



Period from January 1, 19 99, to December 31, 19 99 Municipality CHATHAM

Estimated Cost of Maintenance Operations

| Maintenance Operation (No.-Description-Total Quantity) | Material, Equipment or Labor | | | | Operation Cost |
|---|--|----------------------|---------------|-------------------|-------------------|
| | Item and Specification Reference | Quantity and Unit | Unit Cost | Amount | |
| 1. Bituminous Concrete Overlay (over Bituminous Mix) GROUP IV | Bituminous Surface Removal (Variable Depth) | 3832 S.Y. | 2.10 | 8047.20 | |
| | Area Reflective Crack Control Treatment Bituminous Materials (Prime Coat) | 8687 S.Y. 870 GAL | .88 1.00 | 7644.56 870.00 | |
| | Bituminous Concrete Surface Course, Mixture C, Class I, Type 2 | 729 TON | 36.00 | 26244.00 | |
| | Traffic Control & Protection | 1. L.S | 1000.00 | 1000.00 | |
| | Bituminous Surface Removal-Butt Joint Aggregate (Prime Coat) | 317 S.Y. 19 Ton | 7.00 10.00 | 2219.00 190.00 | |
| | Leveling Binder (Machine Method) Type 2 | 486 Ton | 35.00 | 17010.00 | |
| | Manholes to be Adjusted | 6 EACH | 400.00 | 2400.00 | |
| | Temporary Ramps | 80 S.Y. | 6.80 | 544.00 | 66,168.76 |
| 2. Seal Coat GROUP III | Bituminous Materials (Seal Coat) (HFH-150) (Applied) | 8932 GAL | .85 | 7592.20 | |
| | Seal Coat Aggregate (CA16) or (CM 15) (Applied) | 448 TON | 20.00 | 8960.00 | 16,552.20 |
| 3. Patch Streets Group II | Pre-Mix | 80 TON | 40.00 | 3200.00 | |
| | CA-6 Aggregate | 60 TON | 10.00 | 600.00 | |
| | Public Labor | | | 500.00 | |
| | Public Equipment | | | 1000.00 | 17,000.00 |
| 4. Winter Maintenance GROUP II | Rock Salt | 120.00 | 40.00 | 4800.00 | |
| | Boiler Slag | 175.00 | 4.00 | 700.00 | |
| | Public Labor | | | 3500.00 | |
| | Public Equipment | | | 8000.00 | 17,000.00 |
| 5. Ditchwork GROUP II | Public Labor | | | 1500.00 | |
| | Public Equipment | | | 1500.00 | 3,000.00 |
| 6. Street Sweeping GROUP II | Public Labor | | | 3000.00 | |
| | Public Equipment | | | 6000.00 | 9,000.00 |
| | Maintenance - Sub Total | | | | 17,020.96 |
| | Preliminary Eng. - Base + 5% Group IV + 4% Group III + 1.5% Group II | | | | 5,255.52 |
| | Construction Eng. - Group IV - 6% | | | | 3,970.13 |
| | Engineering Sub-Total | | | | 9,225.65 |
| Total Estimated Maintenance Cost | | | | | 126,246.61 |

Submitted 3-9, 19 99 Approved _____, 19 ____
 By M. Williams Municipal Official Title PRESIDENT PRO TEM District Engineer

Submit Four (4) Copies to District Engineer



Municipal Maintenance Operations

| Location | | | Surface | | | Maintenance Operation | | |
|-----------------------------------|-----------------------------------|---|---------------|--------|-------|-----------------------|--------------------------|----------|
| Street | From | To | Existing Type | Length | Width | No. | Description | Quantity |
| Willow Glen Way | Deerfield Road | Walnut Street | Bituminous | 775 | 27 | 1 | Bituminous Conc Surf Cse | 2325 |
| Wagon Wheel Lane | Deerfield Road | Walnut Street | Bituminous | 775 | 27 | 1 | Bituminous Conc Surf Cse | 2325 |
| Partridge Drive | North of Mallard | Grousa Drive | Bituminous | 725 | 27.5 | 1 | Bituminous Conc Surf Cse | 2215 |
| Grousa Drive | Partridge Drive | 100' west of Chukar | Bituminous | 200 | 28 | 1 | Bituminous Conc Surf Cse | 622 |
| Chukar Drive | 28' No. of Mallard Drive | 428' No. of Mallard | Bituminous | 400 | 27 | 1 | Bituminous Conc Surf Cse | 1200 |
| | | | | | | | TOTAL | 8687 |
| Oxford Street | Walnut Street | Downing Drive | Oil & Chip | 1800 | 24 | 2 | Oil & Chip | 4800 |
| State Street | Mulberry Street | Chestnut Street | Oil & Chip | 350 | 26 | 2 | Oil & Chip | 1011 |
| Park Avenue | Spruce Street | Community Park | Oil & Chip | 2500 | 20 | 2 | Oil & Chip | 5556 |
| El Camino Real | South Main Street | West Terminal | Oil & Chip | 250 | 20 | 2 | Oil & Chip | 556 |
| Southgate | South Main Street | West Terminal | Oil & Chip | 250 | 20 | 2 | Oil & Chip | 556 |
| Rock Road | South Main Street | West Terminal | Oil & Chip | 810 | 12 | 2 | Oil & Chip | 1080 |
| * Covered Bridge Rd | South Main Street | TR 1.25 West | Oil & Chip | 7500 | 20 | 2 | Oil & Chip | 16667 |
| Ostermeier Road | Covered Bridge Road | Southerly to the Chatham/Ball Twp Lines | Oil & Chip | 3300 | 15 | 2 | Oil & Chip | 5500 |
| | | | | | | | TOTAL | 35726 |
| NON-MFT | (To be bid with MFT) | | | | | | | |
| Dewberry Trail | within Community Park | | Oil & Chip | 300 | 22' | 2 | Oil & Chip | 733 |
| Covered Bridge Road | Chatham/Ball Twp Line Easterly | | Oil & Chip | 600 | 20' | 2 | Oil & Chip | 1333 |
| Memorial Cemetery | Roads within Memorial Cemetery | | Oil & Chip | 1500' | 10' | 2 | Oil & Chip | 1667 |
| | | | | | | | | 3733 |
| * LESS 600' to be paid NON-MFT | | | | | | | | |

Submit Four (4) copies to District Engineer



Illinois Department of Transportation

Resolution for Maintenance of Streets and Highways By Municipality Under the Illinois Highway Code

BE IT RESOVLED, by the President and Board of Trustees of the (Council or President and Board of Trustees)

Village of Chatham, Illinois, that there is hereby (City, Town or Village) (Name)

appropriated the sum of \$ 130,000 of Motor Fuel Tax funds for the purpose of maintaining streets and highways under the applicable provisions of the Illinois Highway Code, from January 1, 19 99 to December 31, 19 99.

BE IT FURTHER RESOLVED, that only those streets, highways, and operations as listed and described on the approved Municipal Estimate of Maintenance Costs, including supplemental or revised estimates approved in connection with this resolution, are eligible for maintenance with Motor Fuel Tax funds during the period as specified above.

BE IT FURTHER RESOLVED, that the Clerk shall, as soon as practicable after the close of the period as given above, submit to the Department of Transportation, on forms furnished by said Department, a certified statement showing expenditures from and balances remaining in the account(s) for this period; and

BE IT FURTHER RESOLVED, that the Clerk shall immediately transmit two certified copies of this resolution to the district office of the Department of Transportation, at Springfield, Illinois.

I, Mr. Robert Krueger, Clerk in and for the Village of Chatham, Sangamon County of

hereby certify the foregoing to be a true, perfect and complete copy of a resolution adopted by the President & Board of Trustees at a meeting on March 9, 19 99

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 9th day of March A.D. 19 99

(Signature of Robert Krueger) Village Clerk



APPROVED Department of Transportation 19 District Engineer



The services to be performed by the engineer, pertaining to the various items of work included in the estimated cost of maintenance operations (BLR 8202 or 8205), shall consist of the following:

PRELIMINARY ENGINEERING shall include:

Investigation of the condition of the streets or highways for determination (in consultation with the local highway authority) of the maintenance operations to be included in the maintenance program; preparation of the maintenance resolution, estimate and proposal; attendance at meetings of the governing body as may reasonably be required; attendance at public letting; preparation of the contract or acceptance of proposal forms; and the preparation of the maintenance expenditure statement.

ENGINEERING INSPECTION shall include:

Furnishing the engineering field inspection (including preparation of payment estimates and/or checking material invoices) of those maintenance operations requiring professional on-site inspection, as opposed to those ordinary operations such as street sweeping, snow removal, tree trimming, crack filling, cleaning ditches and culverts, etc., which typically require no professional inspection.

For furnishing preliminary engineering, the engineer will be paid a base fee PLUS a negotiated fee percentage. For furnishing engineering inspection the engineer will be paid a negotiated fee percentage. The negotiated preliminary engineering fee percentage for each group shown in the "Schedule of Fees" shall be applied to the total estimated costs of that group. The negotiated fee for engineering inspection for each group shall be applied to the total final cost of that group for the items which required engineering. (See reverse side for additional instructions). In no case shall this be construed to include supervision of contractor operations.

SCHEDULE OF FEES

| BASE FEE | | | | | |
|--|--------------------------|------------------|------------------------|------------------|---------------------------------|
| Programs of \$15,000 or Less Negotiated (\$1,000 Maximum) | Over \$15,000 \$1,000 | | | | |
| PLUS | | | | | |
| Group | Preliminary Engineering | | Engineering Inspection | | Operation to be Inspected, Etc. |
| | Acceptable Fee % | Negotiated Fee % | Acceptable Fee % | Negotiated Fee % | |
| I | NA | NA | NA | NA | NA |
| II | 2 % | 1.5% | NA | NA | NA |
| III | 4 % | 4.0% | 4 % | | |
| IV | 5 % | | 6 % | 6% | |

SIGNATURES

BY: *Michael J. Williams*
Local Agency Official

Greene & Bradford, Inc.
Consulting Engineer

Village President
Title

By: _____
(P.E. Seal)

3-9-99
Date

Date

| Group | Typical Operation Within Group |
|-------|---|
| I | Non engineering items, materials or services purchased without a proposal, i.e. electrical energy, expendable small tools. |
| II | Routine day labor maintenance items, i.e. street sweeping, tree trimming or removal, mowing, ice and snow control, cleaning ditches, brush removal, traffic signal maintenance, lighting maintenance and purchases by a proposal of materials not directly incorporated into the work. Items requiring minimum preliminary engineering and no engineering inspection. |
| III | Day labor maintenance items requiring material proposal. Items furnished and spread or delivered to jobsite by material suppliers. Items requiring preliminary engineering and/or engineering inspection. |
| IV | Contract maintenance items performed by contractors. Items requiring preliminary engineering and/or engineering inspection. |

Notes:

- (1) The negotiated fee shall not exceed the acceptable fee percentage for each group and shall be negotiated based on the level of complexity involved.
- (2) PRELIMINARY ENGINEERING: The negotiated fee for each group shall be applied to the total estimated costs of those items in that group (excluding engineering cost).
- (3) ENGINEERING INSPECTION: To compute the estimated cost, the negotiated fee for each group shall be applied to the total estimated cost of those items in that group to be inspected. The actual fee paid shall be based on the final costs of those items in that group given field inspection by the Engineer.
- (4) Payment for maintenance engineering may be arranged.:
 - (a) On the basis of base fees plus percentage fees not to exceed the fees listed, or
 - (b) On the basis of the actual costs of services plus a specified percentage for overhead, or
 - (c) On the basis of a lump sum fee.

* If method (b) or (c) is employed, the total engineering cost shall not be greater than the amount determined under method (a).
- (5) Ten percent of the total fee is to be withheld until such time as the expenditure statement is submitted and the final cost of inspected items is known.
- (6) Each maintenance operation shown on the "Estimate of Maintenance Costs" shall show the applicable engineering Group (I to IV) for which the operation applies.
- (7) Base fee applies only to preliminary engineering.