relocation | B&G | \$150,000 | \$0 | \$0 | \$0 | \$0 | \$150,000 | General Fund |
| 103 | Fuerst Farm Plan/Design/Development- Phase I | B&G | TBD | | \$0 | \$0 | \$0 | \$0 | General Fund/Grants/Partnerships |
| 104 | DPW Critical Needs Assessment - Phase I Mechanical | DPW | \$191,200 | \$0 | \$0 | \$0 | \$0 | \$191,200 | General Fund-Designated FB |
| 105 | Small Dump Truck Replacements (5) with Plow (replaces #688, #64, #65, #684 & #690) | DPW | \$120,000 | \$0 | \$130,000 | \$70,000 | \$0 | \$320,000 | General Fund/Allocation |
| 106 | New 4 Ton Hot Patcher (Hot Box) | DPW | \$30,000 | \$0 | \$0 | \$0 | \$0 | \$30,000 | General Fund/Allocation |
| 107 | Large Dump Truck Replacements (2) with Underbody Grader (replaces #681 & #671) | DPW | \$320,000 | \$0 | \$0 | \$0 | \$0 | \$320,000 | General Fund/Allocation |
| 108 | New Mini Excavator | DPW | \$80,000 | \$0 | \$0 | \$0 | \$0 | \$80,000 | General Fund/Allocation |
| 109 | Front-End Loader Replacements (2) (replaces #679 & #689) | DPW | \$145,000 | \$0 | \$0 | \$143,000 | \$0 | \$288,000 | General Fund/Allocation |
| 110 | DPW Site Development Infrastructure | DPW | \$300,000 | \$0 | \$0 | \$0 | \$0 | \$300,000 | General Fund |
| 111 | Portable Equipment Lift | DPW | \$37,000 | \$0 | \$0 | \$0 | \$0 | \$37,000 | General Fund |
| 112 | New Vibratory Roller | DPW | \$37,500 | \$0 | \$0 | \$0 | \$0 | \$37,500 | General Fund/Allocation |
| 113 | New Joint Crack Seal Machine | DPW | \$50,000 | \$0 | \$0 | \$0 | \$0 | \$50,000 | General Fund |
| 114 | Truck Weigh Station | DPW | \$130,000 | \$0 | \$0 | \$0 | \$0 | \$130,000 | General Fund |
| 115 | New Street Sweepers (2) | DPW | \$182,000 | \$0 | \$0 | \$185,000 | \$0 | \$367,000 | General Fund/Allocation |
| 116 | New Bobcat All Wheel Loader | DPW | \$42,500 | \$0 | \$0 | \$0 | \$0 | \$42,500 | General Fund/Allocation |
| 117 | Tandem Dump Truck Replacements (4) with Underbody Grader & Front Plow (replaces #620, #699, #606 & #603) | DPW | \$220,000 | \$210,000 | \$0 | \$0 | \$0 | \$430,000 | General Fund/Allocation |
| 118 | Replace Fire Station #3 | FIRE | \$2,340,000 | \$0 | \$0 | \$0 | \$0 | \$2,340,000 | General Fund/Allocation |
| 119 | Replace City-wide Voicemail System | GA | \$75,000 | \$0 | \$0 | \$0 | \$0 | \$75,000 | General Fund |
| 120 | City Entryway Signs | NS&BR | \$266,500 | \$0 | \$0 | \$0 | \$0 | \$266,500 | General Fund |
| 121 | Upgrade E-911 System Equipment | PD | \$141,308 | \$0 | \$0 | \$0 | \$0 | \$141,308 | General Fund |
| 122 | Replacement of Police Building Video Monitoring to Digital Technology | PD | \$165,000 | \$0 | \$0 | \$0 | \$0 | \$165,000 | General Fund |

Draft Capital Improvement Projects as of February 4, 2008

Other Projects Cont'd

| | DPT. | 2008-09 | | 2009-10 | | 2010-11 | | 2011-12 | | 2012-13 | | 2013-14 | | Total | Funding Source |
|-----|---|----------|--|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-----|----------|-----|--------------|------------------------------------|
| | | Proposed | | Proposed | | Proposed | | Proposed | | Proposed | | Proposed | | | |
| 137 | Software-Sponsorships, Partnerships, Donations | | | \$28,067 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$28,067 | General Fund/Novi Parks Foundation |
| 138 | Computerized Maintenance Management System (CMMS) | | | \$145,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$145,000 | General |
| 139 | New Utility Truck | | | \$125,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$125,000 | Water and Sewer Fund |
| 128 | Vactor Replacement | | | \$325,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$325,000 | Water and Sewer Fund |
| 129 | Salt dome | | | \$0 | \$235,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$235,000 | General Fund/Allocation |
| 130 | DPW Critical Needs Assessment-Phase II Electrical | | | \$0 | \$223,630 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$223,630 | General Fund |
| 131 | Fire Dept Vehicle Replacement (replaces Squads #2, #3 & #4) | | | \$0 | \$464,600 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$464,600 | Police & Fire Fund |
| 132 | ISI Teams@ Accountability System | | | \$0 | \$92,500 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$92,500 | General Fund |
| 133 | Replacement/Upgrade of the Dialogic Mass Notification System | | | \$0 | \$72,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$72,000 | General Fund |
| 134 | Outdoor Early Warning Sirens (2) | | | \$0 | \$44,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$44,000 | General Fund |
| 135 | Closed Circuit Video Monitoring System for Twelve Oaks Mall. | | | \$0 | \$32,725 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$32,725 | General Fund |
| 136 | Single Axle Dump Truck Replacement | | | \$0 | \$95,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$95,000 | Parks |
| 136 | Large Dump Truck Replacements (4) with Underbody Grader and Front Plow (replaces #686, #687, #621 & #698) | | | \$0 | \$0 | \$290,000 | \$162,500 | \$0 | \$0 | \$167,500 | \$0 | \$0 | \$0 | \$620,000 | General Fund |
| 137 | Gradall Ditch Digging Machine Replacement (replaces 18 year old current machine) | | | \$0 | \$0 | \$300,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$300,000 | General Fund/Allocation |
| 138 | Replace Fire Engine #3 | | | \$0 | \$0 | \$466,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$466,000 | Police & Fire Fund |
| 139 | Retrofit Fire Training Tower | | | \$0 | \$0 | \$84,400 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$84,400 | General Fund |
| 140 | Unified Messaging Software | | | \$0 | \$0 | \$47,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$47,000 | General Fund |
| 141 | Novi High School Student FM Radio Station - Generator Backup | | | \$0 | \$0 | \$28,350 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$28,350 | General Fund |
| 142 | Closed Circuit Video Monitoring System for Main and Market Streets | | | \$0 | \$0 | \$97,075 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$97,075 | General Fund |
| 143 | Relocate/Construct Fire Station #1 | | | \$0 | \$0 | \$0 | \$5,200,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$5,200,000 | General Fund |
| 144 | Police Headquarters Building Renovation | | | \$0 | \$0 | \$0 | \$0 | \$0 | \$5,932,602 | \$0 | \$0 | \$0 | \$0 | \$5,932,602 | General Fund |
| | Other Projects Total: | | | \$6,269,142 | \$2,728,910 | \$1,442,825 | \$5,432,500 | \$6,878,102 | \$0 | \$0 | \$0 | \$0 | \$0 | \$22,751,479 | |

Summary

| | 2008-09 | | 2009-10 | | 2010-11 | | 2011-12 | | 2012-13 | | 2013-14 | | Total |
|------------------------------------|--------------|--------------|-------------|-------------|-------------|-------------|--------------|--|----------|--|----------|--|-------|
| | Proposed | | Proposed | | Proposed | | Proposed | | Proposed | | Proposed | | |
| Roads | \$35,327,112 | \$22,322,641 | \$3,755,000 | \$7,153,000 | \$5,224,000 | \$5,298,000 | \$79,079,753 | | | | | | |
| Intersections & Signalization | \$622,000 | \$500,000 | \$200,000 | \$550,000 | \$500,000 | \$682,000 | \$5,054,000 | | | | | | |
| Sidewalks & Non-Motorized Pathways | \$428,600 | \$414,000 | \$478,000 | \$483,000 | \$663,000 | \$422,000 | \$2,888,600 | | | | | | |
| Storm Water System | \$84,000 | \$111,000 | \$61,000 | \$0 | \$0 | \$0 | \$256,000 | | | | | | |
| Sanitary Sewer System | \$5,069,300 | \$243,250 | \$75,000 | \$1,500,000 | \$450,000 | \$0 | \$7,337,550 | | | | | | |
| Water Distribution System | \$1,284,000 | \$720,600 | \$1,130,950 | \$502,450 | \$0 | \$0 | \$3,638,000 | | | | | | |
| Parks | \$1,266,000 | \$450,000 | \$580,000 | \$465,000 | \$0 | \$0 | \$3,066,000 | | | | | | |
| Other Projects | \$6,269,142 | \$2,728,910 | \$1,442,825 | \$5,432,500 | \$6,878,102 | \$0 | \$22,751,479 | | | | | | |

GRAND TOTAL:

| | | | | | | |
|--------------|--------------|-------------|--------------|--------------|-------------|---------------|
| \$50,350,154 | \$27,490,401 | \$7,722,775 | \$16,200,950 | \$14,180,102 | \$6,402,000 | \$122,071,382 |
|--------------|--------------|-------------|--------------|--------------|-------------|---------------|

Commitment to project

Roads

1. **Neighborhood Rehabilitation & Repaving Program**
Reconstruction of approximately 1.5 miles per year of neighborhood streets. The locations are to be determined using the Pavement Surface Evaluation and Rating (PASER) reporting system.
2. **Novi Road Link, 10 Mile to Grand River Ave., RCOC Project**
RCOC Project to widen Novi Road to 5 lanes, relocate utilities and provide a bridge over the CSX Railroad.
3. **Orchard Hill Place Rehabilitation, 8 Mile and Haggerty Roads (Paser 3); Replace Concrete with Asphalt**
Reconstruction of existing concrete with asphalt road to promote economic development and also to provide strategic investment for existing business base.
4. **Dedicated right-turn lane from NB Wildcat to EB Ten Mile**
5. **Northwest Quadrant of Ring Road, Grand River to Novi Road**
Construction of a 1,300 foot long, 4 Lane Boulevard connecting Novi Road and Grand River Ave. In the northwest quadrant of the intersection, and a 650 foot long industrial spur road. Includes a bridge over the Rouge River, repaving of Fonda and new signals at Novi Road and Grand River Avenue intersections.
6. **I-96 EB over CSX Railroad – Replace Bridge**
MDOT Project to replace existing I-96 bridge over CSX railroad located west of Novi Road.
7. **I-96 WB over CSX Railroad-Replace Bridge**
MDOT Project to replace existing I-96 bridge over CSX railroad located west of Novi Road.
8. **Cabot Drive Extension-Concrete road 13 Mile to 14 Mile Including bridge and drainage improvements**
Private development project to construct a new north-south between M-5 and Haggerty Road from current northern end of Cabot Drive to 14 Mile using concrete.
9. **9 Mile Road Rehabilitation Haggerty Road to Meadowbrook Road (Paser 5)**
Pavement repairs and rehabilitation to extend the useful life of the roadway.
10. **11 Mile Road, Town Center 1/8 of a mile west of Meadowbrook (Paser 6)**
Reconstruction of existing concrete road in asphalt.
11. **Crescent Drive, Novi Road to Town Center Dr, Concrete to Asphalt Reconstruction (Paser 5)**
Removal of existing concrete pavement and replacement with new asphalt pavement approximately 2,400 feet on Crescent Drive and 2,300 feet on Town Center Drive.
12. **Town Center Drive Reconstruction Crescent Blvd. to Grand River Avenue (Paser 6)**
Removal of existing concrete pavement and replacement with new asphalt pavement. Approximately 2,400 feet on Crescent Blvd. and 2,600 feet on Town Center Drive.

- 13. I-696 from Novi Road to Halsted Road-Patch & Overlay**
MDOT project to patch and repave (overlay) I-96/I-696 from Halsted Road in Farmington Hills to Novi Road.
- 14. I-96 under Novi Road-Bridge Repairs**
MDOT Project to repair the existing Novi Road bridge over I-96.
- 15. I-96 under Meadowbrook Road-Bridge Repairs**
MDOT project to repair existing Meadowbrook Road bridge over I-96.
- 16. Novi Road/I-96 ramps (NB & SB Novi to EB 96; EB 96 off ramp)**
MDOT project to reconstruct/rehabilitate the existing Novi Road ramps to eastbound I-96 and the eastbound I-96 off ramp to Novi Road.
- 17. I-96 WB from M-5 to Novi Road-add turn lane for traffic volume**
MDOT project to add an existing lane from southbound M-5 entrance to westbound I-96 to Novi Road exit.
- 18. I-696 EB under M-5-Bridge replacement**
MDOT project to replace existing M-5 bridge over I-696.
- 19. Novi Road Rehabilitation 12 Mile to 13 Mile (Paser 5)**
Asphalt pavement repairs and some areas of reconstruction to extend the useful life of the roadway.
- 20. SW Quadrant Ring Road (Study in 2010-2011)-Novi and Grand River**
Study and construction of a realignment of Flint Street to provide a connection to ring road at the northwest quadrant of Grand River Avenue and Novi Road. The study was recommended by the Ring Road study for the northwest quadrant.
- 21. New Road Construction - Donelson to Sheraton and West Oaks (as recommended by 2007 Master Plan)**
Proposed new road south of existing West Oaks development connecting West Oaks Drive to Donaldson 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. This project requires the property owner's cooperation or acquisition of right-of-way.
- 22. Catherine Industrial Road Reconstruction (Paser 3)**
Reconstruction of existing asphalt road
- 23. West Road Repairs Hudson Drive to City Limits - mill and overlay (Paser 4)**
Pavement repairs to extend the useful life of the roadway. A mill and overlay project that will include removal and replacement of areas with failing base material and drainage improvements as necessary. Approximately 1,000 feet on Hudson Drive
- 24. Karim Blvd. Rehabilitation (Paser 4)**
Pavement repairs and rehabilitation to extend the useful life of the roadway.
- 25. Trans-X Drive Reconstruction (Paser 5)**
Reconstruction of existing concrete roadway in concrete.

- 26. 12 Mile Road Widening Beck Road and Cabaret Drive (includes bridge over CSX)**
RCOC project to widen 12 Mile Road as a four lane boulevard to transition from Dixon Road to Beck Road, including construction of a bridge over the CSX Railroad.
- 27. West Oaks Drive and Donelson Drive (West Oaks to 12 Mile Road) (Paser 4/5)**
Rehabilitation and resurfacing of West Oaks Drive and Donelson Drive (north of West Oaks) to preserve the life of the roadway and provide improved safety to West Oaks, West Oaks II, and Fountain Walk commercial shopping centers by reviewing tapers, lanes, etc. (PASER rating 4/5).
- 28. Beck Road Repaving 8 Mile to 9 Mile (Paser 2, 4, 9)**
Repaving of Beck Road to preserve life of roadway until reconstruction occurs in or around 2020. Includes; extending the right turn lane for northbound Beck at 9 Mile and the dedicated right turn lane for southbound Beck Road.
- 29. Beck Road Repaving 9 Mile to 10 Mile (Paser 3, 7)**
Repaving of Beck Road to preserve life of roadway until reconstruction occurs in or around 2020.
- 30. Haggerty Pinch Points (9 Mile to 10 Mile)**
RCOC project to construct an additional lane along Haggerty Road to eliminate the “pinch points”. The southbound lanes of Haggerty Road are located in Novi. The majority of Haggerty Road from 10 Mile to 9 Mile Road consists of two southbound lanes.
- 31. 9 Mile, Novi to Taft, Rehabilitation (Paser 4)**
Pavement repairs, partial reconstruction and rehabilitation to extend the useful life of the roadway.
- 32. Meadowbrook Road Repaving 8 Mile to 9 Mile (Paser 5)**
Pavement repairs and rehabilitation to extend the useful life of the roadway.
- 33. 9 Mile Road, Taft to Beck Road, Rehabilitation (Paser 6)**
Pavement repairs and rehabilitation to extend the useful life of the roadway.
- 34. Heslip Drive Rehabilitation (Paser 5)**
Reconstruction of existing concrete roadway in concrete.
- 35. Meadowbrook Road Repaving 10 Mile to Cherry Hill (Paser 4)**
Repair and repaving of Meadowbrook Road between 10 Mile Road and Cherry Hill Road (excluding the intersections). Includes the addition of a northbound left turn lane for the Novi Senior Center.
- 36. Meadowbrook Road Reconstruction 9 Mile to 10 Mile (Paser 5)**
Reconstruction of existing roadway from concrete to asphalt.
- 37. 11 Mile Road Repaving Taft to Beck (Paser 5)**
Repair and repaving of 11 Mile Road between Taft Road and Beck Road. Includes the addition of a dedicated right turn lane for westbound 11 Mile Road at Beck Road.
- 38. West Park Repaving West Road to South Lake Drive (Paser 5)**

Repair and repaving to extend the useful life of the roadway.

39. **Gen Mar Drive Rehabilitation (Paser 5)**
Reconstruction of existing concrete roadway in concrete.
40. **Grand River Avenue Widening Novi Road to Haggerty Road**
RCOC project widening and reconstruction to match Grand River Avenue at both termini. Utility relocations and drainage improvements as necessary to accommodate new cross-section.

Intersections and Signalization

41. **11 Mile Road/Meadowbrook Road (includes widening on eastern leg of 11 Mile)**
Construct a new traffic signal for the intersection of Meadowbrook Road and 11 Mile Road along with some minor widening to 11 Mile Road east of Meadowbrook to accommodate a dedicated left turn lane.
42. **Dedicated Left Turn Lane-Cherry Hill at Meadowbrook**
Construct a dedicated left turn lane for eastbound Cherry Hill at Meadowbrook Road to allow right turning traffic.
43. **Beck Road at Cider Mill Signal**
Construct a new traffic signal for the intersection of Beck Road and Cider Mill.
44. **Roundabout at Old Novi and South Lake Drive**
Construct a modern roundabout at the intersection of Old Novi Road, 13 Mile Road and South Lake. The roundabout would eliminate the existing traffic signal and act as a traffic calming measure.
45. **13 Mile/Cabot Signalization**
Construct a new traffic signal for 13 Mile and Cabot Drive.
46. **Roundabout Taft and 11 Mile**
Construct a modern roundabout at the intersection of Taft Road and 11 Mile Road. The roundabout would eliminate the existing four-way stop control and act as a traffic calming measure.
47. **Novi Road Signal Modernization and Mast Arm Installation (I-96 to 12 Mile)**
Upgrade existing traffic signals along Novi Road between Grand River and 12 Mile Road to include decorative mast arms.
48. **Lewis/Haggerty Road Signalization**
Construct a new traffic signal for the intersection of Lewis Drive and Haggerty Road.
49. **Roundabout Taft and 9 Mile**
Construct modern roundabout at the intersection of Taft Road and 11 Mile Road. The roundabout would eliminate the existing four-way stop control and act as a traffic calming measure.

Sidewalks & Non-motorized Pathways

50. **Annual Bike Trail Rehabilitation**
Repair and repave sections of existing bike path and repair existing sections of boardwalk
51. **11 Mile Rd, Cedarsprings to Taft, 8' Pathway for South side (Segment 59)**
Construction of 1,300 feet of 8 foot wide bike path along the south side of 11 Mile Road from the existing sidewalk west of the entrance to Cedarsprings Estates to Taft Road.
52. **10 Mile, Meadowbrook to Haggerty, 5' Sidewalk for North side (Segment 80)**
Construction of 600 feet of 5 foot wide sidewalk to fill two gaps along the north side of 10 Mile from Meadowbrook to Haggerty Road.
53. **Haggerty, 10 Mile to 9 Mile, 5' Sidewalk for West side (Segment 82)**
Construction of 1,700 feet of 5 foot wide sidewalk to fill four gaps along the west side of Haggerty Road between 10 Mile Road and 9 Mile Road.
54. **Novi Road, Arena Drive to 10 Mile Road, 8' Pathway for East side (Segment 89)**
Construction of 500 feet of 8 foot wide bike path to fill one gap along the east side of Novi Road from Arena Drive to 10 Mile Road.
55. **9 Mile Road, Meadowbrook to Haggerty, 5' sidewalk for North side (Segment 83)**
Construction of 3,800 feet of 5 foot wide sidewalk along the north side of 9 Mile from Meadowbrook to Haggerty Road.
56. **Novi Road, 9 Mile to 10 Mile, 5' Sidewalk for West side (Segment 92)**
Construction of 2,800 feet of 5 foot wide sidewalk to fill four gaps along the west side of Novi Road from 10 Mile to 9 Mile Road.
57. **Meadowbrook Road, 8 Mile to 9 Mile, 5' sidewalk for East side (Segment 119)**
Construction of 3,800 feet of 5 foot wide sidewalk to fill two gaps along the east side of Meadowbrook from 8 Mile to 9 Mile Road.
58. **10 Mile Road, Meadowbrook to Haggerty, 8' Pathway for South side (Segment 81)**
Construction of 5,300 feet of 8 foot wide pathway along the south side of 10 Mile from Meadowbrook to Haggerty Road.
59. **10 Mile Road, Hampton Hill to Catherine, 5' Sidewalk for North side (Segment 71)**
Construction of 2,000 feet of 5' foot wide sidewalk to fill two gaps along the north side of 10 Mile from Hampton Hill to Catherine Industrial Road, including a crossing of the Rouge River and CSX railroad.
60. **9 Mile, Meadowbrook to Solomon, 8' Pathway South Side (Segment 121)**
Construction of 5,100 feet of 8'foot wide bike path along the south side of 9 Mile from Meadowbrook to Solomon Road (Just west of Haggerty).
61. **10 Mile Road, Eaton to Churchill, 5' Sidewalk for North side (Segment 62)**
Construction of 400 feet of boardwalk to fill a gap along the north side of 10 Mile from Eaton Center to Churchill Crossing.

- 62. Meadowbrook, 9 Mile Road to 10 Mile Road, 5' Sidewalk for East side (Segment 84)**
Construction of 4,400 feet of 5' sidewalk to fill two gaps along the east side of Meadowbrook Road from 9 Mile to 10 Mile.

Storm Water System

- 63. West Oaks Basin Improvements**
Improve the existing regional detention basin to prevent additional erosion by making improvements/repairs to the outlet structure, providing native buffer plantings and filling of already eroded areas.
- 64. Cedar Springs Basin Improvements**
Improve the existing regional detention basin to provide additional attenuation and prevent future erosion by retrofitting the control structure to restrict high frequency events, installing habitat improvement structures, filling areas that have already eroded and landscaping with native buffer planting.
- 65. Lexington Green Basin Improvements**
Improve the existing regional detention basin to provide additional attenuation by retrofitting the control structure to restrict high frequency events.
- 66. Improvements to Civic Center, Thornton & Leavenworth Basins**
Improve the existing regional detention basins to provide additional attenuation by retrofitting and/or repairing the control structure to restrict high frequency events.

Sanitary Sewer System

- 67. Orchard Ridge Sanitary Upgrades**
Repair of existing manhole structures in the Orchard Ridge subdivision.
- 68. Sewer Capacity Solution**
This project is as of yet undefined, but would provide a solution to the future sanitary sewer capacity needs of the City in the form of a capacity purchase from a downstream community or a project to provide storage.
- 69. Upgrades to Park Place Sanitary Lift Station**
Purchase and installation of an on-site generator for the station as well as upgrades to the existing station including; replacement of pumps, replacement of guide rails and lift chain as well as replacement of the float system with level sensors.
- 70. Upgrades to Drakes Bay Pump Station**
Purchase and installation of an on-site generator for the station as well as upgrades to the existing station including; cleaning the wet well, and performing pump maintenance and cleaning.
- 71. Sanitary Sewer Master Plan 5 Year Review and Update**
Revise and update the sanitary sewer master plan every 5-7 years.

72. Participation in NHV/RV Regional Project & Consent Order

As a contributor of flow to the North Huron Valley/Rouge Valley and a community included in the abatement order issued by the State of Michigan, Novi may be required to participate in the cost of constructing a regional project to eliminate sanitary sewer overflows (SSO's) downstream in the interceptor.

73. 9 Mile Sanitary Sewer Upgrade to Increase Pipe Capacity

Development and construction of a solution to the future capacity problems in two sections of sanitary sewer along 9 Mile (one west of Novi Road and one east of Meadowbrook).

Water Distribution System

74. Section 1 Water Main, 24' Main East of M-5, HCCP II to 14 Mile

Construction of a 24 inch water main within Section 1 to connect 13 Mile to the DWSD booster station on 14 Mile.

75. Install New Pressure Reducing Valve at Pontiac Trail Connection to DWSD

This project would include the installation of a new pressure reducing valve (PRV) on West Park at the newest connection to DWSD.

76. Garfield Road, Tuscany Reserve to 9 Mile Road, Water Main Extension

Construction of a water main along Garfield to connect the 9 Mile water main constructed in FY05-06 with the water main to be constructed for Tuscany Reserve on 8 Mile.

77. GIS Integration for CMMS Program

Integration and the implementation of the GIS data into the CMMS program. This integration will include compiling field data, evaluating the data, and implementing the conversion to the CMMS program.

78. Additional Storage Capacity (based on water study recommendations)

79. Install Citywide Instrumentation & Control System for City Water System (SCADA)

Phase II of the Supervisory Control and Data Acquisition (SCADA) implementation to include the water system. The Project will include the connection of the pressure reducing valves (PRV), booster stations and DWSD meters to the City-wide control system to allow water and sewer personnel to better monitor and manage water system operations.

80. CMMS-Maintenance Management (software)

Computer Maintenance Management System (CMMS) program is designed to enhance workflow through the department. This program will be used to track labor, equipment, and materials associated with the water and sewer department.

81. 9 Mile/Napier/8 Mile Water Main Loop

Construction of a water main along Napier Road to connect the 9 Mile water main constructed in FY05-06 to Community Sports Park and future water main extended along 8 Mile by developers.

82. New Water Connection to DWSD at Haggerty Booster Station

Project to construct a sixth connection of the City to DWSD water supply near the Haggerty Booster Station. Project includes new meter, pressure reducing valve and connection to DWSD main.

Parks Development

83. Power Park Phase III

23-Year old facility needs multiple improvements. Phase III will demolish the existing concession/restroom facility and reconstruct a building with storage, accessible restrooms, concession facility, and scoring area. This phase will also repair damaged asphalt pathways throughout the facility and replace existing bleachers.

84. Upgrades to Power Park Lift Station

Upgrades to the existing station including; replacement of pumps and control panel.

85. Feasibility Study for Development of a Recreation Center

A comprehensive analysis of features, location, functions, for a proposed financially self-sufficient (for operations), multi-purpose “community center” project.

86. Tim Pope Memorial Play Structure at ITC Community Sports Park

Many of the components need to be replaced and several more are no longer compliant with the American Society for Testing and Materials Standards (ASTM) and Consumer Product Safety Commission Standards (CPSC). In addition to component replacement the structure was constructed from chromated copper arsenate (CCA) treated wood, a chemical linked to health concerns with excessive exposure. This project would remove the existing play structure, dispose of the wood and replace it with a structure of similar size and adequate accessible safety surfacing.

87. Power Park Play Structure

Ella Mae Power Park currently has two structures. The older of the two is designed for children ages 2-5. This structure has exceeded its useful life. The project would remove the existing structure and replace it with a new accessible structure developed for children 2-5. The project would also replace the current engineered wood surfacing with a poured in place surface.

88. ITC Community Sports Park Irrigation Pump House Upgrade

Replace the two, in-line irrigation pumps with a variable frequency drive pumping system to reduce energy costs and extend the longevity of the irrigation network.

89. Greenway Development Phase I

Plan and build a paved, greenway for recreational use along the ITC transmission corridor and eventually connect with Oakland County regional greenway system.

90. Park Entryway Signs

Replace current park entryways signage with a uniform theme/appearance so residents can locate and use park facilities easily and safely.

91. Sports Court Resurfacing

Resurface six 10 year old tennis and basketball courts which have cracked asphalt and heaved contours for all fields.

92. Landing Property Master Plan

Utilize consultant to facilitate a master planning process for the Landing Property at South Lake and Old Novi on Walled Lake.

93. Recreation Center Plan, Design, Development – Phase I

Type of project and amenities to be determined via the proposed feasibility study for the

development of a recreation center in 2008-2009.

94. ITC Community Sports Park Soccer Field Renovation

Renovate three soccer field surfaces at Community Sports Park to establish appropriate field contours promoting safety and optimal field playability.

95. ITC Community Sports Park Ball Field Renovation

Continue the planned field renovations of three baseball fields by grading and resurfacing infields.

96. Rotary Park Play Structure

Remove existing structure and replace it with a new accessible structure developed for children 2-5 years of age.

97. Lakeshore Park Play Structure

Remove one of two existing structures at the back of the park. The structure would be replaced with a new accessible structure developed for children ages 2-12.

98. Disc Golf at Lakeshore Park

Due to Disc Golf's increasing popularity the department has been getting a lot of requests for a Disc Golf course at Lakeshore Park. Disc Golf can be played from school age to old age, making it one of the greatest lifetime fitness sports available. It is an inclusive sport allowing the disabled to participate.

99. ITC Community Sports Park Paved Parking Lots

Reduce maintenance costs for Lakeshore Park lots and drives by replacing gravel surfaces with asphalt.

100. Lakeshore Park Paved Lot and Drive

Reduce maintenance costs for Lakeshore Park's Lot and drives by replacing gravel surfaces with asphalt.

101. ITC Community Sports Park Play Structure

Remove one of two existing structures and replace with a new accessible structure developed for children ages 2-12.

Other Projects

102. Township Hall Relocation

Planning, design, construction management, and moving company to relocate the existing Township Hall to an alternative site (currently located on Library-owned property).

103. Fuerst Farm Plan/Design/Development-Phase I

Type of project and amenities to be determined via the proposed feasibility study for the development of this site.

104. DPW Critical Needs Assessment - First Year Mechanical

Project addresses the critical needs of the DPW facility as addressed by the Facility Needs Master Plan performed by Wold Architects & Engineers under the following schedule: Year 1, Mechanical Systems; Year 2, Architectural; and Year 3, Electrical.

105. **Replace Small Dump Trucks (5) with Front Plow**
Utilized to transport materials, salt roads, plow snow, perform roadside maintenance and drainage activities.
106. **New 4 Ton Hot Patcher (Hot Box)**
Used to heat asphalt for road repairs on local and major streets.
107. **Replace Large Dump Trucks (2) with Underbody Grader**
Utilized for Snow Removal, roadside maintenance activities drain repairs and hauling material.
108. **New Mini Excavator**
Utilized for confined space repair projects such as rear yard drainage improvements, water and sewer projects, and roadway repairs.
109. **Replace Front End Loaders (2)**
Utilized daily for loading dirt, debris, road salt, and to unload gravel train deliveries. Also used for snow removal on the Beck Road interchange.
110. **DPW Site Development Infrastructure**
The site development plan for the DPW was evaluated by Wold in 2006. This request is to follow through on the recommended improvements to field services.
111. **New Portable Equipment Lift**
Has the ability to lift several of the larger vehicles that our current stationary lifts are unable to hoist for maintenance and repairs.
112. **New Vibratory Roller**
Used for asphalt finishing in small asphalt patchwork projects.
113. **New Joint Crack Seal Machine**
Used to seal joints and cracks that develop in the road surface. Sealing prevents water from penetrating below the road surface to slow erosion and freezing in the winter months that inhibit potholes.
114. **New Truck Weigh Station**
Per 2006 Wold Critical Needs Assessment; Weigh Station will ensure truck traffic of Police, DPW, Engineering and Fire stays within the legal limits of the law.
115. **New Street Sweepers (2)**
Additional residential build-up has lead to the need for additional street sweepers.
116. **New Bobcat All-Wheel Loader**
Utilized to transport materials in conjunction with confined space projects. Confined space areas include rear yards, storm drain easements, snow removal on bridge decks and heavily landscaped locations.
117. **Replace Tandem Dump Trucks (5) with Underbody Grader and Front Plow**
Utilized for snow removal, roadside maintenance activities drain repairs, and hauling material.
118. **Replace Fire Station #3**

Per CDPA Architects recommendation, replace Fire Station #3.

119. **Replace City-wide Voicemail System**
Replace existing Meridian Mail voicemail system including all software and hardware because it is no longer supported and is at the end of its useful life. Recommend hiring a communications consultant to determine useful life and/or value of replacing voice mail given age of telephone system (staff believes at least five more years).
120. **City Entryway Signs**
City Entryway Signs would be erected at significant entrance locations throughout the community to enhance aesthetics and further increase civic pride.
121. **Upgrade E-911 System Equipment**
Upgrade to Next Generation IP based E-911 system, with 5 answering positions in dispatch.
122. **Replacement of Police Building Video Monitoring to Digital Technology**
Replace and upgrade the current Closed Circuit Video Monitoring System to digital technology. Digital Technology is state of the art technology and has the capability to improve efficiency of staff time, enhance security and integrity of the video and allows for simple searching and viewing of any video files.
123. **Single Axle Dump Truck Replacement**
A medium duty dump truck utilized to tow the mobile sound stage, transport materials, salt roads and parking lots, plow snow, and perform roadside maintenance and drainage activities.
124. **Software-Sponsorships, Partnerships, Donations**
Software program that would maximize the sponsorship and fundraising efforts. Assist in tracking and streamlining daily processes.
125. **Computerized Maintenance Management System (CMMS)**
Computer Maintenance Management System (CMMS) program designed to enhance workflow through the department. Used to track labor, equipment, and materials associated with the department. Also includes GIS data conversion.
126. **Utility Truck**
A vehicle used to transport tools and equipment for water and sewer jobs. Intended to house all of the necessary parts and supplies that may be required during water main breaks and lift station repairs.
127. **Vactor Replacement**
CMOM operation and maintenance requires annual cleaning programs in order to meet state requirements. This piece of equipment would help continue the established sewer cleaning program.
128. **Salt Dome**
Houses salt for winter road maintenance of 39 lineal miles of major roadways and 123 lineal miles of local roadways.
129. **DPW Critical Needs Assessment – Phase II Electrical**
As identified in the 2006 DPW Master Plan, several electrical issues exist within the DPW building.

130. **Vehicle Replacement – Squads 2, 3, & 4**
Transporting-capable basic life support (BLS) medium duty vehicles.
131. **ISI Teams® Accountability System**
Personal Alert Safety System telemetry unit. Provides vital information about the status of individual firefighters on the scene, in real time. Electronically linked to a command center located outside the fire area.
133. **Replacement/Upgrade of the Dialogic Mass Notification System**
Internet based system that allows for mass notification used in evacuations, disseminating important information to the community.
134. **Outdoor Early Warning Sirens (2)**
Maximize the tornado siren coverage for the City
135. **Closed Circuit Video Monitoring System for 12 Oaks Mall**
Project would provide for automatic feed to the dispatch center at the Police department from 12 Oaks Malls 100 internal and 12 external cameras. Used to monitor ongoing situations and relay information from dispatchers to Officers.
136. **Replacement of Large Dump Trucks (5) with Underbody Grader and Front Plow**
Utilized for snow removal, roadway maintenance, drain repairs and hauling material.
137. **Gradall Ditch Digging Machine Replacement**
Used for reshaping and digging ditch lines, large concrete repairs, and storm drain repairs. Also used by the Water & Sewer department for repairs.
138. **Replace Fire Engine #3**
Engine #3 will be 15 years old in 2010. A new E-3 would include the cost of a replacement hose, hand tools, and various portable and loose equipment
139. **Retrofit Fire Training Tower**
The retrofit of the Fire Training Tower would upgrade the training facility at station #4. Special gas burners would simulate real fire conditions for all trainees. The realistic training would be used for both career and paid-on-call firefighters of both rookies and veteran personnel.
140. **Unified Messaging Software**
Integration of several different communications media so that users can retrieve and send voice, fax, and e-mail messages from a single interface. The proposed solution would enable a user to access e-mail, voice, and fax messages from a single inbox for greater efficiencies.
141. **Novi High School Student FM Radio Station-Generator Backup**
Electrical modifications to existing high school emergency backup generator to support the NHS student FM radio station (WOVI 89.5 FM) with emergency backup electrical power. Will increase the City's ability to deliver continuous emergency messages to the citizens by FM radio.
142. **Closed Circuit Video Monitoring System for Main and Market Streets**
This project would provide for the installation of 4 strategically placed cameras in the Main and Market commercial areas existing landscape. The cameras would be linked with an automatic feed to the dispatch center at the Police department.

143. Relocate/Construct Fire Station #1

Update Fire Station #1 according to architect's evaluation. Include slip-resistant flooring, locker/toilet/shower and storage rooms, meeting/workout rooms, kitchen and commercial appliances, day room, entry security upgrades and ADA & MIOSHA improvements.

144. Police Headquarters Building Renovation

Per the assessment conducted in 2006 regarding the future needs of the Police department an additional 11,442 square feet would be added. The renovation space includes space for prisoner receiving sally port, expanded evidence storage, offices, and locker rooms, training room, emergency operation center as well as related mechanical and technology needs.