

1) Local Road Improvements and Funding Policy

2) Adopted by Genesee County Board of County Road Commissioners January 17, 1995

3) All local Road improvements on Section Line or Subdivision Streets are implemented through construction (heavy maintenance) improvement projects that are bid and awarded to the lowest responsible bidder.

4) ROAD COMMISSION ALLOCATION FUNDS Allocation Funds are Road Commission funds set aside to match Township contributions for construction (heavy maintenance) on local road improvement projects. The total yearly allocation fund is divided between 17 Townships based upon population and local road miles within the township. Allocation funds must be committed by the Township within the current budget year. They cannot be carried forward to the next budget year. Road Commission Allocation Funds can only be used for improvements to section line or equivalent section line roads. They cannot be used for improvements to subdivision or platted streets.

5) SECTION LINE OR EQUIVALENT ROADS

a) TYPE OF IMPROVEMENTS:

i) Aggregate Resurfacing:

- (1) Limestone Gravel - 4-inch minimum thickness placed full width
- (2) Natural gravel - 3-inch minimum thickness placed full or partial width

ii) Grading, drainage (ditching), and 32 or 24-foot limestone surface to accommodate future 22-foot paving (4' or 5' shoulders)

iii) Bituminous paving of gravel roads that have adequate drainage and 30 to 34 foot width to provide for a 22-foot Bituminous pavement

iv) Pavement Resurfacing:

- (1) Bituminous resurfacing 1-1/2 to 3-inch thickness
- (2) Chip and Seal (single or double seal)
- (3) Microsurfacing

v) Ditching Existing Roadways

- (1) Clean or construct new ditching at existing offset from road centerline
- (2) Construct new ditching at a location to accommodate future bituminous paving

vi) Replacing Bridges and Culverts

- (1) Bridges - structures with a span of 20 feet or greater
- (2) Culverts - structures with a span with of less than 20 feet - may require replacement with concrete box culvert or corrugated metal pipe culvert

b) FUNDING

i) Road Improvements

(1) "Project Cost" includes the following:

- (a) Contract Construction (based on final contractor cost)
- (b) Right-Of-Way (Major Acquisition)

(2) "Other Costs" include the following:

- (a) Preliminary and Design Engineering
- (b) Construction Engineering and Inspection
- (c) Placement of Permanent Signs
- (d) Pavement Repair for Chip and Seal Microsurfacing
- (3) Participation
 - (a) Project Costs:
 - (i) Road Commission up to 50% of maximum available allocation
 - (ii) Township 100% of balance
 - (b) Other Costs:
 - (i) Road Commission 100% NOTE: Repairs for Chip and Seal and Microsurfacing that exceed 50% of the surfacing cost are to be 100% funded by the Township.
- ii) Bridge and Culvert Replacements
 - (1) Effective October 1, 2017:
 - (a) Proposed Bridges (Existing 20' or greater in span) - Total cost includes contract construction, design engineering, construction engineering, and ROW acquisition. MDOT generally funds 95% of contract construction cost. Balance of local cost funded 75/25 by GCRC and the TWP respectively.
 - (b) Proposed Culverts with a span of 60" equivalent or greater including box culverts - Total cost includes contract construction, design engineering, construction engineering, and ROW acquisition are 75% funded by GCRC and 25% funded by the TWP
 - (c) Proposed Culverts 54" or equivalent or less - Total costs are 100% funded by GCRC. Installation to be performed by GCRC maintenance forces.
 - (2) Effective October 1, 2018:
 - (a) Proposed Bridges (20' or greater in span) -Total cost includes contract construction, design engineering, construction engineering, and ROW acquisition. MDOT generally funds 95% of contract construction cost. Balance of local cost funded 75/25 by GCRC and the TWP respectively.
 - (b) Proposed Culverts with a span of 48" equivalent or greater including box culverts - Total cost includes contract construction, design engineering, construction engineering, and ROW acquisition are 75% funded by GCRC and 25% funded by the TWP
 - (c) Proposed Culverts from 42" equivalent or less - Total costs are 100% funded by GCRC. Installation to be performed by GCRC maintenance forces.
 - (3) Effective October 1, 2019:
 - (a) Proposed Bridges (20' or greater in span) -Total cost includes contract construction, design engineering, construction engineering, and ROW acquisition. MDOT generally funds 95% of contract construction cost. Balance of local cost funded 50/50 by GCRC and the TWP respectively.

- (b) Proposed Culverts with a span of 48" equivalent or greater including box culverts - Total cost includes contract construction, design engineering, construction engineering, and ROW acquisition are 50% funded by GCRC and 50% funded by the TWP
- (c) Proposed Culverts from 42" equivalent or less - Total costs are 100% funded by GCRC. Installation to be performed by GCRC maintenance forces.

(4)

6) SUBDIVISION STREETS (Platted Developments)

a) TYPES OF IMPROVEMENTS:

- i) Aggregate Resurfacing:
 - (1) Limestone Gravel - 4-inch minimum thickness placed full width
 - (2) Natural gravel - 3-inch minimum thickness placed full or partial width
- ii) Grading, drainage (ditching) and 22-foot Bituminous paving, with 4-foot shoulders and all driveways paved in Special Assessment and Community Development-funded projects. Special Assessment projects may also be petitioned for curb and gutter with 30-foot back-to-back of curb.
- iii) Pavement Resurfacing
 - (1) Bituminous resurfacing 1-1/2 to 3-inch thickness
 - (2) Microsurfacing
- iv) Bridge and Culvert Replacements - same as "section Line or Equivalent Roads"

b) FUNDING

- i) Aggregate and Microsurfacing Resurfacing
 - (1) Contract Construction (based on Final Contractor Cost and Right-of-Way - Township 100%
 - (2) Design and Construction Engineering and Permanent Signs - Road Commission 100%
 - (3) Pavement Repairs for Microsurfacing - Road Commission 100% NOTE: Repairs for Microsurfacing that exceed 50% of the surfacing cost are to be 100% funded by the Township.
- ii) Grading, Drainage, Paving and Bituminous Resurfacing - TWO FUNDING OPTIONS:
 - (1) Special Assessment (Resident petition or Township resolution method). Assessment District cost includes Contract Construction (based on low bid) plus 5% of low bid for signing and construction contingencies. Engineering costs are funded by Road Commission outside of the Assessment District.
 - (a) Assessment District: Township 0 - 25% (Construction) Residents 75 - 100%
 - (b) Engineering Road Commission 100%
 - (c) Construction Overrun - If Contract Construction exceeds 5% of low bid, all Contract Construction exceeding 5% will be funded on an equal basis between the Road Commission and Township.

- (2) b) Township Funded:
- (a) Contract Construction (based on final contractor cost) and right-of-way - Township 100%
 - (b) Design and Construction - Engineering and Permanent Signs Road Commission 100%
- iii) Bridge and Culvert Replacement - same as "Section Line or Equivalent Roads"
- iv) **NOTE** - Road Commission allocation funding is not available for improvements to subdivision streets (platted developments). These improvements must be funded through Special Assessment funding or Township-funded

Fiscal Year 2012-2013 Average Estimated Construction Costs For Local Road Improvements

Local Roads (Section Line Roads of Equivalent Roads)	
4" Limestone Resurfacing (26' Wide)	\$120,000 Per Mile
3" Gravel Resurfacing (26' Wide)	\$75,000 Per Mile
Single Chip and Seal (22' Wide)	\$35,000 Per Mile
2" Asphalt Resurfacing (22' Wide)	\$180,000 Per Mile
3" Asphalt Resurfacing (22' Wide)	\$255,000 Per Mile
Ditching, Grading with 6" Limestone Surface(30' wide)	\$380,000 Per Mile
Ditching, Grading and Paving (22' Wide)	\$685,000 Per Mile
Base Crushing and Shaping & 5" Asphalt Resurfacing (22' Wide)	\$530,000 Per Mile
2' Trenching & Widening with 3" Asphalt Resurfacing (24' Wide)	\$365,000 Per Mile

Subdivision Streets	
4" Limestone Resurfacing (20' Wide)	\$95,000 Per Mile
3" Gravel Resurfacing (20' Wide)	\$60,000 Per Mile
2" Asphalt Resurfacing (30' B/C to B/C)	\$285,000 Per Mile
2" Asphalt Resurfacing (26' Wide Open Ditch Streets)	\$190,000 Per Mile
Microsurfacing (26' Wide)	\$100,000 Per Mile
Ditching, Grading and Paving (26' Wide with 4' Shoulder)	\$695,000 Per Mile
Grading and Paving with Concrete Curb & Gutter(30' Wide B/C to B/C)	\$1,200,000 Per Mile

NOTE:

- I. These are average costs. The actual bid cost is based upon the survey design and construction plans. These costs do not include engineering, which is 100% funded by the Road Commission.
- II. The cost for Pavement Repair for Chip and Seal Projects will be funded by the Road Commission to a maximum of 50% of the Chip and Seal cost. Additional cost will be 100% funded by the Township.
- III. Right of way costs, if additional right of way is required, will be 100% funded by the Township.