



# CONTRACT DATA SHEET

Monroe County Division of Purchasing  
200 County Office Building, Rochester NY 14614

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**TITLE:** 2011 HIGHWAY MATERIALS – GROUP II

**CONTRACT #:** 0207-11

**CONTRACT DATES:** 04/01/11 – 03/31/12

**BUYER:** SHARON A. BERNDT  
**PHONE:** 585/753-1110  
**FAX:** 585/753-1104

**VENDOR(S):** VARIOUS – PER ATTACHED LIST

**BP #0208-10  
HIGHWAY MATERIALS – GROUP II**

<b>SAP Contract#</b>	<b>VENDOR</b>	<b>AWARDED</b>
4700006743	104 CONTRACTORS INC PO BOX 46 UNION HILL NY 14563 585-265-2070	Topsoil, Fill Dirt
4700006744	ALLIED BUILDING PRODUCTS KEYSTONE DIVISION 1075 BUFFALO ROAD ROCHESTER NY 14624-1814 585-328-1300	Detectable Warning Paver Brick, Speedcrete Blue Line, Masterflow 648 & 713, Black Beauty, 656-2 Calcium Chloride, Bitutane Edge Mastic, Woven Polyethelene Nylon Sheets (40'x100')
4700006776	AMERICAN GREEN LANDSCAPE 2368 MANITOU ROAD SPENCERPORT NY 14559 585-352-4843	Topsoil
4700006778	AMERICAN RENTALS LLC DBA/VOLVO RENTS 299 JEFFERSON ROAD ROCHESTER NY 14623 585-292-9870	Snow Fence / Post, Erosion Control Silt Fence, Bridge Maintenance items per attached price sheets
4700006746	AMERICAN TOPSOIL & TRUCKING 4577 CORY CORNERS ROAD MARION, NY 14505 315-310-7005	Topsoil – Screened & Unscreened, Fill Dirt
4700006747	BARRE STONE PRODUCTS INC 14120 WEST LEE ROAD ALBION NY 14411-9327 585-589-4483	Asphalt Concrete Asphalt Courses, Stone Aggregate (Quarry), Topsoil, Fill Dirt, Select Fill
4700006748	CHEMUNG SUPPLY CORPORATION PO BOX 527 ELMIRA NY 14902-0527 607-733-5506	Drainage Items per attached price sheets
4700006749	DOLOMITE PRODUCTS CO INC 1150 PENFIELD ROAD ROCHESTER NY 14625-2202 585-637-6834	Stone Aggregate (Quarry), Stone Aggregate (Gravel Pit)
4700006750	ELAM SAND & GRAVEL CORPORATION PO BOX 65 WEST BLOOMFIELD NY 14585-0065 585-657-8001	Topsoil, Fill Dirt, Select Fill
4700006751	HAMLIN SAND & GRAVEL INC. PO BOX 24 HAMLIN, NY 14464 585-964-3128	Stone Aggregate (Gravel Pit), Topsoil, Fill Dirt, Select Fill
4700006752	HANSON AGGREGATES NEW YORK INC 6895 ELLICOTT STREET PAVILION NY 14525-9614 585-584-3132	Asphalt Concrete Asphalt Courses, Stone Aggregate (Quarry), Select Fill and Material Hauling

<b>SAP Contract#</b>	<b>VENDOR</b>	<b>AWARDED</b>
4700006753	HIGH POINT MILLS INC (PROGRESSIVE LAWN RESEARCH) 1225 LEHIGH STATION ROAD HENRIETTA NY 14467 585-334-4574	Turfline Ice Melter
4700006754	I M U S INC 9035 DRIFTWOOD DRIVE AVA NY 13303 800-257-5808	Asphalt Concrete Asphalt Courses, Organic Based Snow & Ice Products, Organic Based Snow and Ice Products - Mixed
4700006755	IROQUOIS ROCK PRODUCTS INC 1150 PENFIELD ROAD ROCHESTER NY 14625-2202 585-637-6834	Asphalt Concrete Asphalt Courses, Stone Aggregate (Quarry)
4700006773	KEELER CONSTRUCTION CO., INC. 13519 WEST LEE ROAD ALBION, NY 14411 585-589-4481	Stone Aggregate (Quarry)
4700006756	LAKELANDS CONCRETE PRODUCTS 7520 EAST MAIN STREET LIMA NY 14485 585-624-1990	Drainage Items per attached price sheets
4700006757	LITTLE FALLS LUMBER 1005 CHILI AVENUE ROCHESTER, NY 14611 585-273-0120	Surface Applied Detectable Warning Materials, Embedded Preformed Detectable Warning Materials, Mortar/Concrete, Geotextile Fabrics, Bridge Maintenance Items per attached sheets
4700006758	MACEDON LANDSCAPING INC 1711 NORTH WAYNEPORT ROAD MACEDON NY 14502-9198 585-223-6421	Stone Aggregate (Gravel Pit), Topsoil – Screened/CY & Hauling
4700006759	MANITOU CONCRETE COMPANY INC 1260 JEFFERSON ROAD ROCHESTER NY 14623 585-424-6410	Concrete Mixes Delivered – Class A, concrete Grouting Material, Flowable Fill (Pure Waters Blend)
4700006774	MILLER BRICK CO 734 RIDGEWAY AVENUE ROCHESTER NY 14615 585-458-7745	Common Sewer Brick, Patio Pavers, Highway Common Brick – Full Height and Half Height
4700006772	MILLENNIUM ROADS, LLC 12118 E. YATES CENTER ROAD LYNDONVILLE NY 14098 585-765-2621	Organic Based Snow and Ice Products, Organic Based Snow and Ice Products - Mixed
4700006765	MONROE ROADWAYS 300 HOGAN ROAD FAIRPORT, NY 14450 585-223-2660	Topsoil – Screened & Unscreened
4700006760	MORRISON EXCAVATING INC 740 QUAKER ROAD MACEDON NY 14502 315-986-8300	Topsoil & Hauling

<b>SAP Contract#</b>	<b>VENDOR</b>	<b>AWARDED</b>
4700006766	NORTHERN NURSERIES INC 7532 PITTSFORD-PALMYRA ROAD FAIRPORT NY 14450 585-223-3311	Grass Seed
4700006761	NORTHRUP MATERIALS 5251 SWEDEN WALKER ROAD PO BOX K55 BROCKPORT, NY 14420 585-739-0265	Concrete Mixes Delivered – Class D, Controlled Low Strength Materials
4700006762	R M LANDSCAPE INDUSTRIES INC 293 PECK ROAD HILTON NY 14468 585-392-7120	Topsoil, Fill Dirt, Select Fill, Mortar Sand, Grout Sand, Concrete Sand, Material Hauling
4700006775	RE-SURFACE, INC. 754 BROOKS AVENUE ROCHESTER, NY 14619 585-436-6306	Topsoil – Screened & Unscreened
4700006763	ROCHESTER ASPHALT MATERIALS INC 1150 PENFIELD ROAD ROCHESTER NY 14625 585-381-1901	Asphalt Concrete Asphalt Courses
4700006768	SYRACUSE CASTINGS SALES CORP PO BOX 1821 CICERO NY 13039-1821 315-699-2601	Prefabricated Adjustment Rings for Manholes, 12” Cast Iron Frame and Hinged Grate
4700006769	VALLEY SAND & GRAVEL INC 94 RIVER ROAD PO BOX 220 SCOTTSVILLE NY 14546 585-889-3078	#2 Crusher Run, #1 Washed Crushed Stone, 3/8” Washed Stone, #1A Washed Stone, #2 Washed Stone, Screened Gravel, Fill Dirt, Select Fill, Concrete Sand
4700006764	VILLAGER CONSTRUCTION, INC. 425 OLD MACEDON CENTER ROAD FAIRPORT, NY 14450 585-223-7697	Asphalt Concrete Asphalt Courses, Topsoil, Fill Dirt, Select Fill

**TERMS AND CONDITIONS**

**BID ITEM:** 2011 HIGHWAY MATERIALS – GROUP II

**FOR:** Department of Transportation

**DEPARTMENT CONTACT:** Timothy Frelier, (585) 753-7731

**DUPLICATE COPIES:** **PLEASE SUBMIT YOUR BID IN DUPLICATE; THE ORIGINAL AND ONE (1) COPY.**

**BID INFORMATION:** At the time of bid, the bidder shall supply detailed specifications covering the item(s) contained herein and shall clearly indicate any areas in which item or items offered do not fully comply with the specifications contained herein.

**SUBMITTAL OF FORMAL PROPOSAL:** Bid proposal must be legible and submitted in the original form, bearing an original signature. **EMAILS AND FACSIMILES ARE NOT ACCEPTABLE.**

All bidders must submit proof that they have obtained the required **Workers' Compensation** and **disability benefits** coverage or proof that they are exempt.

**SPECIFICATION ALTERATIONS:** Specifications will be construed to be complete and be considered the entire description of the goods or services upon which Monroe County is now seeking bids. **Only formal written addenda can materially alter this set of specifications.** No verbal statement made by a Monroe County employee or anyone else is binding nor shall such statement be considered an official part of this public bid proposal.

**WAGE RATES:** Contractor agrees to comply with the provisions of the New York State Labor Law relating to the payment of prevailing wage rates to the extent that such rules may be applicable to the Contractor. Wage rates may be obtained at [www.labor.state.ny.us](http://www.labor.state.ny.us)

**QUANTITIES:** The quantities listed are the estimated annual requirements and should not be construed to represent either maximum or minimum quantities to be ordered during the contract term.

**BRAND REFERENCE:**

References to a manufacturer's product by brand name or number are done solely to establish the minimum quality and performance characteristics required. Bidders may submit bids on alternates, but must attach two (2) copies of manufacturer specifications for any alternate at the time of the bid. Further, the bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a bidder's alternate rests solely with Monroe County.

**QUALIFIED BIDDER:**

Each bidder must be prepared to present satisfactory proof of his capacity and ability to perform this contract. Such proof may include, but is not limited to, an inspection of the bidder's facilities and equipment, financial statements, references and performance of similar contracts. **The Purchasing Manager reserves the right to reject any bid where the bidder cannot satisfy the County as to their ability to perform. Monroe County reserves the right to reject any and all bids** if the Monroe County Purchasing Manager deems said action to be in the best interests of Monroe County.

**METHOD OF  
AWARD:**

Monroe County intends to award one or more contract(s) to the lowest responsive and responsible bidder(s). The County reserves the right to award the bid as a **whole or by Group or item, whichever method is in the best interest of the County. Separate awards will be considered only when the price offered is great enough to offset the additional costs inherent to multiple contracts.** Bidders are not required to bid on every Group included in the bid; however, they must bid on every item within each Group in order to be considered. **The County reserves the right to reject any and all bids** if the Purchasing Manager deems said action to be in the best interest of the County.

**CONTRACT TERM:**

Contract will start with the date of the contract award and run through **March 31, 2012**, with the option to renew the contract up to four (4) additional twelve (12) month periods with the mutual consent of both parties.

**PRICE CHANGES:**

Price changes may be proposed by either party no later than forty-five (45) days prior to contract extension, based upon manufacturer price changes which must be supported with documentation. Should price changes not be acceptable to both parties, the contract will not be extended. Prices may change only at the time of extension.

**MINIMUM ORDER:**

No minimum order is specified for this contract. Agencies must be able to order as needed. **Political subdivisions and others authorized by law may participate in this contract.**

**DELIVERY:** All deliveries to be F.O.B. Monroe County to agency as specified by a Purchase Order. Delivery costs must be built into the unit prices bid. Deliveries must be made within **two (2) weeks** after receipt of purchase order number. The County reserves the right to terminate the contract in the event the specified delivery time is not met.

**PURCHASE ORDER ISSUANCE:** Delivery of services may be directed by the receipt of a Purchase Order only. **Items that are not part of this bid will not be paid for by Monroe County.** As to all purchase orders issued by Monroe County, exceptions may only be authorized, in writing, by the Purchasing Manager or his authorized agent prior to delivery.

**BILLING PROCEDURE:** All invoices for items sold any authorized agency as a result of this contract must be billed in the following manner: Purchase Order #, Quantity, Description of Item Purchased, BP#, Item #, Extension and Total. **ALL INVOICES MUST BE MARKED WITH THE PURCHASE ORDER NUMBER. INVOICES WITHOUT THIS INFORMATION WILL NOT BE PROCESSED FOR PAYMENT.**

**WARRANTY/ GUARANTEE:** All warranties by manufacturer shall apply. Bidder shall, as part of its proposal, furnish its warranty/guarantee for all goods/services to be furnished hereunder. As a minimum, Bidder shall warrant all goods for a period of one (1) year from date of acceptance. Bidder shall be obligated to repair or replace all defects in material or workmanship which are discovered or exist during said period. All labor, parts and transportation shall be at Bidder's expense.

**SECURITIES AND INSURANCE:** Any Certificate of Insurance, Bonds or other forms of security required by this bid are to be submitted to the Purchasing Manager no later than ten (10) normal business days following the date of notification of award. Documents must be received by the close of business, 5:00 PM, on that day.

**COMPLIANCE WITH THE LAW:** The Contractor agrees to procure all necessary licenses and permits. The Contractor shall comply with all laws, rules and regulations pertaining to the payment of wages and all other matters applicable to the work performed under this contract.

**UNCONTEMPLATED PURCHASES:** Monroe County reserves the right to request separate bids for such quantities of items on this contract that may be best procured via separate public bid offering and to otherwise act in furthering its own best interests.

**SUBCONTRACT:** The Contractor shall not subcontract any work without first obtaining the written consent of the Monroe County Purchasing Manager.

**RELATED ITEMS:**

The County reserves the right to add miscellaneous related items to this contract during the contract term upon agreement by both parties as to the price. Approval must be given in writing by the Purchasing Manager or his Designee.

**REPORT OF  
PURCHASE:**

The Contractor must, upon request, provide the County Purchasing Manager with detailed information showing how much of each item was delivered, to any and all agencies under this contract. This includes deliveries to not only the County but any other municipality or agency which orders from this contract.

**OTHER AGENCIES:**

The Contractor(s) **must** honor the prices, terms and conditions of this contract with political subdivisions or districts located in whole or in part within Monroe County. In addition, the contractor **may**, but is not required to, extend the prices, terms and conditions of this contract to any political subdivision or district located in New York State. Usage of this contract by any of these other political subdivisions or districts will have to be coordinated between that subdivision or district and the contractor. Orders placed against this contract between any subdivision or district will be contracts solely between the Contractor(s) and those entities. Monroe County will not be responsible for, nor will it have any liability or other obligation for, such contract between the Contractor(s) and any third party.

**INDEMNIFICATION:**

The Contractor agrees to defend, indemnify and save harmless the County, its officers, agents, servants and employees from and against any and all liability, damages, costs or expenses, causes of action, suits, judgments, losses and claims of every name not described, including attorneys' fees and disbursements, brought against the County which may arise, be sustained, or occasioned directly or indirectly by any person, firm or corporation arising out of or resulting from the performance of the services by the Contractor, arising from any act, omission or negligence of the Contractor, its agents and employees, or arising from any breach or default by the Contractor under this Agreement. Nothing herein is intended to relieve the County from its own negligence or misfeasance or to assume any such liability for the County by the Contractor.

# Monroe County Department of Transportation

## **2011 Highway Material Group II**

### **Technical Specifications**

The specification item description will provide the reference between the technical specification and the price bid sheet proposal.

**ITEM \_\_\_\_\_ ASPHALT CONCRETE HOT MIX COURSES**

**DESCRIPTION:**

Provide asphalt concrete material at the vendor’s plant F.O.B. utilizing County trucks.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 400, latest revision, for asphalt concrete materials with the following exceptions.

The aggregate gradation for the following mixes shall be as follows:

Sieve	Flexible Overlay/ Smooth Seal	Flexible Top	MC1 Binder
	% Passing	% Passing	% Passing
1”		100	100
1/2”	100	95 – 100	90 – 100
1/4”	90 – 100	78 – 98	60 – 85
1/8”	65 – 85	34 – 58	42 – 72
# 20	30 – 45	12 – 30	18 – 42
# 40	18 – 35	6 – 22	12 – 32
# 80	8 – 15	4 – 12	6 – 18
# 200	3 - 8	2 – 6	2 - 18
Asphalt Content %	6.0 – 8.0	5.7 – 6.7	5.0 – 6.5

The following mixes shall be made produced utilizing performance graded binders meeting the criteria for PG 64-28:

- True & Leveling F9, Superpave HMA, (< 0.3 M ESAL’s)
- True & Leveling F9, Superpave HMA, (< 3 M ESAL’s)
- Shim Course F9, Superpave HMA, (< 0.3 M ESAL’s)
- Shim Course F9, Superpave HMA, (< 3 M ESAL’s)
- 6.3mm F2 Polymer modified HMA (< 3 M ESAL’s)
- Top Course 9.5 mm F2 Superpave HMA, (< 0.3 M ESAL’s)
- Top Course 9.5 mm F2 Superpave HMA, (< 3 M ESAL’s)
- Top Course 12.5 mm F2 Superpave HMA, (< 0.3 M ESAL’s)
- Top Course 12.5 mm F2 Superpave HMA, (< 3M ESAL’s)
- Binder Course 19 mm F9 Superpave HMA, (< 0.3 M ESAL’s)
- Binder Course 19 mm F9 Superpave HMA, (< 3 M ESAL’s)

**ITEM \_\_\_\_\_ ASPHALT CONCRETE HOT MIX COURSES**

**ASPHALT PRICE ADJUSTMENTS:**

Asphalt price adjustments will be made according to the provisions provided in the asphalt adjustment appendix.

**BASIS OF AWARD:**

The County or a local municipal subdivision will select the asphalt vendor based upon the lowest total cost of the following elements:

1. Round trip distance (in miles) from the asphalt plant to the midpoint of the project multiplied by \$0.40 per english ton of asphalt per mile.
2. Material cost.
3. Production rate of asphalt material for project at the plant.
4. The County reserves the right to select the asphalt vendor for projects that do not require a paver and/or are less than 200 english tons per day.

**QUALIFICATION OF BIDDER:**

No bid will be considered unless firm submitting same can meet the following conditions:

1. That it owns or leases, manages and controls a plant adequate for and devoted to the manufacture of the item which it proposes to furnish.
2. Material furnished under these contracts shall be produced in an approved bituminous mixing plant meeting the requirements outlined in Section 401 or 402 of the New York State Department of Transportation Standard Specifications, latest revision. An approved plant shall be in operation at the location indicated by bidder herein within the (12) twelve month period prior to the bid opening date.
3. Bidder must indicate in the Invitation for Bids, plant locations and/or the NYS DOT Facility number from which material will be supplied in the event of award.

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for shall be measured by the English Ton.

**ITEM \_\_\_\_\_ ASPHALT CONCRETE HOT MIX COURSES**

**BASIS OF PAYMENT:**

The bid price will be for material by the English ton

Payment will be made under:

<b>Item No.</b>	<b>Item Description</b>	<b>Pay Unit</b>
	Type 1 Base Course	Ton
	Type 1 Base Course (Recycled)	Ton
	Type 3 Binder Course	Ton
	Type 3 Binder Course (Recycled)	Ton
	Type MC1 Binder Course	Ton
	Type MC1 Binder Course (Recycled)	Ton
	Type 5 Shim Course	Ton
	Type 6F Top Course	Ton
	Type 6F Top Course (Recycled)	Ton
	Type 7F Top Course	Ton
	Type 7F Top Course (Recycled)	Ton
	Flexible Overlay/Smooth Seal	Ton
	Flexible Top	Ton
	6.3mm F2 Polymer modified HMA	Ton
	True & Leveling F9, Superpave HMA, (< 0.3 M ESAL's)	Ton
	True & Leveling F9, Superpave HMA, (< 3 M ESAL's)	Ton
	Shim Course F9, Superpave HMA, (< 0.3 M ESAL's)	Ton
	Shim Course F9, Superpave HMA, (< 3 M ESAL's)	Ton
	Top Course 9.5 mm F2 Superpave HMA, (< 0.3 M ESAL's)	Ton
	Top Course 9.5 mm F2 Superpave HMA, (< 3 M ESAL's)	Ton
	Top Course 12.5 mm F2 Superpave HMA, (< 0.3 M ESAL's)	Ton
	Top Course 12.5 mm F2 Superpave HMA, (< 3M ESAL's)	Ton
	Binder Course 19 mm F9 Superpave HMA, (< 0.3 M ESAL's)	Ton
	Binder Course 19 mm F9 Superpave HMA, (< 3 M ESAL's)	Ton

**ITEM \_\_\_\_\_ PLANT MIXED ASPHALT PATCHING MATERIAL**

**DESCRIPTION:**

This material shall be a plant mixed pavement patching material capable of storage in a stockpile composed of mineral aggregates, bituminous materials, and polymer fibers. The mix provided shall conform to one of the asphalt mixtures described in the Table of Composition herein.

Regardless of the material provided, it shall be uniform, workable, and have satisfactory setting properties at the time of delivery.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 401, latest revision, except as modified herein.

1. Aggregates - Fine aggregate shall conform to section NYSDOT Section 703-01, Fine Aggregate. Course aggregate shall conform to NYSDOT Section 703-02, Coarse Aggregate. Crushed stone, crushed gravel, or approved crushed slag may be used.
2. Mineral Filler - Mineral filler, if used, shall conform to the requirements of NYSDOT Section 703-08, Mineral Filler.
3. Bituminous Materials - The bituminous material shall conform to the requirements outlined in NYSDOT Section 702, Bituminous Materials, or the Producer may elect to use an alternative bituminous material with or without modifying agents. Prior approval shall be obtained from the Associate Engineer - Highways for the use of alternative materials. For any bituminous material not listed in NYSDOT Section 702, Bituminous Materials, the Producer shall provide specifications for the alternative material to the Associate Engineer – Highways for approval.
4. Anti-Stripping Mixtures - An anti-stripping agent approved by the Associate Engineer - Highways shall be used as needed to meet the stripping test requirements. This may be incorporated with the bituminous material at the refinery or at the mixing plant.

Composition or Mixtures: The aggregate gradation, fiber and bituminous material quantities shall meet the requirements noted below.

The Producer shall submit a Job Mix Formula on forms available at the NYSDOT Regional Offices. The following information shall be provided with the Job Mix Formula submission:

- a. Aggregate gradation band and aggregate types.
- b. Bituminous Material - amount and type.
- c. Fiber Material - description and quantity.
- d. Description and quantities of additives, if used.
- e. Temperature ranges for material preparation.

**ITEM \_\_\_\_\_ PLANT MIXED ASPHALT PATCHING MATERIAL**

The Job Mix Formula shall be submitted to MCDOT for approval.. The Job Mix Formula shall be approved by the Associate Engineer – Highways and received by the Producer prior to the production of any mixture.

**TABLE OF COMPOSITION  
FIBER REINFORCED ASPHALT PATCHING MIXTURES  
GENERAL LIMITS AND JOB MIX FORMULA TOLERANCES**

Sieve Size	Coarse Mix		Intermediate Mix		Fine Mix	
	% Passing	Tol (1)	% Passing	Tol (1)	% Passing	Tol (1)
1”	100	-				
1/2”	95 - 100	-	100	-	100	-
1/4”	55 - 75	+5	90 - 100	-	90 - 100	-
1/8”	15 - 40	+6	12 - 40	+6	35 - 60	+6
#80	0 - 5	+2	0 - 5	+2	2 - 10	+3
#200	-		-		0 - 5	+2
Bituminous Material	4.0 - 7.5	+0.4	4 - 8	+0.4	5.5 - 8.0	+0.4

- (1) All aggregate percentages are based on the total weight of the aggregate.
- (2) Bituminous material percentage is based on the total weight of the mix and shall include any additives.

Preparation of Mixtures: The aggregate shall be introduced into the pugmill at a temperature to eliminate free moisture on the aggregate surface. The mixture temperature shall be no greater than 215 deg. F. The net mixing time shall be sufficient to insure uniform coating after all materials are in the pugmill. Preparation of the mixture shall conform to the specification requirements outlined in NYSDOT Section 401, Plant Mix Pavements - General, except that automatic proportioning and recording equipment is not required.

Inspection, Testing & Acceptance: The Producer shall contact the MCDOT Associate Engineer – Highways having jurisdiction for his plant to arrange for an independent testing firm’s Inspector to inspect the preparation of mixtures. If inspection is not performed at the time of mixture preparation, samples from the stockpile shall be tested by the Department to determine the acceptability of the mixture prior to use for patching.

The following stripping test shall be conducted on the plant mixed material:

**STRIPPING TEST:**

A suitable size sample of the plant mixed material shall be permitted to cure at normal laboratory temperature for at least 24 hours after which it shall be placed in a glass jar, fitted with a tight cover, and completely covered with distilled water. The jar and contents shall then

**ITEM \_\_\_\_\_ PLANT MIXED ASPHALT PATCHING MATERIAL**

be allowed to stand for a period of 24 hours at normal laboratory temperature (approximately 70 deg. F.). The sample shall then be shaken vigorously for a period of 15 minutes. The water shall then be poured from the jar and the sample removed to a flat surface and be permitted to air dry after which it shall be visually examined for stripping of the bituminous film from the aggregate. The aggregate surfaces shall be at least 90 percent coated with bituminous film. Fibers stripped of bituminous material shall not be included as part of the determination of bituminous material stripping from aggregate surfaces.

The initial approval of a mixture or the initial acceptance of material shall in no way preclude further examination and testing if unsatisfactory results are achieved. The acceptance at any time shall not bar its future rejection.

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for shall be measured by the English Ton.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Item Description</b>	<b>Pay Unit</b>
	Plant Mixed Asphalt Patching Material	Ton

**ITEM \_\_\_\_\_ MODIFIED PLANT MIXED ASPHALT PATCHING MATERIAL**

**DESCRIPTION:**

This material shall be a plant mixed pavement patching material capable of storage in a stockpile composed of mineral aggregates, bituminous materials, and polymer fibers. The mix provided shall conform to one of the asphalt mixtures described in the Table of Composition herein.

Regardless of the material provided, it shall be uniform, workable, and have satisfactory setting properties at the time of delivery.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 401, latest revision, except as modified herein.

1. Aggregates - Fine aggregate shall conform to section NYSDOT Section 703-01, Fine Aggregate. Course aggregate shall conform to NYSDOT Section 703-02, Coarse Aggregate. Crushed stone, crushed gravel, or approved crushed slag may be used.
2. Mineral Filler - Mineral filler, if used, shall conform to the requirements of NYSDOT Section 703-08, Mineral Filler.
3. Bituminous Materials - The bituminous material shall be one of the following or an approved equal:

BRAND NAME	SUPPLIER
UPM	UNIQUE PAVING MATERIALS
MC-400P	KOCH MATERIALS CO.
QPR	QPR, A DIVISION OF LAGARGE N.A.
SK-MOD	SUIT KOTE CORP.
NORJOHN SPC	NORJOHN LTD.
DUROPATCH 115	GORMAN BROS.
I.A.R.	I.M.U.S., INC.
MAC-V	MIDLAND ASPHALT CORP.
BOND X	SEABOARD ASPHALT PRODUCTS, INC.
SYLCRETE EV	SYLCRETE CORP.
HYPERPATCH	VESTAL ASPHALT, INC.
PERFORMIX	SEABOARD ASPHALT PRODUCTS, INC.
OPTIMIX	OPTIMIX, INC.
TOP MIX	TECH MIX
PARCO PATCH	PECKHAM MATERIALS CORP.

**ITEM \_\_\_\_\_ MODIFIED PLANT MIXED ASPHALT PATCHING MATERIAL**

4. Anti-Stripping Mixtures - An anti-stripping agent approved by the Associate Engineer - Highways shall be used as needed to meet the stripping test requirements. This may be incorporated with the bituminous material at the refinery or at the mixing plant.

Composition or Mixtures: The aggregate gradation, fiber and bituminous material quantities shall meet the requirements noted below.

The Producer shall submit a Job Mix Formula on forms available at the NYSDOT Regional Offices. The following information shall be provided with the Job Mix Formula submission:

- a. Aggregate gradation band and aggregate types.
- b. Bituminous Material - amount and type.
- c. Fiber Material - description and quantity.
- d. Description and quantities of additives, if used.
- e. Temperature ranges for material preparation.

The Job Mix Formula shall be submitted to MCDOT for approval.. The Job Mix Formula shall be approved by the Associate Engineer – Highways and received by the Producer prior to the production of any mixture.

**TABLE OF COMPOSITION  
FIBER REINFORCED ASPHALT PATCHING MIXTURES  
GENERAL LIMITS AND JOB MIX FORMULA TOLERANCES**

Sieve Size	Coarse Mix		Intermediate Mix		Fine Mix	
	% Passing	Tol (1)	% Passing	Tol (1)	% Passing	Tol (1)
1"	100	-				
1/2"	95 - 100	-	100	-	100	-
1/4"	55 - 75	+5	90 - 100	-	90 - 100	-
1/8"	15 - 40	+6	12 - 40	+6	35 - 60	+6
#80	0 - 5	+2	0 - 5	+2	2 - 10	+3
#200	-		-		0 - 5	+2
Bituminous Material	4.0 - 7.5	+0.4	4 - 8	+0.4	5.5 - 8.0	+0.4

- (1) All aggregate percentages are based on the total weight of the aggregate.
- (2) Bituminous material percentage is based on the total weight of the mix and shall include any additives.

Preparation of Mixtures: The aggregate shall be introduced into the pugmill at a temperature to eliminate free moisture on the aggregate surface. The mixture temperature shall be no greater than 215 deg. F. The net mixing time shall be sufficient to insure uniform coating after all

**ITEM \_\_\_\_\_ MODIFIED PLANT MIXED ASPHALT PATCHING MATERIAL**

materials are in the pugmill. Preparation of the mixture shall conform to the specification requirements outlined in NYSDOT Section 401, Plant Mix Pavements - General, except that automatic proportioning and recording equipment is not required.

Inspection, Testing & Acceptance: The Producer shall contact the MCDOT Associate Engineer – Highways having jurisdiction for his plant to arrange for an independent testing firm’s Inspector to inspect the preparation of mixtures. If inspection is not performed at the time of mixture preparation, samples from the stockpile shall be tested by the Department to determine the acceptability of the mixture prior to use for patching.

The following stripping test shall be conducted on the plant mixed material:

**STRIPPING TEST:**

A suitable size sample of the plant mixed material shall be permitted to cure at normal laboratory temperature for at least 24 hours after which it shall be placed in a glass jar, fitted with a tight cover, and completely covered with distilled water. The jar and contents shall then be allowed to stand for a period of 24 hours at normal laboratory temperature (approximately 70 deg. F.). The sample shall then be shaken vigorously for a period of 15 minutes. The water shall then be poured from the jar and the sample removed to a flat surface and be permitted to air dry after which it shall be visually examined for stripping of the bituminous film from the aggregate. The aggregate surfaces shall be at least 90 percent coated with bituminous film. Fibers stripped of bituminous material shall not be included as part of the determination of bituminous material stripping from aggregate surfaces.

The initial approval of a mixture or the initial acceptance of material shall in no way preclude further examination and testing if unsatisfactory results are achieved. The acceptance at any time shall not bar its future rejection.

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for shall be measured by the English Ton.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Item Description</b>	<b>Pay Unit</b>
	Modified Plant Mixed Asphalt Patching Material	Ton

**ITEM \_\_\_\_\_ RECRUSHED ASPHALT MILLINGS & ASPHALT MILLINGS CREDIT**

**DESCRIPTION:**

- A. Provide a credit for asphalt millings accepted at a specific location, from Monroe County or one of its political subdivisions, to be recycled as a 1¼” minus asphalt milling subbase.
- B. Provide recrushed processed asphalt milling material F.O.B. at vendor’s plant utilizing County trucks.

**MATERIAL REQUIREMENT:**

Material provided (incoming and outgoing) shall be exclusively asphalt pavement free from soil organics, or other deleterious materials.

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for (or credited) shall be measured by the English Ton, where an approved scale is available.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Item Description</b>	<b>Pay Unit</b>
	Asphalt Millings Credit	Ton
	Recrushed Asphalt Millings	Ton

**ITEM \_\_\_\_\_ MATERIAL HAULING**

**DESCRIPTION:**

This item shall include the hauling of construction materials from the vendor's plant, pit or quarry to any point in Monroe County. Transportation (hauling) costs shall be based on two (2) unit prices. One price will be bid for transportation for 0 – 1 mile, and one price will be bid for any additional miles (one way).

**MATERIAL REQUIREMENT:**

None specified.

**METHOD OF MEASUREMENT:**

The quantity for payment will be based on the actual miles traveled one way, for each ton or cy of material delivered. If material bid unit cost and the material hauling cost will be paid by the same unit.

**BASIS OF BID:**

- A. The 0 to 1 mile price will be the bid price (per ton or cy )for any distance traveled up to and including one mile. This 0 to 1 mile material hauling bid price will be **added** to the material cost. The final figure will constitute the cost to deliver one ton of material up to one mile (one way).
  
- B. The 1 + mile price will be the bid price (per ton or cy ) for any distance traveled after the first mile. This 1+ mile bid price will be multiplied by the total number of miles (less the first mile), added to the bid price for 0 to 1 mile, **and then added** to the material cost. This final figure will constitute the cost to deliver one ton of material the total number of miles (one way).

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Material hauling cost for 0 to 1 mile per ton of material	Ton
	Material hauling cost for > 1 mile per ton of material	Ton
	Material hauling cost for 0 to 1 mile per ton of material	CY
	Material hauling cost for > 1 mile per ton of material	CY

**ITEM \_\_\_\_\_ BITUMINOUS MATERIAL (LIQUID) TACK COAT IN FIVE (5) GALLON METAL PAILS:**

**DESCRIPTION:**

Provide bituminous liquid tack coat material in five (5) gallon metal pails at bidder's plant F.O.B. utilizing County vehicles.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 702-90, latest revision, for bituminous liquid tack coat material.

The bidder shall have a minimum of 10 (ea) 5 gallon pails of liquid tack coat available at all times.

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for shall be measured by the number of five (5) gallon pails.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Item Description</b>	<b>Pay Unit</b>
	Bituminous Liquid Tack Coat (5 Gallon Metal Pails)	5 Gallon Pails

**ITEM \_\_\_\_\_ STONE AGGREGATES (QUARRY)  
STONE AGGREGATES (GRAVEL PIT)**

**DESCRIPTION:**

Provide stone aggregate material at the vendor's plant F.O.B. utilizing County trucks.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Sections 304, 620 & 703-02 coarse aggregate, latest revision as appropriate.

Items specified as "washed" shall conform to the provisions of Table 703-3, Physical Requirements, and Footnote 3, (NYSDOT Standard Specifications) as it pertains to "surface treatments and cold mix bituminous pavements."

Items specified as 3/8W, CR-5/8, CR-1, CR-2, refer to maximum size of aggregate 3/8", 5/8", 1", 2", respectively.

Items specified as crusher run shall conform to all the provisions of Section 203 & 302 New York State Specifications with the exception that the usage of crushed concrete and masonry products will be allowed for the creation of Recycled Concrete.

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for shall be measured by the English Ton

**BASIS OF BID:**

Unit price bid shall be per ton and include all costs of furnishing and loading the material F.O.B. County trucks at bidders pit or quarry. If an approved scale is not available a price per cubic yard will be accepted as indicated in the proposal. Bidders should not bid both a cubic yard and per ton price.

It will be required that reasonable quantities of stone sizes bid upon shall be available at all times during the term of the contract.

The County also requests a unit price per ton or CY for plant mixing of aggregates to facilitate a specific gradation of sized aggregates to be determined by a municipality.

**ITEM \_\_\_\_\_ STONE AGGREGATES (QUARRY)  
STONE AGGREGATES (GRAVEL PIT)**

**BASIS OF PAYMENT:**

Payment will be made under either unit as indicated in the bid proposal:

<b>Item No.</b>	<b>Item Description</b>	<b>Pay Unit</b>
	5/8" Crushed Stone	Ton
	5/8" Crusher Run	Ton
	#1 Crushed Stone	Ton
	#1 Crusher Run	Ton
	#2 Crushed Stone	Ton
	#2 Crusher Run	Ton
	#3 Crusher Run	Ton
	Crushed Stone Screenings	Ton
	#1 Washed Stone	Ton
	#1 Washed Crushed Stone	Ton
	#1A Stone	Ton
	3/8" Washed Stone	Ton
	#1A Washed Stone	Ton
	#1B Stone	Ton
	#1B Washed Stone	Ton
	#1 ST Washed Stone	Ton
	#2 Stone	Ton
	#2 Washed Stone	Ton
	#3 Stone	Ton
	#4 Stone	Ton
	#4A Stone	Ton
	#5 Stone	Ton
	Screened gravel	Ton or CY
	Stone Filling _ (Fine)	Ton
	Stone Filling – (Light)	Ton
	Stone Filling – (Medium)	Ton
	Stone Filling – (Heavy)	Ton
	Plant Mixing of Aggregates	CY

**BASIS OF AWARD:**

The County or a local municipal subdivision will select the vendor based upon the lowest total cost of the following elements:

1. Round trip distance (in miles) from the plant to the midpoint of the project multiplied by \$0.40 per english ton of asphalt per mile.
2. Material cost.
3. The County reserves the right to select the vendor based on material quality and quantity for each given project.

**ITEM \_\_\_\_\_ CONCRETE FOR STRUCTURES**

**DESCRIPTION:**

Furnish and deliver portland cement concrete material, as specified, F.O.B. to any point in Monroe County on 24 hour notice.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 500, latest revision, for portland cement concrete material. The plant, equipment and materials shall be NYSDOT approved.

**BASIS OF AWARD:**

Award will be to 1 vendor only, based upon the lowest bid. The bid price shall include delivery and the 1<sup>st</sup> hour of on site waiting time.

A small load is defined as an order of less than 4 Cubic Yards.

Excess waiting time is defined as any on site waiting time in excess of 1 hour, and shall be paid at the bid price (\$/minute).

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for shall be measured by the cubic yard delivered.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Item Description</b>	<b>Pay Unit</b>
	Concrete for Structures Class A	CY
	Concrete for Structures Class D	CY

**ITEM \_\_\_\_\_ CONCRETE GROUTING MATERIAL:**

**DESCRIPTION:**

Furnish and deliver portland cement concrete grouting material, F.O.B. to any point in Monroe County on 24 hour notice.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 701-05, Concrete Grouting Material, latest revision. The plant, equipment and materials shall be NYSDOT approved.

**BASIS OF AWARD:**

Award will be to 1 vendor only, based upon the lowest bid. The bid price shall include delivery and the 1<sup>st</sup> hour of on site waiting time.

A small load is defined as an order of less than 4 Cubic Yards.

Excess waiting time is defined as any on site waiting time in excess of 1 hour, and shall be paid at the bid price (\$/minute).

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for shall be measured by the cubic yard delivered.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Item Description</b>	<b>Pay Unit</b>
	Concrete Grouting Material	CY

**ITEM \_\_\_\_\_ CONTROLLED LOW STRENGTH MATERIAL:**

**DESCRIPTION:**

Furnish and deliver controlled low strength material, F.O.B. to any point in Monroe County on 24 hour notice.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 204, controlled low strength material, latest revision. The plant, equipment and materials shall be NYSDOT approved.

**BASIS OF AWARD:**

Award will be to 1 vendor only, based upon the lowest bid. The bid price shall include delivery and the 1<sup>st</sup> hour of on site waiting time.

A small load is defined as an order of less than 4 Cubic Yards.

Excess waiting time is defined as any on site waiting time in excess of 1 hour, and shall be paid at the bid price (\$/minute).

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for shall be measured by the cubic yard delivered.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Item Description</b>	<b>Pay Unit</b>
	Controlled Low Strength Material	CY

**ITEM \_\_\_\_\_ FLOWABLE FILL (PURE WATERS BLEND)**

**DESCRIPTION:**

The work shall consist of furnishing and placing a cementitious, flowable, low strength slurry backfill as shown on the plans or as directed by the Engineer, in writing, and in accordance with this Specification.

**MATERIAL REQUIREMENT:**

Portland Cement - Type I or II - ASTM C-150.

Water - Potable.

Fly Ash - Shall be tested for toxicity pursuant to a testing protocol approved by the New York State Department of Environmental Conservation (NYSDEC). The Engineer shall be provided with a copy of documentation issued by the supplier, confirming conformance with applicable NYSDEC rules and regulations. Fly Ash shall conform to the chemical and physical requirements for mineral admixture for Class F and/or Class C as listed in ASTM C-618, including Table 2 (except footnote A). The loss of ignition shall be waived.

Crushed Glass Aggregate - Shall be used in flowable mixtures purchased by Monroe County Pure Waters. Flowable Fills using crushed glass aggregate shall typically contain 500 to 1000 lbs. (15% - 30% of total mixture by weight) of crushed glass aggregate. The maximum size of crushed glass aggregate shall be 100% passing the 3/8" sieve.

Chemical admixtures - Shall be liquid or in powdered form that are used for standard ready mixed concrete production unless specifically designed for a flowable fill (i.e. high air generators).

**MONROE COUNTY PURE WATERS BLEND FOR FLOWABLE FILL WITH CRUSHED GLASS:**

85# Portland Cement ASTM C-150.

1450# Fly Ash ASTM C-618 Class F (loss of ignition waived).

700# Crushed Glass processed by Monroe County Recycling Center and/or Monroe County Fleet Center

Compressive strength 50 - 150 PSI @ 28 days.

**CONSTRUCTION DETAILS:**

Prior to mixing any flowable fill back fill material, the Contractor shall submit to the Engineer, a mix design and laboratory test results or historical test data from previous projects using a

**ITEM \_\_\_\_\_ FLOWABLE FILL (PURE WATERS BLEND)**

similar flowable fill mixture. Test results shall show source and type (or Class) of materials, batch proportions and conformance to the strength requirements.

All equipment for this work shall be subject to the approval of the Engineer at all times. The plant shall be either a continuous or batch type plant, designed to proportion either by weight or by volume, such that a uniform mix will result.

Prior to placement, the operator shall insure a thorough and uniform mix, by mixing at the plant or in transit.

If prepared at a continuous plant, the mix may be transported in open-top haul units when the material can be placed within 30 minutes at the completion of mixing. Material placed in excess of 30 minutes after the completion of mixing shall be transported in rotating drum type units capable of 2-6 rpm.

The method of placing the flowable fill shall be as approved by the Engineer.

The flowable fill shall be accepted on the basis of inspection and approval by the Engineer.

**METHOD OF MEASUREMENT:**

Flowable fill shall be placed and measured in cubic yard quantities.

AWARD will be to 1 vendor only, based upon the lowest bid.

A SMALL LOAD is defined as an order of less than 4 Cubic Yards.

WAITING TIME is defined as any on site waiting time in excess of 30 minutes .

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Item Description</b>	<b>Pay Unit</b>
	Flowable Fill (Pure Waters Blend)	CY

**ITEM \_\_\_\_\_ TOPSOIL**

**DESCRIPTION:**

Provide topsoil material at the vendor's pit or quarry F.O.B. utilizing County trucks.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 713-01, Topsoil, latest revision.

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for shall be measured by the English Ton, where an approved scale is available. If an approved scale is not available, a cubic yard price will be accepted.

**BASIS OF BID:**

The county requests bids in for each material designated as follows:

Unit price bid shall include all costs of furnishing and loading the material F.O.B. County trucks at vendors pit or quarry.

A separate material hauling price per ton or cubic yard for vendor hauling will be bid and applied to the material in this specification.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Topsoil - Screened	Ton
	Topsoil – Screened	CY
	Topsoil – Unscreened	Ton
	Topsoil – Unscreened	CY

**BASIS OF AWARD:**

Due to the variable locations and availability of topsoil throughout the construction season; The County or a local municipal subdivision will select the vendor based upon the closest location of the vendor material stockpile and the availability of dry, quality topsoil meeting the specifications and the quantity requirements of the project.

**ITEM \_\_\_\_\_ FILL DIRT MATERIAL**

**DESCRIPTION:**

Provide fill dirt material at the vendor's pit or quarry F.O.B. utilizing County trucks.

**MATERIAL REQUIREMENT:**

In general, this material will consist of mineral (inorganic) soil. Such soil shall not contain organic material or solids (stones) larger than 6 inches. Material shall be subject to the approval of the Associate Engineer – Highways.

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for shall be measured by the English Ton, where an approved scale is available. If an approved scale is not available, a cubic yard price will be accepted.

**BASIS OF BID:**

The county requests bids for each material designated as follows:

Unit price bid shall include all costs of furnishing and loading the material F.O.B. County trucks at vendors pit or quarry.

A separate material hauling price per ton or cubic yard for vendor hauling will be bid and applied to the material in this specification.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Item Description</b>	<b>Pay Unit</b>
	Fill Dirt Material	Ton
	Fill Dirt Material	CY

**BASIS OF AWARD:**

Due to the variable locations and availability of suitable fill material throughout the construction season; The County or a local municipal subdivision will select the vendor based upon the closest location of the vendor material stockpile and the availability of suitable fill material meeting the specifications and the quantity requirements of the project.

**ITEM \_\_\_\_\_ COMPOST TOPSOIL**

**DESCRIPTION:**

Provide compost topsoil at the vendor's pit or quarry F.O.B. utilizing County trucks.

**MATERIAL REQUIREMENT:**

Topsoil component ratios will vary according to the designated use of this mixture.

The following is an ideal mixture:

- 2 parts topsoil (sandy)
- 1 part organic material (compost)

The particle size of the sand should be consistently a medium sand with less than 15% fine sand or coarse sand.

The material shall meet the following criterion:

Particle Size:		%
Gravel	Greater than 3 mm	0
Fine Gravel	2 –3 mm	0
Very Coarse Sand	1 –2 mm	Max 10% above 1 mm
Coarse Sand	0.5 – 1 mm	Min 65% between 0.25 and 1 mm
Medium Sand	0.25 – 0.5 mm	Min 65% between 0.25 and 1 mm
Fine Sand	0.05 – 0.1 mm	Less than 25% below 0.25 mm
Very Fine Sand	0.05 – 0.1 mm	Less than 25% below 0.25 mm
Silt	0.002 – 0.05 mm	Less than 5%
Clay	Less than 0.002 mm	Less than 3%
Bulk Density	1.2 – 1.6 g/cm	
Porosity	Total 40 – 55% of water	Non-capillary minimum 15%
Infiltration Rate	4 – 10 in/hour @ 40 cm water	
pH	5.5 – 6.5	

Vendors, when submitting bids for this material, be sure to include the pH spec. Bulk density, porosity and infiltration rate specs may drive prices high. Specification may be relaxed to include a coarse sand but steer clear of fine sands, silts and clays as they tend to compact. A mixture of this quality will be a premium mix.

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for shall be measured by the English Ton, where an approved scale is available. If an approved scale is not available, a cubic yard price will be accepted.

**ITEM \_\_\_\_\_ COMPOST TOPSOIL**

**BASIS OF BID:**

The county requests bids for each material designated as follows:

Unit price bid shall include all costs of furnishing and loading the material F.O.B. County trucks at vendors location

A separate material hauling price cubic yard for vendor hauling will be bid and applied to the material in this specification.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Item Description</b>	<b>Pay Unit</b>
	Compost Topsoil	CY

**BASIS OF AWARD:**

Due to the variable locations and availability of topsoil throughout the construction season; The County or a local municipal subdivision will select the vendor based upon the closest location of the vendor material stockpile and the availability of dry, quality topsoil meeting the specifications and the quantity requirements of the project

**ITEM \_\_\_\_\_ SELECT STRUCTURAL FILL MATERIAL:**

**DESCRIPTION:**

Provide structural fill material at the vendor's plant F.O.B. utilizing County trucks.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 203, latest revision.

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for shall be measured by the English Ton, where an approved scale is available. If an approved scale is not available, a cubic yard price will be accepted.

**BASIS OF BID:**

The county requests bids for each material designated as follows:

Unit price bid shall include all costs of furnishing and loading the material F.O.B. County trucks at vendors pit or quarry.

A separate material hauling price per ton or cubic yard for vendor hauling will be bid and applied to the material in this specification.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Item Description</b>	<b>Pay Unit</b>
	Select Structural Fill	Ton
	Select Structural Fill	CY

**BASIS OF AWARD:**

The County or a local municipal subdivision will select the vendor based upon the lowest total cost of the following elements:

1. Round trip distance (in miles) from the asphalt plant to the midpoint of the project multiplied by \$0.40 per english ton of asphalt per mile.
2. Material cost.
3. The County reserves the right to select the vendor based on material quality and quantity for each given project.

**ITEM \_\_\_\_\_ SAND MATERIAL:**

**DESCRIPTION:**

Provide sand material at the vendor's plant F.O.B. utilizing County trucks.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Sections 703-03, 04 & 07, latest revision, for mortar sand, grout sand and concrete sand.

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for shall be measured by the English Ton, where an approved scale is available. If an approved scale is not available, a cubic yard price will be accepted.

**BASIS OF BID:**

The county requests bids for each material designated as follows:

Unit price bid shall include all costs of furnishing and loading the material F.O.B. County trucks at vendors pit or quarry.

A separate material hauling price per ton for vendor hauling will be bid and applied to the material in this specification.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Item Description</b>	<b>Pay Unit</b>
	Mortar Sand	Ton
	Grout Sand	Ton
	Concrete Sand	Ton

**BASIS OF AWARD:**

The County or a local municipal subdivision will select the vendor based upon the lowest total cost of the following elements:

1. Round trip distance (in miles) from the asphalt plant to the midpoint of the project multiplied by \$0.40 per english ton of asphalt per mile.
2. Material cost.
3. The County reserves the right to select the vendor based on material quality and quantity for each given project.

**ITEM \_\_\_\_\_ MASONRY ITEMS**

**DESCRIPTION:**

Provide material F.O.B. to any point in Monroe County within 24 hours of receipt of order.

**MATERIAL REQUIREMENT:**

1. **Common Brick - Full Height:** Bid for common brick shall meet the requirements of NYSDOT Standard Specifications Section 704-01, latest revision. Dimensions will be 8" long, 4" wide, 2 2/3" high.
2. **Common Brick - Half Height:** Bid for common brick shall meet the requirements of NYSDOT Standard Specifications Section 704-01, latest revision. Dimensions will be 8" long, 4" wide, 1 1/3" high.
3. **Mortar Mix (Bagged):** Bid shall be for 80 lb. bags Sakrete Mortar Mix or equal.
4. **Concrete Mix (Bagged):** Bid shall be for 80 lb. bags Sakrete Concrete Mix or equal.
5. **Portland Cement (Bagged):** Bid for Portland Cement shall meet the requirements of NYSDOT Standard Specifications Section 701-1, Type 2, latest revision. Price will be for 94 lb. bags.
6. **Black Beauty (Bagged):** Bid shall be for 100 lb. bags of Sand Blasting Sand Type 1240 medium.

**METHOD OF MEASUREMENT:**

Material shall be measured for payment as follows:

#	ITEM	PAYMENT UNIT
1	Common Brick – Full Height	Each
2	Common Brick – Half Height	Each
3	Mortar Mix - 80 # Bag	Bags
4	Concrete Mix – 80 # Bag	Bags
5	Portland Cement – 94 # Bag	Bags
6	Black Beauty – 100 # Bag	Bags

**ITEM \_\_\_\_\_ MASONRY ITEMS**

**BASIS OF BID:**

The unit price bid for each item shall include all costs to furnish and deliver the material F.O.B. to any point in Monroe County within 24 hours of receipt of order.

Brick purchases are to be made in full cube / pallet increments only. Deliveries shall be made between 8:00 AM and 3:00 PM Monday through Friday. The per brick price is used only for the award.

The cost of a pallet is to be included in the cost of the commodity. No pallet rental charges or any other pallet charges will be allowed or accepted.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Common Brick – Full Height	Each
	Common Brick – Half Height	Each
	Mortar Mix - 80 # Bag	Bag
	Concrete Mix – 80 # Bag	Bag
	Portland Cement - 94# Bag	Bag
	Black Beauty – 100 # Bag	Bag

**ITEM \_\_\_\_\_ COMMON SEWER BRICK**

**DESCRIPTION:**

This item shall include furnishing and delivery of common sewer brick F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

The composition of the bricks shall be first quality, sound, hand-burned, and standard size conforming to ASTM Standard C-32-69 Grade SS, ASTM C-216-71, Grade SW.

**METHOD OF MEASUREMENT:**

The unit price bid solicited is per each brick; pricing F.O.B. at any point in Monroe County.

The cost of a pallet is to be included in the cost of the commodity. No pallet rental charges or any other pallet charges will be allowed or accepted.

**BASIS OF BID:**

The unit price bid for each item shall include all costs to furnish and deliver the material F.O.B. to any point in Monroe County within 24 hours of receipt of order.

Purchases are to be made in full cube / pallet increments only. Deliveries shall be made between 8:00 AM and 3:00 PM Monday through Friday. The per brick price is used only for the award.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Common Sewer Brick	EA

**ITEM \_\_\_\_\_ PATIO PAVERS**

**DESCRIPTION:**

Provide Patio Pavers F.O.B. to any point in Monroe County within 7 working days of order.

**MATERIAL REQUIREMENT:**

The Patio Pavers shall be 4" X 8" X 1½" Red Range Bantam Patio Pavers. Deliveries shall be made between 8:00 AM and 3:00 PM Monday through Friday.

**METHOD OF MEASUREMENT:**

Item will be 630 pavers to a pallet and delivered within 7 working days of order. Item shall be measured for payment per paver for each pallet delivered.

**BASIS OF BID:**

Bid should be per paver for unit F.O.B. any point in Monroe County.

The cost of a pallet is to be included in the cost of the commodity. No pallet rental charges or any other pallet charges will be allowed or accepted.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Patio Pavers	Each

**ITEM \_\_\_\_\_ DETECTABLE WARNING MATERIALS**

**DESCRIPTION:**

Provide detectable warning materials F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 608, latest revision, and appear on the NYSDOT current approved list (copy below) for the specific application.

**PROVISIONALLY APPROVED SURFACE APPLIED DETECTABLE WARNINGS PRODUCT LIST**

<b>PRODUCT NAME</b>	<b>MANUFACTURER/LOCATION</b>
Armor-Tile Surface Applied System	Engineered Plastics, Inc. Williamsville, NY 14221
DWS TILES	Troy DieCutting Company Troy, NY 12180
SAFTI-TRAX	Cote-L Industries Teaneck, NJ 07666
STRONGWARN	Strongwall Industries, Inc. Ridgewood, NJ 07450
Tactile Warning Tile	ADA Solutions, Inc. North Billerica, MA 01862
Trelleborg's TGS (Tactile Guidance System)	Trelleborg Industri-AB Edison, NJ 08820

**PROVISIONALLY APPROVED EMBEDDED PREFORMED DETECTABLE WARNINGS PRODUCT LIST**

<b>PRODUCT NAME</b>	<b>MANUFACTURER/LOCATION</b>
ADA Pavers	Whitacre-Greer Alliance, Ohio 44601
Armor-Tile Cast-in-Place System	Engineered Plastics, Inc. Williamsville, NY 14221
Detecto-Tile	Detecto-Tile, Inc. Central Valley, NY 10917
Press in Place Paver Tile	ADA Solutions, Inc. North Billerica, MA 01862
STEP-Safe Precast Polymer Concrete	Transpo Industries New Rochelle, NY 10801
<b>Provisionally Approved Detectable Warnings Paver Product List</b>	
Oaks Detectable Warning Paver	Oaks Concrete Products Milton, Ontario
Hanover Detectable Warning Paver	Hanover Architectural Products Hanover, PA 17331

**ITEM \_\_\_\_\_ DETECTABLE WARNING MATERIALS**

**METHOD OF MEASUREMENT:**

- A. Surface Applied Detectable Warning material shall be measured for payment by the square foot.
- B. Embedded Detectable Warning material shall be measured for payment by the square foot
- C. Detectable Warning material paver bricks shall be measured for payment by the square foot

**BASIS OF BID:**

The unit price bid shall include all costs to furnish and deliver the material F.O.B. to any point in Monroe County.

The cost of a pallet is to be included in the cost of the commodity. No pallet rental charges or any other pallet charges will be allowed or accepted.

**BASIS OF AWARD**

Each vendor will supply pricing for the products which they can provide. A separate award will be made for each product. In the event that Bidders provide a bid price on the same product the award will be made to the lowest bidder.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Surface Applied Detectable Warning Material	SF
	Embedded Preformed Detectable Warning Material	SF
	Detectable warning paver bricks	SF

**ITEM \_\_\_\_\_ GRASS SEED – GENERAL MIX (HIGHWAY BLEND)**

**DESCRIPTION:**

This item shall include providing grass seed to any point F.O.B. in Monroe County within 24 hours of order.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 713, latest revision. All seed shall be entophyte enhanced for disease resistance. All germination testing shall be no more than six months from the date of purchase.

Grass seed shall meet the requirements below:

NAME	% PER LB.
Fine Textured Perennial Rye	50%
Chewing Fescue	20%
Creeping Red Fescue	15%
Kentucky Blue Grass	15%
Weed seed shall not exceed	0.05%
Noxious seed shall not exceed	0.0%
Crop seed shall not exceed	0.0%
Inert matter shall not exceed	1.5%
Germination shall not be less than	90%

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for will be measured by the 50 pound bag.

**BASIS OF BID:**

The unit price bid solicited is per 50 lb. bag F.O.B. at any point in Monroe County within 24 hours of order.

**BASIS OF PAYMENT:**

Payment will be made under:

Item No.	Description	Pay Unit
	Grass Seed – General Mix (Highway Blend)	50 Lb. Bag

**ITEM \_\_\_\_\_ GRASS SEED - PREMIUM MIX (PURE WATERS BLEND)**

**DESCRIPTION:**

This item shall include providing grass seed to any point F.O.B. in Monroe County within 24 hours of order.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 713, latest revision. All seed shall be entophyte enhanced for disease resistance. All germination testing shall be no more than six months from the date of purchase.

Grass seed shall meet the requirements below:

NAME	% PER LB.
Kentucky Bluegrass	40%
Fine Texture Perennial Rye	35%
Chewing Fescue	25%
Weed seed shall not exceed	0.05%
Noxious seed shall not exceed	0.0%
Crop seed shall not exceed	0.0%
Inert matter shall not exceed	1.5%
Germination shall not be less than	90%

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for will be measured by the pound.

**BASIS OF BID:**

The unit price bid solicited is per 50 lb. bag F.O.B. at any point in Monroe County within 24 hours of order.

**BASIS OF PAYMENT:**

Payment will be made under:

Item No.	Description	Pay Unit
	Grass Seed – Premium Mix (Pure Waters Blend)	50 Lb. bag

**ITEM \_\_\_\_\_ GRASS SEED – ANNUAL RYEGRASS**

**DESCRIPTION:**

This item shall include providing grass seed to any point F.O.B. in Monroe County 24 hours of order.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 713, latest revision. All seed shall be entophyte enhanced for disease resistance. All germination testing shall be no more than six months from the date of purchase.

Grass seed shall meet the requirements below:

NAME	% PER LB.
Annual Ryegrass	100%
Weed seed shall not exceed	0.05%
Noxious seed shall not exceed	0.0%
Crop seed shall not exceed	0.0%
Inert matter shall not exceed	1.5%
Germination shall not be less than	90%

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for will be measured by the 50 pound bag.

**BASIS OF BID:**

The unit price bid solicited is per 50 lb. bag F.O.B. at any point in Monroe County within 24 hours of order.

**BASIS OF PAYMENT:**

Payment will be made under:

Item No.	Description	Pay Unit
	Grass Seed – Annual Ryegrass	50 Lb. bag

**ITEM \_\_\_\_\_ GRASS SEED – QUICK GROW / TRIPLE PERENIAL RYEGRASS MIX  
(MILL SEAT BLEND)**

**DESCRIPTION:**

This item shall include providing grass seed to any point F.O.B. in Monroe County 24 hours of order.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 713, latest revision. All seed shall be entophyte enhanced for disease resistance. All germination testing shall be no more than six months from the date of purchase.

Grass seed shall meet the requirements below:

NAME	% PER LB.
Prelude II Perennial Ryegrass	33%
Elf Perennial Ryegrass	33%
Palmer II Perennial Ryegrass	33%
Weed seed shall not exceed	0.05%
Noxious seed shall not exceed	0.0%
Crop seed shall not exceed	0.0%
Inert matter shall not exceed	1.5%
Germination shall not be less than	90%

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for will be measured by the 50 pound bag.

**BASIS OF BID:**

The unit price bid solicited is per 50 lb. bag F.O.B. at any point in Monroe County within 24 hours of order.

**BASIS OF PAYMENT:**

Payment will be made under:

Item No.	Description	Pay Unit
	Grass Seed – Quick Grow / Triple Perennial Ryegrass Mix (Mill Seat Blend)	50 Lb. bag

**ITEM \_\_\_\_\_ HYDROSEED MULCH (CELLULOSE- PAPER)**

**DESCRIPTION:**

This item shall include providing packaged bales of paper hydroseed mulch to any point F.O.B. in Monroe County within 24 hours of order.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 713, latest revision. The material shall be manufactured from recycled cellulose fibers and be 100% biodegradable, with a maximum moisture content of 14%. All mulch shall be free of all weed seeds, dyed in a dark green for easy metering, free of any growth inhibiting factors.

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for will be measured by the pound.

**BASIS OF BID:**

The unit price bid solicited is per lb. F.O.B. at any point in Monroe County within 24 hours of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	<b>HYDROSEED MULCH (CELLULOSE- PAPER)</b>	<b>Lb.</b>

**ITEM \_\_\_\_\_ HYDROSEED MULCH (WOOD AND CELLULOSE FIBER MIXTURE)**

**DESCRIPTION:**

This item shall include providing packaged bales of a combination of wood and cellulose(paper) hydroseed mulch to any point F.O.B. in Monroe County within 24 hours of order.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 713, latest revision. The material shall be manufactured from recycled wood and cellulose fibers. The mixture shall contain 70% recycled wood fiber and 30% recycled paper products. The mixture shall be 100% biodegradable, with a maximum moisture content of 14%. All mulch shall be free of all weed seeds, dyed in a dark green for easy metering, free of any growth inhibiting factors.

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for will be measured by the pound.

**BASIS OF BID:**

The unit price bid solicited is per Pound (lb.) F.O.B. at any point in Monroe County within 24 hours of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	<b>HYDROSEED MULCH (WOOD AND CELLULOSE FIBER MIXTURE))</b>	Lb.

**ITEM \_\_\_\_\_ HYDROSEED TACKIFIERS**

**DESCRIPTION:**

This item shall include providing packaged containers of hydroseed tackifiers to any point F.O.B. in Monroe County within 24 hours of order.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 713, latest revision. The material shall be non- asphaltic in nature and contain polyacrylamide (PAM) copolymers and hydro-colloid polymers. The material shall contain a concentrated green dye for easy metering.

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for will be measured by the Pound (lb.)

**BASIS OF BID:**

The unit price bid solicited is per lb F.O.B. at any point in Monroe County within 24 hours of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	<b>HYDROSEED TACKIFIER</b>	<b>Lb.</b>

**ITEM \_\_\_\_\_ TURF LINE ICE MELTER**

**DESCRIPTION:**

Provide Turf Line Ice Melter material F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Ice Melter is used on sidewalks, driveways, steps, and parking lots and will not harm grass, shrubs, trees, walks and driveways. It can be used on hard packed snow and ice. It can be used to prevent sleet and freezing rain from accumulating on surfaces.

Do not use on precast concrete products. Do not use on concrete less than two years old. If concrete is porous or in bad condition this product could cause surface damage.

**CONTENTS:**

Potassium Chloride	98.8%
Sodium Chloride	0.9%
Inert Ingredients	0.03%

**METHOD OF MEASUREMENT:**

Item shall be measured for payment by the 50 # bag. or by the pallet, a pallet shall be defined as 42 bags.

**BASIS OF BID:**

Unit price bid shall include all costs to furnish and deliver material F.O.B. to any point in Monroe County. Material shall be available at vendor's yard within 7 working days of order.

The cost of a pallet is to be included in the cost of the commodity. No pallet rental charges or any other pallet charges will be allowed or accepted.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Turf Line Ice Melter	Bag
	Turf Line Ice Melter	Pallet

**ITEM \_\_\_\_\_ SUPER 5000 CONCRETE MIX**

**DESCRIPTION:**

Provide Super 5000 Concrete Mix.

**MATERIAL REQUIREMENT:**

Material shall be Super 5000 Concrete Mix by Pakmix, or approved equal. The material shall have a minimum compressive strength of 5000 psi @ 28 days.

**METHOD OF MEASUREMENT:**

Material shall be measured for payment by the 80 lb. bag.

**BASIS OF BID:**

The unit price bid solicited is for F.O.B. at any point in Monroe County and shall be available at supplier's yard within 24 hours of receipt of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Super 5000 Concrete Mix	Bag

**ITEM \_\_\_\_\_ SPEEDCRETE RED LINE FAST SETTING CONCRETE**

**DESCRIPTION:**

Provide Speedcrete Red Line fast setting concrete mix or approved equal.

**MATERIAL REQUIREMENT:**

This is a fast setting high strength concrete used for patching bridge decks manufactured by Tamms Industries Co. The following compressive strengths are required (ASTM C-109):

<b>AGE</b>	<b>COMPRESSIVE STRENGTH</b>
1 HOUR	150 PSI
24 HOURS	2,500 PSI
7 DAYS	4,300 PSI
14 DAYS	4,500 PSI
28 DAYS	5,000 PSI

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for shall be measured by the 50 pound bag.

**BASIS OF BID:**

The unit price bid solicited is for F.O.B. at any point in Monroe County and shall be available at supplier's yard within 24 hours of receipt of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Speedcrete Red Line Fast Setting Concrete or approved equal	Bag

**ITEM \_\_\_\_\_ SPEEDCRETE GREEN LINE**

**DESCRIPTION:**

Provide Speedcrete Green Line fast setting semi-flowable concrete mix or approved equal.

**MATERIAL REQUIREMENT:**

This is a fast setting, semi-flowable, high strength patching material requiring only potable water for mixing. GREEN LINE achieves initial set in 6 – 15 minutes, and final set within 20 minutes. Repaired areas may be opened to traffic in approximately one hour following the final set.

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for shall be measured by the 50 pound bag.

**BASIS OF BID:**

The unit price bid solicited is for F.O.B. at any point in Monroe County and shall be available at supplier's yard within 24 hours of receipt of order. No material substitute will be accepted for this product.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Speedcrete Green Line Concrete or approved equal	Bag

**ITEM \_\_\_\_\_ SPEEDCRETE BLUE LINE**

**DESCRIPTION:**

Provide Speedcrete Blue Line fast setting concrete mix or approved equal.

**MATERIAL REQUIREMENT:**

This is a fast setting micro concrete primarily intended for underwater concrete repairs with initial set obtained in 3-5 minutes, and final set in about one hour manufactured by Tamms Industries Co. The following compressive strengths are required:

- 24 hrs - 2000 psi
- 28 days - 5000 psi

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for shall be measured by the 50 pound bag.

**BASIS OF BID:**

The unit price bid solicited is for F.O.B. at any point in Monroe County and shall be available at supplier's yard within 24 hours of receipt of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Speedcrete Blue Line or approved equal	Bag

**ITEM \_\_\_\_\_ PLASTIC SAFETY FENCING**

**DESCRIPTION:**

Provide recycled plastic safety fencing material F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material shall be plastic netting made from UV stabilized high-density polyethylene. It shall be provided in 4 ft. X 50 ft. rolls. Weight shall be 38 lbs/roll. Color shall be orange. Porosity shall be 50%. Other characteristics shall be as follows:

Tensile Strength Yield	Horizontal 3190 psi	Vertical 3840 psi
Ultimate Tensile Strength	Horizontal 2200 psi	Vertical 2600 psi
Strength Elongated at Break	Horizontal 90%	Vertical 260%

Material supplied will be equal to above listing, any deviation must be noted in proposal section with bid price. Delivery will be within 14 days of order.

**METHOD OF MEASUREMENT:**

The material shall be measured for payment by the roll.

**BASIS OF BID:**

The unit price bid shall include all costs to furnish and deliver material F.O.B. to any point in Monroe County within 14 days of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Recycled Plastic Safety Fencing	Roll

**ITEM \_\_\_\_\_ POLYETHYLENE SNOW FENCE**

**DESCRIPTION:**

Provide polyethylene snow fence material delivered to various locations within Monroe County.

**MATERIAL REQUIREMENT:**

Material shall be High-Density Polyethylene black, orange or forest green in color .

Roll width shall be 4' and roll length shall be 100'.

Mesh size shall be 1.25" (Horizontal) X 3.25" (Vertical).

Tensile Yield shall be 320 psi.

Ultimate Tensile Yield shall be 370 lbs/Ft.

Elongation @ Break Point 150%

**METHOD OF MEASUREMENT:**

The material shall be measured for payment by the roll.

**BASIS OF BID:**

Material supplied shall be ready for pickup or delivered within 14 days of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Polyethylene Snow Fence	Roll

**ITEM \_\_\_\_\_ STEEL SNOW FENCE POSTS**

**DESCRIPTION:**

Provide steel snow fence posts F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Post will be T bar type with a weight of at least 1.7 lbs. per foot. Post must be painted and 6 feet in length. The spade shall be attached at least 12 in. from the bottom of the post.

Material supplied will be equal to above listing, any deviation will be noted in proposal section with bid price. Delivery will be within 14 days of order.

**METHOD OF MEASUREMENT:**

The material shall be measured for payment by the post.

**BASIS OF BID:**

The unit price bid shall include all costs to furnish and deliver the material F.O.B. to any point in Monroe County.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Steel Snow Fence Posts	Each

**ITEM \_\_\_\_\_ CALCIUM CHLORIDE**

**DESCRIPTION:**

This item shall consist of furnishing and delivering bags of calcium chloride to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 712.02, latest revision.

**METHOD OF MEASUREMENT:**

The material shall be measured for payment by the pound as supplied in 50 # bags.

**BASIS OF BID:**

The unit price bid shall include all costs to furnish and deliver the material F.O.B. to any point in Monroe County.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Calcium Chloride	50 # bags

**ITEM \_\_\_\_\_ GEOTEXTILE BEDDING FABRIC**

**DESCRIPTION:**

Provide geotextile erosion control fabric material for bedding F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 207, Item 207.10 Geotextile Bedding, latest revision. The material shall appear on the NYSDOT Materials Approved List of Geosynthetics for Highway Construction.

Unless otherwise specified, the material strength classification requested shall be Strength Class 1 as noted on the aforementioned Approved List. In addition, 200 – 6” metal Indian Valley (or approved equal) staples shall be supplied with every roll (900 sf) of fabric provided.

**METHOD OF MEASUREMENT:**

The material shall be measured for payment by the square foot provided.

**BASIS OF BID:**

The unit price bid per square foot shall include all costs to furnish and deliver the material F.O.B to any point in Monroe County within 24 hours. The bidder shall specify the product name that is intended to be supplied.

A separate award will be made for each product which meets the specification

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Geotextile Bedding Fabric	SF

**ITEM \_\_\_\_\_ GEOTEXTILE UNDERCUT SEPARATION FABRIC**

**DESCRIPTION:**

Provide geotextile undercut separation fabric material F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 207, Item 207.11 Geotextile Separation, latest revision. The material shall appear on the NYSDOT Materials Approved List of Geosynthetics for Highway Construction.

Unless otherwise specified, the material strength classification requested shall be Strength Class 2 as noted on the aforementioned Approved List.

**METHOD OF MEASUREMENT:**

The material shall be measured for payment by the square foot provided.

**BASIS OF BID:**

The unit price bid per square foot shall include all costs to furnish and deliver the material F.O.B to any point in Monroe County within 24 hours. The bidder shall specify the product name that is intended to be supplied.

A separate award will be made for each product which meets the specification

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Geotextile Undercut Separation Fabric	SF

**ITEM \_\_\_\_\_ BIAXIAL GEOGRID BASE REINFORCEMENT MATERIAL**

**DESCRIPTION:**

Provide a Biaxial Geogrid Base material composed of high strength polypropylene geogrid material. The product shall be capable of improving the distribution of applied loads and prevent localized shear failure. F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Geogrid base reinforcement shall be a stiff, structural polypropylene biaxial geogrid similar to Carthage Mills Tenaz MS-220 or Tensar BX 1100 or equivalent.

The material shall conform to the following property requirements.

<b>PROPERTY</b>	<b>TEST METHOD</b>	<b>UNITS</b>	<b>REQUIREMENTS</b>
<i>Interlock</i> Aperture Size <sup>1</sup> MD TD Open Area Thickness Ribs Junctions	I.D. Callipered  COE Method <sup>2</sup> ASTM D1777-64	 in in % in in	 1.0-1.7 1.3-1.2 70 (min) 0.034 (nom) 0.11 (nom)
<i>Reinforcement</i> Flexural Rigidity Ultimate Strength MD TD Tensile Modulus @2% Tensile Modulus @5% Junctions Strength; MD	ASTM D1388-64 <sup>3</sup> GRI GG1-87 <sup>4</sup>  GRI GG1-87 <sup>4</sup> GRI GG1-87 <sup>4</sup> GRI GG2-87 <sup>4</sup>	Mg-cm  lb/ft lb/ft lb/ft lb/ft lb/ft	250,000  800-900 1400 15,000 (MD) 22,269 (TD) 17800 (TD) 750-850
<i>Material</i> Polypropylene Carbon Black	ASTM D 4101 Group 1/Class 1/Grade 2 ASTM 4218	% %	98 (min) 0.5 (min)

1. MD and TD correspond to the dimensions along roll length and roll width, respectively
2. Corps of Engineers method per CW 02215 Civil Works Construction Guide, November 1977
3. Modify method to account for wide specimen testing
4. GeoSynthetic Research Institute test method.

**ITEM \_\_\_\_\_ BIAXIAL GEOGRID BASE REINFORCEMENT MATERIAL**

**METHOD OF MEASUREMENT:**

The material shall be measured for payment by the square foot provided.

**BASIS OF BID:**

The unit price bid per square foot shall include all costs to furnish and deliver the material F.O.B to any point in Monroe County within 24 hours. The bidder shall specify the product name that is intended to be supplied.

A separate award will be made for each product which meets the specification

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Geogrid Base Reinforcement Material	SF

**ITEM \_\_\_\_\_ GEOTEXTILE DRAINAGE FABRIC**

**DESCRIPTION:**

Provide geotextile filter fabric material for drainage F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 207, Item 207.12 Geotextile Drainage, latest revision. The material shall appear on the NYSDOT Materials Approved List of Geosynthetics for Highway Construction.

Unless otherwise specified, the material strength classification requested shall be Strength Class 2 as noted on the aforementioned Approved List.

**METHOD OF MEASUREMENT:**

The material shall be measured for payment by the square foot provided.

**BASIS OF BID:**

The unit price bid per square foot shall include all costs to furnish and deliver the material F.O.B to any point in Monroe County. The bidder shall specify the product name that is intended to be supplied.

A separate award will be made for each product which meets the specification

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Geotextile Drainage Fabric	SF

**ITEM \_\_\_\_\_ EROSION CONTROL SILT FENCE**

**DESCRIPTION:**

Provide erosion control silt fence material F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 209, Item 209.13 Temporary Silt Fence, latest revision. The material shall appear on the NYSDOT Materials Approved List of Geosynthetics for Highway Construction, and shall include pre-assembled hardwood stakes at a minimum 4' on center.

**METHOD OF MEASUREMENT:**

The material shall be measured for payment by the linear foot of 3-foot high silt fence provided.

**BASIS OF BID:**

The unit price bid per linear foot shall include all costs to furnish and deliver the material F.O.B to any point in Monroe County. The bidder shall specify the product name that is intended to be supplied.

A separate award will be made for each product which meets the specification

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Erosion Control Silt Fence	LF

**ITEM \_\_\_\_\_ TURBIDITY CURTAIN**

**DESCRIPTION:**

Provide turbidity curtain F.O.B. to any point in Monroe County within 24 hours of order.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 209, Item 209.15, latest revision. The material shall appear on the NYSDOT Materials Approved List of Geosynthetics for Highway Construction.

**METHOD OF MEASUREMENT:**

The material will be measured for payment by the square foot

**BASIS OF BID:**

The unit price bid per square foot shall include all costs to furnish and deliver the material F.O.B to any point in Monroe County within 24 hours. The bidder shall specify the product name that is intended to be supplied.

A separate award will be made for each product which meets the specification

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Turbidity Curtain	SF

**ITEM \_\_\_\_\_ SEDIMENT FILTRATION MAT**

**DESCRIPTION:**

Provide erosion control sediment filtration material F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the IVI Sedimat, or approved equal, suitable for filtering sediment-laden stream flows.

**METHOD OF MEASUREMENT:**

The material shall be measured for payment by the square foot of material provided.

**BASIS OF BID:**

The unit price bid per square foot shall include all costs to furnish and deliver the material F.O.B to any point in Monroe County with 24 hours. The bidder shall specify the product name that is intended to be supplied.

A separate award will be made for each product which meets the specification

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Sediment Filtration Mat	SF

**ITEM \_\_\_\_\_ SILT FILTRATION BAG**

**DESCRIPTION:**

Provide erosion control silt filtration bag units F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the IVI Silt Filtration Bag, or approved equal, capable of filtering pumped water discharged from a 4" to 6" hose.

**METHOD OF MEASUREMENT:**

The material shall be measured for payment by the quantity of units provided.

**BASIS OF BID:**

The unit price bid per each shall include all costs to furnish and deliver the material F.O.B to any point in Monroe County. The bidder shall specify the product name that is intended to be supplied.

A separate award will be made for each product which meets the specification

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Silt Filtration Bag	EA

**ITEM \_\_\_\_\_ GEOTEXTILE SLOPE PROTECTION - TEMPORARY**

**DESCRIPTION:**

Provide geotextile slope protection material F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 207, Item 207.13 Geotextile Slope Protection, latest revision. The material shall appear on the NYSDOT Materials Approved List of either Geosynthetics for Highway Construction or Erosion Control Products.

Unless otherwise specified, the material strength classification requested shall be Strength Class 3 as noted on the aforementioned Approved Lists.

**METHOD OF MEASUREMENT:**

The material shall be measured for payment by the square foot provided.

**BASIS OF BID:**

The unit price bid per square foot shall include all costs to furnish and deliver the material F.O.B to any point in Monroe County. The bidder shall specify the product name that is intended to be supplied.

A separate award will be made for each product which meets the specification

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Geotextile Slope Protection - Temporary	SF

**ITEM \_\_\_\_\_ GEOTEXTILE SLOPE PROTECTION - PERMANENT**

**DESCRIPTION:**

Provide geotextile slope protection material F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 207, Item 207.13 Geotextile Slope Protection, latest revision. The material shall appear on the NYSDOT Materials Approved List of Geosynthetics for Highway Construction.

Unless otherwise specified, the material strength classification requested shall be Strength Class 1 as noted on the aforementioned Approved List.

**METHOD OF MEASUREMENT:**

The material shall be measured for payment by the square foot provided.

**BASIS OF BID:**

The unit price bid per square foot shall include all costs to furnish and deliver the material F.O.B to any point in Monroe County. The bidder shall specify the product name that is intended to be supplied.

A separate award will be made for each product which meets the specification

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Geotextile Slope Protection - Permanent	SF

**ITEM \_\_\_\_\_ CENTERLINE DELINEATORS**

**DESCRIPTION:**

The following spec is for temporary chip seal markers made by Apex Universal Inc. or approved equal.

**MATERIAL REQUIREMENT:**

The markers body shall be made of yellow polyurethane. The vertical section shall be two inches high and four inches wide. The vertical section shall have reflective tape on both sides with a minimum reflectance of 1800 candle power per foot-candle per square foot at one tenth observation and zero entrance angle. The reflective tape shall be fully protected from oil and dirt by a sealed clear plastic removable cover. The base shall have a factory applied solid butyl rubber adhesive for bonding the marker to pavement. The adhesive shall be 1/8 " thick, 3/4" wide, 4" long and shall be protected by a release paper.

**Packaging**

They units shall be delivered in boxes or multiple boxes with a quantity of 500 in each box.

**BASIS OF BID:**

The basis of bid shall be a box quantity totaling 500 units. The bid price should include delivery of each box to any point in Monroe County.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Item Description</b>	<b>Pay Unit</b>
	Centerline Delineators (500 ct)	Box

**ITEM \_\_\_\_\_ SET-45 CONCRETE**

**DESCRIPTION:**

Provide Set-45 Concrete material or approved equal

**MATERIAL REQUIREMENT:**

This is a material used for making concrete repairs and shall be Set-45 Concrete, as manufactured by Master Builders or approved equal. Setting time @ 95 deg. F. should be:

- initial - 10 to 15 minutes
- final - 12 to 20 minutes

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for shall be measured by the 50 pound bag.

**BASIS OF BID:**

The material shall be available at supplier's yard within 24 hours of receipt of order. The unit price bid solicited is for F.O.B. at any point in Monroe County within twenty-four hours of receipt of order. No substitute material will be accepted.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Set-45 Concrete or approved equal	Bag

**ITEM \_\_\_\_\_ PENETRATING PROTECTIVE SEALER**

**DESCRIPTION:**

This item shall consist of furnishing and delivering penetrating protective sealer to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 717.03, latest revision.

**METHOD OF MEASUREMENT:**

The material shall be measured for payment by the gallon.

**BASIS OF BID:**

The unit price bid shall include all costs to furnish and deliver the material F.O.B. to any point in Monroe County. The material shall be available at supplier's yard within 24 hours of receipt of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Penetrating Protective Sealer	Gallon

**ITEM \_\_\_\_\_ CONO/CRETE 149 EPOXY MORTAR**

**DESCRIPTION:**

Provide cono/crete 149 epoxy mortar material F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material shall be two-component fast setting epoxy mortar for patching, joint re-building, and filling holes as manufactured by Coatings/Composites, Inglewood California or approved equal. It should have an ultimate compressive strength of 9000 psi and impact strength of 300 in./lbs. Material shall be gray in color.

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for shall be measured by the 40 pound container.

**BASIS OF BID:**

The unit price bid shall include all costs to furnish and deliver the material F.O.B. to any point in Monroe County. The material shall be available at supplier's yard within 24 hours of receipt of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Cono-Crete 149 Epoxy Mortar (or approved equal)	40# Container

**ITEM \_\_\_\_\_ THORITE FAST SETTING HIGH STRENGTH PATCHING MATERIAL**

**DESCRIPTION:**

Provide Thorite fast setting high strength patching material.

**MATERIAL REQUIREMENT:**

This is a fast setting high strength patching material designed for repairing vertical and horizontal concrete and masonry manufactured by Thoro System Products, Miami, FL. or approved equal. The following compressive strengths are required:

<b>AGE</b>	<b>COMPRESSIVE STRENGTH</b>
1 DAY	3,200 PSI
7 DAYS	4,300 PSI
28 DAYS	5,200 PSI

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for shall be measured by the 50 pound bag.

**BASIS OF BID:**

The unit price bid solicited is for F.O.B. at any point in Monroe County and shall be available at supplier's yard within 24 hours of receipt of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Thorite Fast Setting High Strength Patching Material (or approved equal)	Bag

**ITEM \_\_\_\_\_ MASTERFLOW® 648 CP PLUS**

**DESCRIPTION:**

Provide MASTERFLOW® 648 CP PLUS material or approved equal F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material shall be MASTERFLOW® 648 CP PLUS, solvent free high flow epoxy resin based grout as manufactured by BASF Construction Chemicals or approved equal.

**METHOD OF MEASUREMENT:**

Material shall be measured for payment by the unit, which consists of (3) Parts totaling 109.72kg (241.89 Lb). Part A=10.16kg (22.39 Lb) Part B = 4.00 kg (8.82 Lb) Part C = 23.89 kg (52.67 Lb) x 4.

**BASIS OF BID:**

The unit price bid shall include all costs to furnish and deliver the material F.O.B. to any point in Monroe County. The material shall be available at supplier's yard within 24 hours of receipt of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	MASTERFLOW® 648 CP PLUS (or approved equal)	Kit

**ITEM \_\_\_\_\_ MASTERFLOW® 713 PLUS**

**DESCRIPTION:**

Provide MASTERFLOW® 713 PLUS cement based grout material or approved equal F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material shall be MASTERFLOW® 713 PLUS, cement based grout as manufactured by BASF Construction Chemicals or approved equal. It should have an ultimate compressive strength of 8,500 psi.

**METHOD OF MEASUREMENT:**

The quantity of material to be paid for shall be measured by the 55 Lb bag.

**BASIS OF BID:**

The unit price bid shall include all costs to furnish and deliver the material F.O.B. to any point in Monroe County. The material shall be available at supplier's yard within 24 hours of receipt of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	MASTERFLOW® 713 PLUS or approved equal	55# Bag

**ITEM \_\_\_\_\_ CATALYTIC BONDING ASPHALT**

**DESCRIPTION:**

Provide catalytic bonding asphalt material F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material shall be a cut-back asphalt product specifically designed for use with Premolded Membrane. This is a non-setting bitumen with extremely low oxidation rate, to provide a positive joint seal capable of expanding and contracting without breaking bond.

**METHOD OF MEASUREMENT:**

The material shall be measured for payment by the gallon in five (5) gallon units.

**BASIS OF BID:**

The unit price bid shall include all costs to furnish and deliver the material F.O.B. to any point in Monroe County. The material shall be available at supplier's yard within 24 hours of receipt of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Catalytic Bonding Asphalt	5 Gallon Units

**ITEM \_\_\_\_\_ DARAWELD-C**

**DESCRIPTION:**

Provide Daraweld-C epoxy bonding compound.

**MATERIAL REQUIREMENT:**

The material shall be Daraweld-C, which is a synthetic latex emulsion, used for bonding new concrete to old, as manufactured by W.R. Grace & Co. or approved equal.

**METHOD OF MEASUREMENT:**

The quantity of material shall be measured by the 5 gallon container.

**BASIS OF BID:**

The unit price bid solicited is for F.O.B. at any point in Monroe County within twenty-four hours of receipt of order. The material shall be available at supplier's yard within 24 hours of receipt of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Daraweld-C or approved equal	5 Gal Container

**ITEM \_\_\_\_\_ EPOXY POLYSULFIDE BINDER**

**DESCRIPTION:**

This item shall consist of furnishing and delivering epoxy polysulfide binder to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 721-03, latest revision.

**METHOD OF MEASUREMENT:**

The material shall be measured for payment by the 3 gallon unit.

**BASIS OF BID:**

The unit price bid shall include all costs to furnish and deliver the material F.O.B. to any point in Monroe County. The material shall be available at supplier's yard within 24 hours of receipt of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Epoxy Polysulfide Binder	3 Gallon Unit

**ITEM \_\_\_\_\_ EUCO CONCRETE COAT LATEX MODIFIED PATCH KIT**

**DESCRIPTION:**

Provide Euco Concrete Coat latex modified patch kit or approved equal F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material shall be Euco Concrete Coat latex modified patch kit, as manufactured by Euclid Chemical Co., Cleveland, Ohio or approved equal.

**METHOD OF MEASUREMENT:**

The quantity of material shall be measured by the kit, which consists of (1) 61# container of concrete coat powder, and (1) gallon container of concrete coat liquid.

**BASIS OF BID:**

The unit price bid shall include all costs to furnish and deliver the material F.O.B. to any point in Monroe County. The material shall be available at supplier's yard within 24 hours of receipt of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Euco Concrete Coat Latex Modified patch Kit Or approved equal	Kit

**ITEM \_\_\_\_\_ EUCO VERTICOAT**

**DESCRIPTION:**

Provide Euclid Euco Verticoat polymer modified mortar or approved equal.

**MATERIAL REQUIREMENT:**

This is a polymer modified cementitious mortar for vertical and overhead concrete repairs (manufactured by Euclid Chemical Co. Cleveland, OH) or approved equal. The following strengths are to be achieved.

<b>COMPRESSIVE STRENGTH</b>		<b>BOND STRENGTH</b>		<b>FLEXURAL STRENGTH</b>	
<b>(ASTM C-109)</b>		<b>(ASTM C-882 MODIFIED)</b>		<b>(ASTM C-348)</b>	
<b>AGE</b>	<b>STRENGTH</b>	<b>AGE</b>	<b>STRENGTH</b>	<b>AGE</b>	<b>STRENGTH</b>
1 DAY	5,800 PSI	-	-	-	-
3 DAYS	8,300 PSI	-	-	-	-
7 DAYS	8,900 PSI	7 DAYS	2,100 PSI	7 DAYS	1,200 PSI
28 DAYS	10,000 PSI	28 DAYS	2,500 PSI	28 DAYS	2,001 PSI

**METHOD OF MEASUREMENT:**

The quantity of material shall be measured by the unit, which consists of one 54 pound pail of dry powder with 1 gallon of verticoat mixing liquid.

**BASIS OF BID:**

The unit price bid solicited is for F.O.B. at any point in Monroe County within twenty-four hours of receipt of order. The material shall be available at supplier's yard within 24 hours of receipt of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Euco Verticoat or approved equal	Kit

**ITEM \_\_\_\_\_ BITUTHENE 4000 MEMBRANE WATERPROOFING**

**DESCRIPTION:**

This item shall consist of furnishing and delivering Bituthene 4000 membrane waterproofing or approved equal to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material shall be Bituthene System 4000 Waterproofing Membrane as manufactured by W. R. Grace or approved equal.

**METHOD OF MEASUREMENT:**

The material shall be measured for payment by the square foot, as provided in 3' X 60' rolls.

**BASIS OF BID:**

The unit price bid shall include all costs to furnish and deliver the material F.O.B. to any point in Monroe County. The material shall be available at supplier's yard within 24 hours of receipt of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Bituthene System 4000 Waterproofing Membrane Or approved equal	SF

**ITEM \_\_\_\_\_ BITUTHENE P-3000 PRIMER**

**DESCRIPTION:**

Provide Bituthene P-3000 Primer or approved equal F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material shall be Bituthene P-3000 Primer as manufactured by W. R. Grace, and be compatible with Bituthene System 4000 Waterproofing Membrane or approved equal. The material shall be provided in 5 gallon containers.

**METHOD OF MEASUREMENT:**

The material will be measured for payment by the gallon.

**BASIS OF BID:**

The unit price bid shall include all costs to furnish and deliver the material F.O.B. to any point in Monroe County. The material shall be available at supplier's yard within 24 hours of receipt of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Bituthene P-3000 Primer or approved equal	Gallon

**ITEM \_\_\_\_\_ BITUTHENE EDGE MASTIC**

**DESCRIPTION:**

Provide Bituthene Edge Mastic or approved equal F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material shall be Bituthene Edge Mastic as manufactured by W. R. Grace, and be compatible with Bituthene System 4000 Waterproofing Membrane or approved equal. The material shall be provided in 5 gallon containers.

**METHOD OF MEASUREMENT:**

The material will be measured for payment by the gallon.

**BASIS OF BID:**

The unit price bid shall include all costs to furnish and deliver the material F.O.B. to any point in Monroe County. The material shall be available at supplier's yard within 24 hours of receipt of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Bituthene Edge Mastic or approved equal	Gallon

**ITEM \_\_\_\_\_ WP-140 INDUSTRIAL WATER-BASED WATER REPELLENT**

**DESCRIPTION:**

Provide WP-140 industrial water-based water repellent F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENT:**

Material will be a water-repellent compound that is a stable, clear, penetrating solution of silicone compounds in solution, free of suspended matter. When applied to clean dry concrete or masonry surface, it will not cause any perceptible change in color, surface texture or leave a visible film. It produces a water-repellent surface after application.

The treated surface will have an average water absorption of less than .01 %.

The treated surface will repel water after 2 hours. Full cure time will be approximately 48 hours, depending upon temperature and humidity. Item will be delivered in 5 gallon pails.

**METHOD OF MEASUREMENT:**

Item shall be measured for payment by the gallon.

**BASIS OF BID:**

Unit Price bid shall include all costs to furnish and deliver material F.O.B. to any point in Monroe County. The material shall be available at supplier's yard within 24 hours of receipt of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Wp-140 Industrial Water-Based Water Repellent	Gallon

**ITEM \_\_\_\_\_ WOVEN POLYETHYLENE NYLON SHEETS**

**DESCRIPTION:**

Provide woven nylon reinforced polyethylene sheets.

**MATERIAL REQUIREMENT:**

This material shall be heavy duty 6 mil thickness.

**METHOD OF MEASUREMENT:**

The quantity of material shall be measured and supplied in rolls of 20' x 100'.or 40'x100'.

**BASIS OF BID:**

The unit price bid solicited is for F.O.B. at any point in Monroe County. The material shall be available at supplier's yard within 24 hours of receipt of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Woven Polyethylene Sheets(20' x 100')	Roll
	Woven Polyethylene Sheets(40' x 100')	Roll

**ITEM \_\_\_\_\_ PREFABRICATED STEEL ADJUSTMENT RINGS FOR MANHOLES:**

**MATERIAL REQUIREMENTS**

The material specifications shall conform with Section 604-2.04 of the New York State Specifications, where applicable, to supply A -36 steel Manhole Adjustment Rings (Heavy Duty) by Andrews Metal Products, Youngstown Ohio, type AR3, single height-solid unit as shown in the attached detail, type one or approved equal.

**UNIT PRICE BID**

The unit price bid shall be for each, including all costs of furnishing and delivering the material to any point in Monroe County for the quantity of units as specified.

**DELIVERY**

F.O.B. any point in Monroe County within 30 days of receipt of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Prefabricated Steel Adjustment Rings	Each

## **ITEM POLYETHYLENE PIPE PRODUCTS BY ADVANCED DRAINAGE SYSTEM (ADS)**

### **SCOPE**

This specification covers the material and quality requirements for furnishing and delivery of polyethylene fittings manufactured by Advanced Drainage System.

### **MATERIAL REQUIREMENTS**

The material shall meet the requirements of NYSDOT Standard Specifications Section 706 latest revision.

### **BASIS OF BID:**

The unit bid price shall be for any requested amount of polyethylene fittings needed during the contract period delivered; including all delivery costs to anywhere in Monroe County within 14 days.

Bid prices will be requested for saddle T's, snap T's and adapters to be available at each unit cost.

### **Delivery**

All requested fittings shall to be delivered within 14 days of the order, with deliveries scheduled to arrive at point of destination between the hours of 8:00 A.M. and 3:00 P.M., Monday through Friday excluding holidays.

### **Basis of Award**

The award will be based on the price bid for each size fitting .

**ITEM \_\_\_\_\_ PVC DRAIN BASINS AND COMPONENTS**

**DESCRIPTION**

Provide PVC drain basin and components F.O.B. to any point in Monroe County.

**MATERIAL REQUIREMENTS**

The material requirements for the Drain Basin shall be manufactured from PVC pipe stock meeting SDR 35, utilizing a thermomolding process to reform the pipe stock to the finished configuration. The drainage pipe connections stubs shall be manufactured from PVC pipe stock and formed to provide a watertight connection with the piping system. The basin to be available with 12" and 6" adapters for connection with 12" and 6" corrugated polyethylene pipe (smooth bore or tubing) ( to be specified at the time of order). The drain basin shall be as manufactured by Nyloplast USA, Inc. or approved equal. The 12" grate shall be made of cast iron and capable of supporting a H-20 loading with the standard grate. Metal used in the manufacture of the casting shall conform to ASTM A-48 Class 30B for cast iron. The casting shall be furnished with a black paint. Drain basin shall conform to the attached detail.

**UNIT PRICE BID**

The unit price bid shall be for each unit, including all cost of furnishing and delivering the unit F.O.B. to any point in Monroe County within 14 days of receipt of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	12" PVC Drain Basin	Each
	12" Cast Iron Frame and Hinged Grate	Each
	12" PVC Drain Basin and Cast Iron Frame and Hinged Grate	Each

## ITEM \_\_\_\_ ORGANIC SNOW AND ICE CONTROL PRODUCTS

### DESCRIPTION:

It shall be the purpose and intent of this award to make available to end users a variety of snow/ice control agents available in the marketplace and suitable for their intended use.

Products available under this award are required to meet the specifications and requirements contained herein. Users should note that the products offered by various vendors under this award are not identical. Like other commodities each offered product will have its own unique set of properties. They may vary in many areas including color, composition, and performance and cost to name a few. It is therefore incumbent on the users of these materials to attempt to select a cost effective products that best suits the circumstances of usage anticipated.

The vendors of these materials are a valuable resource of technical assistance and information regarding the products they offer. End users of this award are strongly encouraged to contact the various vendors of these materials and request technical advice and information to aid in selection of appropriate product, proper usage of that product and/or resolution of any problems encountered during usage.

### MATERIAL REQUIREMENT:

The material shall be suitable for stockpile treatment of salt with a de-icing liquid comprised of organic based performance enhancer by itself or a blend of OBPE with a chloride brine as indicated on the bid sheet. The deicing materials when mixed with rock salt or a combination of rock salt and sand shall demonstrate the following benefits;

- Enhance the melting capabilities of rock salt down to 0 degrees F. when used by itself or with an onboard pre-wetting liquid.
- Reduce bounce and scatter of the granular products to be applied to the road surface.
- Demonstrate a residual effect on the applied road surface.
- The OBPE shall have a corrosion value less that that of distilled water.
- The material shall meet the specifications, testing requirements and protocol consistent with the standards of the PNS "Pacific Northwest Snowfighters" Group
- In addition the material shall meet the following general chemical requirements

**Note :** This section applies only to products offered that **do not** have a Beneficial Use Determination (BUD) from New York State Department of Environmental Conservation. **HOWEVER, ALL PRODUCTS OFFERED MUST CONTAIN 250 PPM OR LESS PHOSPHORUS WITH OR WITHOUT BENEFICIALUSE DETERMINATION.**

Bids may not be accepted on any product that contains constituents in excess of the following established total concentration limits. Results are stated as Parts Per Million (ppm). If product exceeds any of the following constituents then the bidder shall identify the exception(s) and explain any mitigating circumstances. The Agency reserves the right to evaluate these exceptions and make a determination of product eligibility based on the best interests of the Agency.

## **ITEM \_\_\_\_\_ ORGANIC SNOW AND ICE CONTROL PRODUCTS**

Phosphorus 250.00 ppm  
Chromium 0.50 ppm  
Cyanide 0.20 ppm  
Cadmium 0.20 ppm  
Arsenic 5.00 ppm  
Barium 75.00 ppm  
Copper 0.50 ppm  
Selenium 5.00 ppm  
Lead 1.00 ppm  
Zinc 10.00 ppm  
Mercury 0.05 ppm

An independent certified analysis conducted within the last 3 years showing compliance with the above requirements must be submitted with the bid along with an intended use statement for the product. Exceptions to the requirements must be stated and the Agency reserves the right to reject the product

### **EQUIPMENT REQUIREMENT**

When the price per gallon includes the mixing (Option B) the vendor shall deliver the necessary pug mill mixing equipment plant to the purchasing agents site, the mixing equipment shall be supplied with adjustable liquid flow controls and a qualified operator trained by the vendor. The pugmill shall be capable of receiving different blends of aggregates and salt to produce a homogeneous blend of aggregates, salt, and liquid as desired by the purchasing agency. The purchasing agency will provide the loader and operators to assist in the mixing process to obtain optimal mixing production.

### **METHOD OF MEASUREMENT:**

The quantity of material to be paid for shall be by the gallon for either Option A or Option B.

### **BASIS OF BID:**

The county requests bids in for each material designated as follows:

The unit price bid per gallon for Option A shall include all costs of furnishing and delivering the material to any point in Monroe County

The unit price per gallon for Option B shall include all costs for the vendor furnishing, delivering the material and mixing (w/portable pugmill) the material with agency salt and aggregate at the agency storage facility.

**ITEM \_\_\_\_ ORGANIC SNOW AND ICE CONTROL PRODUCTS**

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Pay Unit</b>
	Organic Snow and Ice control liquid (Option A- delivered)	Gallon
	Organic Snow and Ice control liquid (Option B delivered and mixed at agency storage facility)	Gallon

**ITEM                    PRECAST CONCRETE DRAINAGE UNITS (TYPE A & S):**

**DESCRIPTION:**

Provide precast drainage inlets of the sizes and configurations as listed in the specification

**MATERIAL REQUIREMENT:**

The material requirements shall be as specified in Section 706-04 of the New York State Specifications as shown on the NYSDOT standard sheets 604 Series and in the attached MCDOT detail.

MCDOT Type A Precast Concrete 24" X 24" inside dimensions with knockouts as required, and 21, 24", 30", and 36" inside depth as required.

NYSDOT Type S Precast Concrete 24" X 32" inside dimensions with knockouts as required, and 24", 30", and 36" inside depth as required.

**Both types precast concrete drainage units shall be fully coated (interior and exterior) with two coats of Koppers super service black bituminous coating or equal.**

**BASIS OF BID:**

The unit price bid shall be for each, including all cost of furnishing and delivering the unit F.O.B. to any point in Monroe County within 14 days of receipt of order.

**BASIS OF PAYMENT:**

Payment will be made under:

<b>Item No.</b>	<b><u>Description</u></b>	<b><u>Pay Unit</u></b>
	MCDOT Type A Precast Concrete Drainage Unit (24"x 24"x 21" ID)	Ea.
	MCDOT Type A Precast Concrete Drainage Unit (24"x 24"x 24" ID)	Ea.
	MCDOT Type A Precast Concrete Drainage Unit (24"x 24"x 30" ID)	Ea.
	MCDOT Type A Precast Concrete Drainage Unit (24"x 24"x 36" ID)	Ea.
	MCDOT Type S Precast Concrete Drainage Unit (24" x 32" x 24" ID)	Ea.
	MCDOT Type S Precast Concrete Drainage Unit (24" x 32" x 30" ID)	Ea.
	MCDOT Type S Precast Concrete Drainage Unit (24" x 32" x 36" ID)	Ea.

**ITEM        PRECAST CONCRETE RISERS FOR TYPE A & S DROP INLETS:**

**DESCRIPTION:**

Provide Precast Concrete Risers for MCDOT Type A (24”Sq.) & NYSDOT Type S Drop Inlets.

**MATERIAL REQUIREMENT:**

The material requirements shall be as specified in Section 706-04 of the New York State Specifications as shown on the NYSDOT standard sheets 604 Series and in the attached MCDOT detail. All concrete used shall meet a standard of 4000 psi compressive strength after 28 days, with air entrainment. Number 4 rebars shall be utilized having an outside cover of 3 inches. **The risers shall be fully coated (interior and exterior) with two coats of Koppers super service black bituminous coating or equal.**

**Dimensions**

The dimension of the precast concrete risers for MCDOT **type A** drop inlet shall be as follows:

- a. Inside dimension = 24" X 24".
- b. Outside dimension = 36" X 36".
- c. Risers to be supplied shall be 6”, 8", 12", and 18" heights.

The dimension of the precast concrete risers for NYSDOT **type S** drop inlet shall be as follows:

- a. Inside dimension = 24" X 32".
- b. Outside dimension = 36" X 44".
- c. Risers to be supplied shall be 6”, 8", and 12" heights.

**BASIS OF BID:**

The unit price bid shall be for each, including all cost of furnishing and delivering the unit F.O.B. to any point in Monroe County within 14 days of receipt of order.

**BASIS OF PAYMENT:**

<b><u>Item No.</u></b>	<b><u>Description</u></b>	<b><u>Pay Unit</u></b>
	Precast Concrete Drainage Unit Riser 6” for MCDOT Type A Drainage Inlet	Ea.
	Precast Concrete Drainage Unit Riser 8” for MCDOT Type A Drainage Inlet	Ea.
	Precast Concrete Drainage Unit Riser 12” for MCDOT Type A Drainage Inlet	Ea.
	Precast Concrete Drainage Unit Riser 18” for MCDOT Type A Drainage Inlet	Ea.
	Precast Concrete Drainage Unit Riser 6” for MCDOT Type S Drainage Inlet	Ea.
	Precast Concrete Drainage Unit Riser 8” for MCDOT Type S Drainage Inlet	Ea.
	Precast Concrete Drainage Unit Riser 12” for MCDOT Type S Drainage Inlet	Ea.

## ASPHALT PRICE ADJUSTMENT APPENDIX

### Description

Price adjustments allowed will be based on the February 1, 2010 average of the F.O.B. terminal price per English ton of unmodified PG 64-22 binder without anti-stripping agent (base average F.O.B. terminal price). The new monthly average terminal price will be determined by the New York State Department of Transportation based on prices of preapproved primary sources of performance graded binder in accordance with the New York State Department of Transportation Standard Specification.

The September 1, 2010 average terminal price is **\$489/Ton**

NOTE: The same grade of asphalt cement used in establishing the base average F.O.B. terminal price shall be used in establishing the new average F.O.B. terminal price.

In the event that one or more of the New York State Department of Transportation preapproved sources discontinue posting a price for asphalt cement, the base average F.O.B. terminal **price shall not be recalculated.**

- Price adjustments will be in accordance with the formula below and will be effective for deliveries made on and after the first of the month.
- The **unit prices per english ton of bituminous concrete material** purchased from any award based on this specification will be subject to adjustment based on the following formula:

Price Adjustment (per ton) Asphalt	=	$\frac{\text{New Monthly Average (per english ton)} - \text{Base Average Terminal Price}}{235}$	x	Total % Asphalt Plus Fuel Allowance
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- The **unit prices per square yard of paver placed surface treat 'Novachip'** material purchased from any award based on this specification will be subject to adjustment based on the following formula:

'Novachip' Adjustment (per sq. yd.)	=	$\frac{\text{New Monthly Average (per english ton)} - \text{Base Average Terminal Price}}{235}$	X	.07 (Total % petroleum (7%))	x	0.03
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- The **unit prices per square yard of fiber reinforced surface treatment** material purchased from any award based on this specification will be subject to adjustment based on the following formula:

Fiber reinforced Surface treatment Adjustment (per sq. yd.)	=	$\frac{\text{New Monthly Average (per english ton)} - \text{Base Average Terminal Price}}{235}$	x	Total % Asphalt Plus Fuel Allowance	x	0.40
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- The **unit prices per gallon of liquid bituminous asphalt emulsions** material purchased from any award based on this specification will be subject to adjustment based on the following formula:

Price adjustment Per Gallon	=	$\frac{\text{New Monthly Average (per english ton)} - \text{Base Average Terminal Price}}{235}$	x	Total Allowable Asphalt & Fuel Allowance
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## ASPHALT PRICE ADJUSTMENT APPENDIX

### NEW MONTHLY AVERAGE F.O.B. TERMINAL PRICE:

The average F.O.B. terminal price for unmodified **PG 64-22** binder without anti-stripping agent as determined by the New York State Department of Transportation per New York State Department of Transportation Standard Specification.

### BASE AVERAGE F.O.B. TERMINAL PRICE:

The average F.O.B. terminal price of unmodified PG 64-22 binder without anti-stripping agent as determined by the New York State Department of Transportation.

### TOTAL % ASPHALT PLUS FUEL BY MATERIAL TYPE

The percentage of total allowable asphalt and fuel for each item is as follows:

ITEM	% ASPHALT	+ FUEL ALLOWANCE	TOTAL % ASPHALT + FUEL ALLOWANCE
Type I Asphalt Base	5.00	1	6.00 %
Type I Asphalt Base (Recycled)	3.10	1	4.10 %
Type 3 Asphalt Binder	5.50	1	6.50 %
Type 3 Asphalt Binder (Recycled)	3.60	1	4.60 %
Type 5 Asphalt Shim	8.25	1	9.25 %
Type 6F Asphalt Top	6.20	1	7.20 %
Type 6F Asphalt Top (Recycled)	4.50	1	5.50 %
Type 7F Asphalt Top	6.85	1	7.85%
Type 7F Asphalt Top (Recycled)	5.10	1	6.10 %
Recycled Foamed Asphalt	2.50	1	3.50%
6.3mm F2 Polymer modified	6.50	1	7.50 %
Flexible Overlay/Smooth Seal	7.00	1	8.00 %
Flexible Top	5.50	1	6.50 %
Binder 19 mm F9 Superpave	4.90	1	5.90 %
Top 12.5 mm F2 Superpave	5.50	1	6.50%
Top 9.5 mm F2 Superpave	6.20	1	7.20%
Shim Course F9 Superpave	8.25	1	9.25%
True & Level F9 Superpave	**	1	*** %
Paver placed surface treatment 'Novachip'	7.00	0	7.00 %
<b>Asphalt Emulsions</b>			
CMS-2	65	12	77 %
CRS-2	65	3	68 %
CRS-2p	65	3	68 %
CSS-1	57	0	57 %
CSS-1h	57	0	57 %
RS-2	63	3	66 %
RS-2p	63	3	66 %
HFRA	65	5	70%
HFMS-2	65	10	75 %
HFMS-2gh	75	3	78 %
HFMS-2h	65	3	66 %
HFRS-2	63	3	66 %
HFRS-2p	63	3	66 %
HRMS2h Tack coat	35	0	35 %
Rapid breaking tack	35	0	35 %
CSS-1h Tack Coat	35	0	35 %
PG 64-22 (AC-20 w/ fiber crack fill)	95	0	95 %
18-64	100	0	100 %
Polymer Crack fill (ASTM D6690)	56	0	56 %

## ASPHALT PRICE ADJUSTMENT APPENDIX

MC 30	100	2	102%
DEC 50	25	25	50%

\*\* The conversion factor will be computed separately using the conversion factors for the individual mixture used

EXAMPLE: Item Asphalt Hot Mix 6F top

Base Average Price = \$150.00

New Average Price = \$160.00

Total % Asphalt plus Fuel = 7.4%

$\$160.00 - \$150.00 \times 0.074 = +\$0.74$  per English Ton

**\*Fuel Allowance represents allowance for energy (fuel, electricity, natural gas) used in the production of asphalt. It is a cost associated with the product and not intended to represent any trucking or hauling of product.**

### NOTE:

**All materials with identical numbers preceding the decimal and identical first and second number after the decimal receive the price adjustment shown for the base material.**

Positive Price Adjustment number shall be added to original bid price per English ton.

Negative Price Adjustment number shall be subtracted from original bid price per English ton.

Price adjustments allowed by this contract shall be calculated and applied to the original prices. **There will not be price adjustments unless** the change amounts to more than \$.10 per English ton from the original prices for asphalt hot mixes, and \$0.011 for asphalt emulsions and 'novachip'. In these instances prices will revert back to the original prices.

All price adjustments will be computed to three decimal places.

Should these provisions result in a price structure which becomes unworkable, detrimental or injurious to the State or in prices which are not truly reflective of market conditions or which are deemed by the Commissioner to be unreasonable or excessive, and no adjustment in price is mutually agreeable, the Commissioner reserves the sole right upon ten days written notice mailed to the contractor to terminate any contract resulting from this bid opening.

Price adjustment shall be published by the State and issued to all contract holders, whose responsibility will be to attach the appropriate state notification (based on when the work was performed) to the payment invoice submitted to agency.

Work performed after the expiration of the contract, where no extension has been granted, resultant from purchase orders placed prior to expiration of the contract will receive the price adjustments in effect the last month of the contract.

Price adjustment for any contracts that are extended will be based on the new average for the month in which the work is done applying the same base established for that contract.

## 2011 HIGHWAY MATERIALS GROUP II

ITEM	Price Page	Spec No.
Asphalt Concrete Hot Mix Courses	1-2	1
Plant Mixed Asphalt Patching Material	2	2
Modified Plant Mixed Asphalt Patching Material	2	3
Recrushed Asphalt Millings	2	4
Material Hauling	2	5
Bituminous Material (Liquid) Tack Coat in Five (5) Gal. Pails	2	6
Stone Aggregates (Quarry)	3-4	11
Stone Aggregates (Gravel Pit)	5	11
Concrete For Structures	6	14
Concrete Grouting Material	6	15
Controlled Low Strength Material	6	16
Flowable Fill Pure Waters Blend	6	17
Topsoil	7-8	18
Fill Dirt Material	7-8	19
Compost Topsoil	7-8	20
Select Structural Fill Material	7-8	21
Sand Material	7-8	22
Masonry Items	7-8	23
Common Sewer Brick	9	24
Patio Pavers	9	25
Detectable Warning Materials	9	26
Grass Seed - General Mix (Highway Blend)	9	27A
Grass Seed - Premium Mix (Pure Water Blend)	9	27B
Grass Seed - Annual Ryegrass	9	27C
Grass Seed - Quick Grow / Triple Perennial Ryegrass Mix	9	27D
Hydroseed Mulch (Cellulose - Paper)	9	27E
Hydroseed Mulch (Wood and Cellulose Fiber Mixture)	9	27F
Hydroseed Tackifiers	9	27G
Turf Line Ice Melter	9	29
Super 5000 Concrete Mix	9	31
Speedcrete Red Line Fast Setting Concrete Mix	9	32
Speedcrete Green Line Semi-flowable Concrete Mix	9	33
Speedcrete Blue Line Fast Setting Concrete Mix	9	34
Black Beauty	9	

Note: Locate Item Spec number in the footer of the individual spec.

GROUP II

## 2011 HIGHWAY MATERIALS GROUP II

ITEM	Price Page	Spec No.
MASTERFLOW ® 648 CP Plus (PolyGrout Tamms <i>Ind.</i> )	9	57
MASTERFLOW ® 713 CP Plus	9	58
Plastic Safety Fencing	10	35A
Polyethylene Snow Fence	10	35
Steel Snow Fence Post	10	37
Calcium Chloride	10	38
Geotextile Bedding Fabric	10	40
Geotextile Undercut Separation Fabric	10	41
Biaxial Geogrid Base Reinforcement Material	10	42
Geotextile Drainage Fabric	10	43
Erosion Control Silt Fence	10	44
Turbidity Curtain	10	45
Sedimentation Filtration Mat	10	46
Silt Filtration Bag	10	47
Geotextile Slope Protection - Temporary	10	48
Geotextile Slope Protection - Permanent	10	49
Set -45 Concrete	11	53
Penetrating Protective Sealer	11	54
Cono-crete 149 Epoxy Mortar	11	55
Thorite Fast Setting High Strength Patching Material	11	56
Catalytic Bonding Asphalt	11	59
Daraweld -C	11	61
Epoxy Polysulfide Binder	11	62
EUCO Concrete Coat	11	63
EUCO Verticoat	11	64
Bituthene 4000 Membrane	11	65
Bituthene P-3000 Primer	11	66
Bituthene Edge Mastic	11	67
WP-140 Industrial Water Based Water Repellent	11	68
Woven Nylon Polyethylene Nylon Sheets	11	70
Steel Manhole Adjustment Rings	12	71
Polyethylene Pipe Products by ADS	12	72
Drainage Items	12-13	73/75/76
Organic Snow and Ice Control products	14	74
Asphalt Price Adjustment Appendix		

Note: Locate Item Spec number in the footer of the individual spec.

GROUP II

**ITEM ASPHALT CONCRETE ASPHALT COURSES**

December 2011 Index Price = \$557 US Ton

MATERIAL	Unit	Barre Stone - Albion	Hanson Aggregates HF	Hanson - McKee Rd	Hanson Aggregates Stafford	Iroquois Rock - Brockport	Iroquois Rock - Henrietta	Rochester Asphalt Material - Gates	Rochester Asphalt Material - Penfield	Rochester Asphalt Material - Victor	Rochester Asphalt Material - Waiworth	Innovative Municipal @Barre Stone	Innovative Municipal @Buffalo Crushed Stone	Villager @ Silverole Drive
Type 1 Base Course	TON	54.08	54.88	56.08	54.88	54.58	55.58	55.58	55.58	56.58	55.58	No Bid	No Bid	No Bid
Type 1 Base Course (Recycled)	TON	No Bid	53.59	No Bid	53.59	53.29	54.29	54.29	54.29	No Bid	54.29	No Bid	No Bid	No Bid
Type 3 Binder Course	TON	56.17	56.42	58.42	56.42	56.42	57.42	57.42	57.42	58.42	57.42	No Bid	No Bid	No Bid
Type 3 Binder Course (Recycled)	TON	No Bid	55.13	No Bid	55.13	55.13	56.13	56.13	56.13	No Bid	56.13	No Bid	No Bid	No Bid
Type MC1 Binder Course	TON	56.17	56.42	58.42	56.42	58.42	59.42	59.42	59.42	60.42	59.42	No Bid	No Bid	No Bid
Type MC1 Binder Course (Recycled)	TON	No Bid	55.13	No Bid	55.13	57.13	58.13	58.13	58.13	No Bid	58.13	No Bid	No Bid	No Bid
Type 5 Shim Course	TON	75.29	71.29	73.79	71.29	68.79	69.79	69.79	69.79	70.79	69.79	No Bid	No Bid	No Bid
Type 6F Top Course	TON	61.65	62.40	64.40	62.40	61.40	62.40	62.40	62.40	63.40	62.40	No Bid	No Bid	No Bid
Type 6F Top Course (Recycled)	TON	No Bid	61.24	No Bid	61.24	60.24	61.24	61.24	61.24	No Bid	61.24	No Bid	No Bid	No Bid
Type 7F Top Course	TON	64.34	64.84	66.84	64.84	64.84	65.84	65.84	65.84	66.84	65.84	No Bid	No Bid	No Bid
Type 7F Top Course (Recycled)	TON	No Bid	63.65	No Bid	63.65	63.65	64.65	64.65	64.65	No Bid	64.65	No Bid	No Bid	No Bid
6.3 mm Polymer Modified	TON	71.34	70.34	No Bid	70.34	71.84	72.84	72.84	72.84	73.84	72.84	No Bid	No Bid	No Bid
Flexible Overlay (Smooth Seal)	TON	59.00	64.94	66.94	64.94	64.94	65.94	65.94	65.94	66.94	65.94	No Bid	No Bid	No Bid
Flexible Top	TON	63.42	61.92	63.92	61.92	60.92	61.92	61.92	61.92	62.92	61.92	No Bid	No Bid	No Bid
True & Leveling F9, Superpave HMA, (< 0.3 M ESAL's)	TON	59.00	57.50	No Bid	57.50	59.50	60.50	60.50	60.50	61.50	60.50	No Bid	No Bid	No Bid
True & Leveling F9, Superpave HMA, (< 3 M ESAL's)	TON	59.00	57.50	No Bid	57.50	59.50	60.50	60.50	60.50	61.50	60.50	No Bid	No Bid	No Bid
Shim Course F9, Superpave HMA, (< 0.3 M ESAL's)	TON	75.29	71.29	No Bid	71.29	68.79	69.79	69.79	69.79	70.79	69.79	No Bid	No Bid	No Bid
Shim Course F9, Superpave HMA, (< 3 M ESAL's)	TON	75.29	71.29	No Bid	71.29	68.79	69.79	69.79	69.79	70.79	69.79	No Bid	No Bid	No Bid

\*\* The conversion factor will be computed separately using the conversion factors for the individual mixture used.

**ITEM ASPHALT CONCRETE ASPHALT COURSES**

December 2011 Index Price = \$557 US Ton

MATERIAL	Unit	Barre Stone - Albion	Hanson Aggregates HF	Hanson - McKee Rd	Hanson Aggregates Stafford	Iroquois Rock - Brockport	Iroquois Rock - Henrietta	Rochester Asphalt Material - Gates	Rochester Asphalt Material - Penfield	Rochester Asphalt Material - Victor	Rochester Asphalt Material - Waiworth	Innovative Municipal @Barre Stone	Innovative Municipal @Buffalo Crushed Stone	Villager @ Silverole Drive
Top Course 9.5 mm F2 Superpave HMA, (< 0.3 M ESAL's)	TON	64.94	63.44	65.44	63.44	63.44	65.44	65.44	65.44	65.44	65.44	No Bid	No Bid	No Bid
Top Course 9.5 mm F2 Superpave HMA, (< 3 M ESAL's)	TON	64.94	63.44	65.44	63.44	63.44	64.44	64.44	64.44	65.44	64.44	No Bid	No Bid	No Bid
Top Course 12.5 mm F2 Superpave HMA, (< 0.3 M ESAL's)	TON	62.97	61.72	No Bid	61.72	60.72	61.72	61.72	61.72	62.72	61.72	No Bid	No Bid	No Bid
Top Course 12.5 mm F2 Superpave HMA, (< 3 M ESAL's)	TON	62.97	61.72	No Bid	61.72	60.72	61.72	61.72	61.72	62.72	61.72	No Bid	No Bid	No Bid
Binder Course 19 mm F9 Superpave HMA, (< 0.3 M ESAL's)	TON	55.69	55.94	No Bid	55.94	55.94	56.94	56.94	56.94	57.94	56.94	No Bid	No Bid	No Bid
Binder Course 19 mm F9 Superpave HMA, (< 3 M ESAL's)	TON	55.69	55.94	No Bid	55.94	55.94	56.94	56.94	56.94	57.94	56.94	No Bid	No Bid	No Bid
Plant Mixed Stockpile Patching Material	TON	65.00	80.00	80.00	80.00	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	99.00	99.00	No Bid
Modified Stockpile Patching Materials	TON	No Bid	105.00	105.00	105.00	No Bid	No Bid	104.00	104.00	No Bid	No Bid	99.00	99.00	No Bid
ReCrushed Asphalt Millings	TON	8.50	7.75	No Bid	7.75	No Bid	No Bid	7.00	7.00	No Bid	No Bid	No Bid	No Bid	7.00
Asphalt Millings <b>Credit</b>	TON	No Bid	No Bid	No Bid	No Bid	1.00	No Bid	1.00	1.00	No Bid	No Bid	No Bid	No Bid	1.00
<b>Delivery Cost 1st Mile (To be applied to Asphalt Items)</b>	TON	No Bid	3.00	3.00	3.00	4.00	4.00	4.00	4.00	4.00	4.00	No Bid	No Bid	No Bid
<b>Delivery Cost additional Miles (To be applied to Asphalt Items)</b>	TON	No Bid	0.35	0.35	0.35	0.60	0.60	0.60	0.60	0.60	0.60	No Bid	No Bid	No Bid
Bituminous Material (Liquid ) Tack Coat	5 gallon	65.00	60.00	60.00	60.00	50.00	50.00	50.00	50.00	50.00	50.00	No Bid	No Bid	No Bid

\*\* The conversion factor will be computed separately using the conversion factors for the individual mixture used.

HIGHWAY MATERIALS GROUP II

**ITEM                      STONE AGGREGATE (QUARRY)**

MATERIAL	UNIT	Barre Stone - Albion	Dolomite - Gates	Dolomite - LeRoy	Dolomite - Ogden	Dolomite - Penfield	Dolomite - Walworth	Hanson Aggregates - Butler	Hanson Aggregates - Clarendon	Hanson Aggregates - HF	Hanson Aggregates - McKeel Rd	Hanson Aggregates - Sctsv. Rd	Hanson Aggregates - Stafford	Iroquois Rock - Brockport	Keeler Construction
5/8" Crushed Stone	Ton	10.20	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	9.25	12.50	No Bid	9.25	No Bid	No Bid
5/8" Crusher Run	Ton	7.50	13.25	7.50	No Bid	8.75	8.00	9.25	No Bid	9.25	12.50	12.50	9.25	8.00	No Bid
#1 Crushed Stone	Ton	10.20	15.00	10.00	11.50	11.00	10.25	10.00	10.00	10.00	No Bid	No Bid	10.00	10.25	No Bid
#1 Crusher Run	Ton	7.30	9.25	7.00	8.00	8.25	7.50	8.00	7.25	7.25	12.50	12.50	7.25	7.50	No Bid
#2 Crushed Stone	Ton	9.20	15.00	10.00	11.50	11.00	10.25	10.00	10.00	10.00	No Bid	No Bid	10.00	10.25	No Bid
#2 Crusher Run	Ton	7.05	8.75	6.50	7.50	7.75	7.00	8.00	7.25	7.25	12.50	12.50	7.25	7.00	No Bid
#3 Crusher Run	Ton	7.05	No Bid	6.25	No Bid	No Bid	7.00	No Bid	No Bid	7.25	No Bid	No Bid	7.25	7.00	No Bid
Crushed Stone Screenings	Ton	9.20	No Bid	No Bid	No Bid	11.00	10.25	No Bid	No Bid	10.75	No Bid	No Bid	10.75	10.75	No Bid
#1 Washed Crushed Stone	Ton	10.20	No Bid	10.50	11.50	11.50	10.75	10.00	10.00	10.00	No Bid	No Bid	10.00	10.75	No Bid
#1A Stone	Ton	11.15	No Bid	10.00	No Bid	11.00	10.25	11.25	11.25	11.25	No Bid	No Bid	11.25	10.25	No Bid
3/8" Washed Stone	Ton	10.20	No Bid	11.00	No Bid	No Bid	11.00	11.25	No Bid	11.25	No Bid	No Bid	11.25	No Bid	No Bid
#1A Washed Stone	Ton	11.15	No Bid	11.00	No Bid	11.75	11.00	11.25	11.25	11.25	No Bid	No Bid	11.25	10.50	No Bid
#1B Stone	Ton	10.20	No Bid	No Bid	No Bid	11.00	10.25	11.25	11.25	11.25	No Bid	No Bid	11.25	10.50	No Bid
#1B Washed Stone	Ton	10.20	No Bid	No Bid	No Bid	11.50	11.00	11.25	11.25	11.25	No Bid	No Bid	11.25	No Bid	No Bid
#1 ST Washed Stone	Ton	10.50	No Bid	11.00	No Bid	No Bid	11.00	10.00	No Bid	10.00	No Bid	No Bid	10.00	No Bid	No Bid
#2 Stone	Ton	9.20	15.00	10.00	11.50	11.00	10.25	10.00	10.00	10.00	No Bid	No Bid	10.00	10.25	No Bid
#2 Washed Stone	Ton	9.20	No Bid	10.50	11.50	11.50	10.75	10.00	10.00	10.00	No Bid	No Bid	10.00	10.75	No Bid
#3 Stone	Ton	9.45	No Bid	10.00	No Bid	11.00	10.25	No Bid	No Bid	10.00	No Bid	No Bid	10.00	10.25	No Bid

\* Delivery to be done by Keeler Construction. Need Keeler PO.

HIGHWAY MATERIALS GROUP II

**ITEM**      **STONE AGGREGATE (QUARRY)**

MATERIAL	UNIT	Barre Stone - Albion	Dolomite - Gates	Dolomite - LeRoy	Dolomite - Ogden	Dolomite - Penfield	Dolomite - Walworth	Hanson Aggregates - Butler	Hanson Aggregates - Clarendon	Hanson Aggregates - HF	Hanson Aggregates - McKeel Rd	Hanson Aggregates - Sctsv. Rd	Hanson Aggregates - Stafford	Iroquois Rock - Brockport	Keeler Construction
#4 Stone	Ton	9.45	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
#4A Stone	Ton	9.95	No Bid	No Bid	No Bid	11.00	10.25	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
#5 Stone	Ton	9.95	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
Recycled Concrete	Ton	8.50	6.75	No Bid	No Bid	6.75	No Bid	No Bid	No Bid	No Bid	No Bid	8.00	No Bid	No Bid	No Bid
Stone Filling (Fine)	Ton	9.20	No Bid	10.00	No Bid	11.50	10.00	10.00	10.00	10.00	No Bid	No Bid	10.00	No Bid	No Bid
Stone Filling (Light)	Ton	9.20	No Bid	11.00	No Bid	12.50	11.00	10.00	10.00	10.00	No Bid	No Bid	10.00	10.75	No Bid
Stone Filling (Medium)	Ton	11.45	No Bid	14.00	13.50	14.50	13.00	No Bid	13.00	13.00	No Bid	No Bid	13.00	13.25	No Bid
Stone Filling (Heavy)	Ton	12.95	No Bid	15.00	14.50	16.50	15.00	No Bid	14.00	14.00	No Bid	No Bid	14.00	15.25	No Bid
Rip Rap	Ton	12.75	No Bid	15.00	14.50	16.50	15.00	No Bid	16.00	16.00	No Bid	No Bid	16.00	13.25	No Bid
Plant Mixing of Aggregates	Ton	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
Delivery Cost 1st Mile ( to be applied to the aggregate bid items)	Ton	No Bid	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	No Bid	No Bid	3.00	3.00	3.00
Delivery Cost additional Miles ( to be applied to the aggregate bid items)	Ton	No Bid	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	No Bid	No Bid	0.35	0.35	0.30

\* Delivery to be done by Keeler Construction. Need Keeler PO.

HIGHWAY MATERIALS GROUP II

**ITEM      STONE AGGREGATE (GRAVEL PIT)**

<b>MATERIAL</b>	<b>UNIT</b>	<b>Dolomite - Avon</b>	<b>Dolomite - Mendon</b>	<b>Valley Sand &amp; Gravel Scottsville</b>	<b>Hamlin Sand &amp; Gravel</b>	<b>Macedon Landscaping</b>
5/8" Crushed Stone	<b>TON</b>	No Bid	No Bid	No Bid	No Bid	No Bid
#1 Crushed Stone	<b>TON</b>	<b>9.50</b>	<b>10.00</b>	No Bid	No Bid	No Bid
#1 Crusher Run	<b>TON</b>	<b>6.50</b>	No Bid	No Bid	No Bid	No Bid
#2 Crushed Stone	<b>TON</b>	<b>9.50</b>	No Bid	No Bid	No Bid	No Bid
#2 Crusher Run	<b>TON</b>	<b>6.00</b>	No Bid	<b>6.50</b>	No Bid	No Bid
Crushed Stone Screenings	<b>TON</b>	No Bid	No Bid	No Bid	No Bid	No Bid
#1 Washed Crushed Stone	<b>TON</b>	<b>9.50</b>	<b>10.00</b>	<b>9.50</b>	No Bid	No Bid
#1A Stone	<b>TON</b>	<b>9.50</b>	<b>10.00</b>	No Bid	No Bid	No Bid
3/8" Washed Stone	<b>TON</b>	<b>9.50</b>	<b>10.00</b>	<b>9.50</b>	No Bid	No Bid
#1A Washed Stone	<b>TON</b>	<b>9.50</b>	<b>10.00</b>	<b>9.50</b>	No Bid	No Bid
#1B Stone	<b>TON</b>	No Bid	No Bid	No Bid	No Bid	No Bid
#1B Washed Stone	<b>TON</b>	No Bid	No Bid	No Bid	No Bid	No Bid
#1 ST Washed Stone	<b>TON</b>	<b>9.50</b>	<b>10.00</b>	No Bid	No Bid	No Bid
#2 Stone	<b>TON</b>	<b>9.50</b>	No Bid	No Bid	No Bid	No Bid
#2 Washed Stone	<b>TON</b>	<b>9.50</b>	No Bid	<b>9.75</b>	No Bid	No Bid
Screened Gravel	<b>TON</b>	<b>6.00</b>	No Bid	<b>6.50</b>	<b>7.25 /CY</b>	<b>5.50</b>
Recycled Concrete	<b>TON</b>	No Bid	No Bid	No Bid	No Bid	No Bid
Stone Filling (Fine)	<b>TON</b>	No Bid	No Bid	No Bid	No Bid	No Bid
Stone Filling (Light)	<b>TON</b>	No Bid	No Bid	No Bid	No Bid	No Bid
Delivery Cost 1st Mile ( to be added to the per UNIT cost)	<b>TON</b>	<b>3.00</b>	<b>3.00</b>	No Bid	No Bid	<b>3.00</b>
Delivery Cost additional Miles ( to be added to the per UNIT cost)	<b>TON</b>	<b>0.35</b>	<b>0.35</b>	No Bid	No Bid	<b>0.38</b>

\*\* \$/CY

HIGHWAY MATERIALS GROUP II

**ITEM CONCRETE MIXES DELIVERED**

MATERIAL	UNIT	UNIT PRICE	VENDOR
<b>Concrete for Structures Class A</b>	CY	<b>100.00</b>	Manitou Concrete
Extra For "High Early"	CY	<b>8.00</b>	Manitou Concrete
DCI	Gal.	<b>10.00</b>	Manitou Concrete
<b>Concrete for Structures Class D</b>	CY	<b>105.00</b>	Northrup Materials
Extra For "High Early"	CY	<b>8.00</b>	Northrup Materials
DCI	Gal.	<b>9.00</b>	Northrup Materials
<b>Concrete Grouting Material</b>	CY	<b>135.00</b>	Manitou Concrete
<b>Controlled Low Strength Material</b>	CY	<b>75.00</b>	Northrup Materials
<b>Flowable Fill (Pure Waters Blend)</b>	CY	<b>75.00</b>	Manitou Concrete
Extra For Heat	CY	<b>10.00</b>	Northrup / Manitou
Extra For Small Load	Load	<b>85.00</b>	Northrup / Manitou
Extra For Retarder	CY	<b>4.00 / 5.00</b>	Northrup / Manitou
Waiting Time (In excess of 1 hour)	Min.	<b>1.25 / 1.00</b>	Northrup / Manitou

HIGHWAY MATERIALS GROUP II

**ITEM TOP SOIL, FILL,  
DIRT, SELECT FILL AND**

MATERIAL	UNIT	American Green Landscape	Dolomite - Avon	Dolomite - Mendon	Dolomite - Ogdon	Elam Sand & Gravel - West Bloomfield	Hanson Aggregates - Victor	Macedon Landscaping	R.M. Landscape	Barre Stone Products	Resurface Inc.	Valley Sand & Gravel	104 Contractors Inc.	Morrison Excavating	Hamlin Sand & Gravel	Monroe Roadways	Villager Construction	American Topsoil & Trucking
Topsoil - Screened	Ton	No Bid	No Bid	No Bid	No Bid	13.50	No Bid	No Bid	No Bid	10.75	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
Topsoil - Screened	CY	13.00	No Bid	No Bid	No Bid	No Bid	No Bid	16.00	13.00	No Bid	13.00	No Bid	13.00	15.00 22.00**	No Bid	15.50	19.00	13.00
Topsoil - Unscreened	Ton	No Bid	No Bid	No Bid	No Bid	9.50	No Bid	No Bid	No Bid	9.25	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
Topsoil - Unscreened	CY	6.00	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	10.00	No Bid	9.00	No Bid	8.00	No Bid	No Bid	12.50	13.00	10.00
Fill Dirt Material	Ton	No Bid	No Bid	5.00	3.00	3.75	No Bid	No Bid	No Bid	3.50	No Bid	5.25	No Bid	No Bid	No Bid	No Bid	4.00	No Bid
Fill Dirt Material	CY	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	8.00	No Bid	4.00	No Bid	5.00	No Bid	4.50	No Bid	8.00	6.00
Compost Topsoil	CY	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
Select Structural Fill	Ton	No Bid	6.00	No Bid	7.50	5.75	7.25	No Bid	No Bid	7.25	No Bid	6.00	No Bid	No Bid	No Bid	No Bid	7.50	No Bid
Select Structural Fill	CY	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	6.25	No Bid	12.75	No Bid
Mortar Sand	Ton	No Bid	11.00	11.50	No Bid	10.50	14.00	No Bid	No Bid	11.00	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
Grout Sand	Ton	No Bid	No Bid	No Bid	No Bid	10.50	No Bid	No Bid	No Bid	11.00	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
Concrete Sand	Ton	No Bid	10.75	11.25	No Bid	No Bid	10.00	No Bid	No Bid	11.00	No Bid	10.50	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
Material Hauling (Aggregate Items) 0 to 1 Mile	Ton	No Bid	3.00	3.00	3.00	3.50	3.00	6.50	No Bid	****3.00	No Bid	No Bid	No Bid	4.60 ***	No Bid	No Bid	No Bid	No Bid
Material Hauling (Aggregate Items) >1 Mile	Ton	No Bid	0.35	0.35	0.30	0.40	0.35	1.00	No Bid	****.30	No Bid	No Bid	No Bid	.43 ***	No Bid	No Bid	No Bid	No Bid
Material Hauling (Aggregate Items) 0 to 1 Mile	CY	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	6.00 ****	No Bid	No Bid	No Bid	No Bid
Material Hauling (Aggregate Items) >1 Mile	CY	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid

\*15 CY Minimum Load  
 \*\* Dry (Stored Inside)  
 \*\*\* 20T Minimum Load  
 \*\*\*\*Keeler Const. for Delivery

HIGHWAY MATERIALS GROUP II

MATERIAL	UNIT	UNIT PRICE	VENDOR
Common Sewer Brick	Ea.	0.36	Miller Brick
Patio Pavers	Ea.	0.36	Miller Brick
Highway Common Brick FULL HEIGHT	Ea.	0.36	Miller Brick
Highway Common Brick HALF HEIGHT	Ea.	0.39	Miller Brick
Surface Applied Detectable Warning Materials	SF	13.50	Little Falls Lumber
Embedded Preformed Detectable Warning Materials	SF	13.50	Little Falls Lumber
Detectable Warning Paver Brick	SF	6.00	Allied - Keystone
<b>GRASS SEED AND ICE MELTER</b>			
Grass Seed General Mix (Highway Blend)	50 # Bag	57.00	Northern Nurseries
Grass Seed Premium Mix (Pure Waters Blend)	50 # Bag	59.00	Northern Nurseries
Grass Seed Quick Grow / Triple Perennial Ryegrass Mix	50 # Bag	49.00	Northern Nurseries
Grass Seed Annual Ryegrass	50 # Bag	26.00	Northern Nurseries
Hydroseed Mulch (Cellulose - Paper)	Lb.	0.26	Northern Nurseries
Hydroseed Mulch (Wood and Cellulose Fiber Mixture)	Lb.	0.26	Northern Nurseries
Hydroseed Tackifiers	Lb.	3.44	Northern Nurseries
Turfline Ice Melter (42 bags / pallet)	Pallet	772.80	High Point Mills
Turfline Ice Melter	50 # Bag	18.40	High Point Mills
<b>MORTAR / CONCRETE / BLACK BEAUTY</b>			
Mortar Mix	80 # Bag	4.10	Little Falls Lumber
Concrete Mix	80 # Bag	4.10	Little Falls Lumber
Portland Cement	94 # Bag	8.95	Allied - Keystone
Type S Pre Blended Mortar Mix (ASTM C270)	80 # Bag	4.10	Little Falls Lumber
Super 5000 Concrete Mix	80 # Bag	4.50	Little Falls Lumber
Speedcrete RED LINE (Kaufman HICAP 15 MED)	50 # Bag	11.50	Little Falls Lumber
Speedcrete GREEN LINE (Kaufman DURACRETE II)	50 # Bag	12.50	Little Falls Lumber
Speedcrete BLUE LINE	50 # Bag	16.40	Allied - Keystone
MASTERFLOW ® 648 CP Plus (PolyGrout Tamms <i>Ind.</i> )	Kit	158.00	Allied - Keystone
MASTERFLOW ® 713 CP Plus (CRYSTEX By L&M)	55 # Bag	16.50	Allied - Keystone
Black Beauty	100 # Bag	8.95	Allied - Keystone

HIGHWAY MATERIALS GROUP II

MATERIAL	UNIT	UNIT PRICE	VENDOR
<b><u>SNOW FENCE / POST / CALCIUM CHLORIDE</u></b>			
Plastic Safety Fence	Each /50 Foot Roll	17.49	Volvo Rents
Steel Snow Fence Post	Each	5.50	Volvo Rents
656-2 Calcium Chloride	50 # bag	10.65	Allied - Keystone
<b><u>GEOTEXTILE FABRICS</u></b>			
Biaxial Geogrid Reinforcement Material	SF	0.211	Little Falls Lumber
Geotextile Bedding Fabric	SF	0.185	Little Falls Lumber
Geotextile Undercut Seperation Fabric	SF	0.081	Little Falls Lumber
Geotextile Drainage Fabric	SF	0.085	Little Falls Lumber
Erosion Control Silt Fence	LF	0.205	Volvo Rents
Turbidity Curtain	SF	2.120	Little Falls Lumber
Sediment Filtration Mat (4'x10' Roll)	SF	1.555	Little Falls Lumber
Silt Filtration Bag	Each	58.75	Little Falls Lumber
Geotextile Slope Protection Temporary	SF	0.060	Little Falls Lumber
Geotextile Slope Protection Permanent	SF	0.077	Little Falls Lumber
<b><u>BRIDGE MAINTENANCE ITEMS</u></b>			
Set 45 Concrete (Speedcrete 2028) / Sika Quick 2500 / KAUFMAN DURACRETE II	50 # Bag	14.75	Little Falls Lumber
Penetrating Protective Sealer (Barricade 100)	Gal.	29.50	Volvo Rents
Cono/Crete 149 Epoxy Mortor DURAFLEX Patch	40 # cntr	60.00	Volvo Rents
Thorite Fast Setting High Strength Patching Material / Thin Patch	50 # Bag	19.65	Volvo Rents
Catalytic Bonding Asphalt	5 Gal.	135.00	Little Falls Lumber
Duraweld -C Armetec (Hornweld) / KAUFMAN SURE BOND	5 Gal.	63.00	Little Falls Lumber
Epoxy Polysulfide Binder / KAUFMAN Surepoxy HM	3 Gal.	136.50	Little Falls Lumber
EUCO Concrete Coat Latex Modified Patch Kit / Tammspatch II	Kit	23.98	Volvo Rents
EUCO Vericoat w/ 1 gal. Verticn mix liquid / Tammspatch II	Kit	23.98	Volvo Rents
BITUTANE 4000 Membrane / ROYSTON 10A	SF	0.60	Little Falls Lumber
BITUTANE P-3000 Primer / ROYSTON 713 A Primer	Gal.	20.00	Little Falls Lumber
BITUTANE Edge Mastic	Gal.	21.95	Allied - Keystone
WR 140 Industrial Water Based Water Repellent (Chemstop)	Gal.	17.00	Volvo Rents
Woven Polyethelene Nylon Sheets (20' X 100')	Roll	68.50	Little Falls Lumber
Woven Polyethelene Nylon Sheets (40' X 100')	Roll	150.00	Allied - Keystone

HIGHWAY MATERIALS GROUP II

MATERIAL	UNIT	UNIT PRICE	VENDOR
<b><u>DRAINAGE ITEMS</u></b>			
Prefabricated Adjustment Rings For Manholes	Each	<b>310.00</b>	Syracuse Castings
12" PVC Drain Basin	Each	<b>259.60</b>	Chemung Supply
12" Cast Iron Frame and Hinged Grate	Each	<b>99.00</b>	Syracuse Castings
12" PVC Drain Basin and Cast Iron Frame and Hinged Grate	Each	<b>354.64</b>	Chemung Supply
MCDOT Type A Precast Concrete Drainage Unit (24"x 24"x 21" ID)	Each	<b>200.00</b>	Lakelands Concrete
MCDOT Type A Precast Concrete Drainage Unit (24"x 24"x 24" ID)	Each	<b>220.00</b>	Lakelands Concrete
MCDOT Type A Precast Concrete Drainage Unit (24"x 24"x 30" ID)	Each	<b>259.00</b>	Lakelands Concrete
MCDOT Type A Precast Concrete Drainage Unit (24"x 24"x 36" ID)	Each	<b>298.00</b>	Lakelands Concrete
MCDOT Type S Precast Concrete Drainage Unit (24" x 32" x 24" ID)	Each	<b>249.00</b>	Lakelands Concrete
MCDOT Type S Precast Concrete Drainage Unit (24" x 32" x 30" ID)	Each	<b>295.00</b>	Lakelands Concrete
MCDOT Type S Precast Concrete Drainage Unit (24" x 32" x 36" ID)	Each	<b>341.00</b>	Lakelands Concrete
Precast Concrete Drainage Unit Riser 6" for MCDOT Type A Drainage Inlet	Each	<b>108.00</b>	Lakelands Concrete
Precast Concrete Drainage Unit Riser 8" for MCDOT Type A Drainage Inlet	Each	<b>124.00</b>	Lakelands Concrete
Precast Concrete Drainage Unit Riser 12" for MCDOT Type A Drainage Inlet	Each	<b>132.00</b>	Lakelands Concrete
Precast Concrete Drainage Unit Riser 18" for MCDOT Type A Drainage Inlet	Each	<b>146.00</b>	Lakelands Concrete
Precast Concrete Drainage Unit Riser 6" for MCDOT Type S Drainage Inlet	Each	<b>119.00</b>	Lakelands Concrete
Precast Concrete Drainage Unit Riser 8" for MCDOT Type S Drainage Inlet	Each	<b>131.00</b>	Lakelands Concrete
Precast Concrete Drainage Unit Riser 12" for MCDOT Type S Drainage Inlet	Each	<b>141.00</b>	Lakelands Concrete

## HIGHWAY MATERIALS GROUP II

<b>MATERIAL</b>	<b>UNIT</b>	<b>UNIT PRICE</b>	<b>VENDOR</b>
Saddle Tee 4x12	Each	<b>34.00</b>	<b>Chemung Supply</b>
Saddle Tee 4x15	Each	<b>36.00</b>	<b>Chemung Supply</b>
Saddle Tee 4x18	Each	<b>58.00</b>	<b>Chemung Supply</b>
Saddle Tee 4x24	Each	<b>59.00</b>	<b>Chemung Supply</b>
Saddle Tee 4x30	Each	<b>88.00</b>	<b>Chemung Supply</b>
Saddle Tee 4x36	Each	<b>109.00</b>	<b>Chemung Supply</b>
Saddle Tee 6x12	Each	<b>35.00</b>	<b>Chemung Supply</b>
Saddle Tee 6x15	Each	<b>46.00</b>	<b>Chemung Supply</b>
Saddle Tee 6x18	Each	<b>65.00</b>	<b>Chemung Supply</b>
Saddle Tee 6x24	Each	<b>71.00</b>	<b>Chemung Supply</b>
Saddle Tee 6x30	Each	<b>93.00</b>	<b>Chemung Supply</b>
Saddle Tee 6x36	Each	<b>116.00</b>	<b>Chemung Supply</b>
Clay Adapter 3"	Each	<b>1.41</b>	<b>Chemung Supply</b>
Clay Adapter 4"	Each	<b>1.41</b>	<b>Chemung Supply</b>
Clay Adapter 6"	Each	<b>4.05</b>	<b>Chemung Supply</b>
Snap T's 4x4	Each	<b>3.37</b>	<b>Chemung Supply</b>
Snap T's 6x6	Each	<b>7.50</b>	<b>Chemung Supply</b>
Snap T's 6x4	Each	<b>7.71</b>	<b>Chemung Supply</b>

HIGHWAY MATERIALS GROUP II

**ITEM** ORGANIC BASED SNOW AND ICE PRODUCTS

OPTION A - Product Furnished and Delivered

PRODUCT NAME	PRODUCT COLOR	% BLEND of Product (w/ Chloride Liquid)	CHLORIDE LIQUID TYPE	UNIT	UNIT PRICE	VENDOR
AgriGold	Gold/Brown	50	Calcium	Gallon	0.65	Innovative Municipal Products (US) Inc
CALIBER M2000 w/AP	Blue	80	Magnesium	Gallon	1.12	Innovative Municipal Products (US) Inc
IB 25/75	Black	25	Calcium	Gallon	0.80	Millenium Roads
IB 40/60	Black	40	Calcium	Gallon	0.80	Millenium Roads
IB 7/93	Black	7	Calcium	Gallon	0.80	Millenium Roads
ICE B GONE II	Brown	80	Magnesium	Gallon	1.28	Innovative Municipal Products (US) Inc
Magic O	Brown	70	Magnesium	Gallon	1.30	Innovative Municipal Products (US) Inc
Melt Down	Clear	26	Magnesium	Gallon	0.77	Innovative Municipal Products (US) Inc

**ITEM** ORGANIC BASED SNOW AND ICE PRODUCTS - MIXED

OPTION B - Product Furnished, Delivered and Mixed

PRODUCT NAME	PRODUCT COLOR	% BLEND of Product (w/ Chloride Liquid)	CHLORIDE LIQUID TYPE	UNIT	UNIT PRICE	VENDOR
AgriGold	Gold/Brown	50	Calcium	Gallon	0.85	Innovative Municipal Products (US) Inc
CALIBER M2000 w/AP	Blue	80	Magnesium	Gallon	1.42	Innovative Municipal Products (US) Inc
IB 40/60	Black	40	Calcium	Gallon	0.95	Millenium Roads
ICE B GONE II	Brown	80	Magnesium	Gallon	1.48	Innovative Municipal Products (US) Inc
Magic O	Brown	70	Magnesium	Gallon	1.65	Innovative Municipal Products (US) Inc
Melt Down	Clear	26	Magnesium	Gallon	1.17	Innovative Municipal Products (US) Inc