



CONTRACT DATA SHEET

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

TITLE:	Highway Materials — Group II
CONTRACT #:	0402-07
CONTRACT DATES:	4/1/07-3/31/08
BUYER:	John Burke
PHONE:	585/753-1122
FAX:	585/753-1104
VENDOR(S):	various

TERMS AND CONDITIONS

BID ITEM: HIGHWAY MATERIALS - GROUP II

FOR: Department of Transportation

DEPARTMENT CONTACT: Tim Frelier, (585) 760-7731

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. **COPIES AND FACSIMILES ARE NOT ACCEPTABLE.**

All bidders must submit proof that they have obtained the required **Worker's 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.

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. **Estimates are based upon actual annual usage for 2006 by County departments only.**

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, depending on whichever method results in the lowest overall cost to 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, 2008**, 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.

**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.

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.

**SECURITIES AND
INSURANCE:**

Any Certificates 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.

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.

INSURANCE REQUIREMENTS
INDEMNIFICATION

The Contractor shall procure and maintain at his own expense until final completion of the work covered by the Contract, insurance for liability for damages imposed by law of the kinds and in the amounts hereinafter provided, issued by insurance companies authorized to do business in the State of New York, covering all operations under the Contract whether performed by the Contractor or by his subcontractors. Monroe County must be named as Additional Insured on all policies.

Within ten (10) days after notice of award, the Contractor shall furnish to the County a certificate or certificates of insurance in a form satisfactory to the Monroe County Attorney (a sample form is attached to these specifications) showing that he has complied with all insurance requirements set forth herein, which certificate or certificates shall provide that the policies shall not be changed or canceled until thirty (30) days written notice has been given to the County. Except for Worker's Compensation Insurance, no insurance required herein shall contain any exclusion of municipal operations performed in connection with the Contract resulting from this bid solicitation. The kinds and amounts of insurance are as follows:

A. **WORKER'S COMPENSATION AND DISABILITY INSURANCE:** A policy covering the operations of the Contractor in accordance with the provisions of Chapter 41 of the Laws of 1914, as amended, known as the Worker's Compensation Law, covering all operations under Contract, whether performed by him or by his subcontractors. The Contract shall be void and of no effect unless the person or corporation making or executing same shall secure compensation coverage for the benefits of, and keep insured during the life of said Contract, such employees in compliance with the provisions of the Worker's Compensation Law know as the Disability Benefits Law (Chapter 600 of the Laws of 1949) and amendments hereto.

B. **LIABILITY AND PROPERTY DAMAGE INSURANCE:**

(1) **CONTRACTOR'S GENERAL LIABILITY INSURANCE** issued to the Contractor and covering the liability for damages imposed by law upon the Contractor with respect to all work performed by him under the within Contract. All of the following coverages shall be included:

Comprehensive Form
Premises-Operations
Products/Completed Operations
Contractual Insurance covering the Hold Harmless Provision
Broad Form Property Damage
Independent Contractors
Personal injury

(2) Unless otherwise specifically required by special specifications, each policy shall have limits of not less than the following:

BODILY INJURY LIABILITY	PROPERTY DAMAGE LIABILITY	AGGREGATE
Each Occurrence \$1,000,000	Each Occurrence \$1,000,000	\$3,000,000

C. **MOTOR VEHICLE INSURANCE** issued to the Contractor and covering public liability and property damage on the Contractor's vehicles in the amount of:

BODILY INJURY LIABILITY	PROPERTY DAMAGE LIABILITY	AGGREGATE
Each Occurrence \$1,000,000	Each Accident \$1,000,000	\$3,000,000

A sample insurance certificate is included with these specifications. All categories and amounts of insurance required for this bid project have been checked off on the sample. These are the minimum requirements that the Contractor must supply. Failure to supply a satisfactory certificate within ten (10) days after receipt of Notice of Award may result in the cancellation of the award.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

PRODUCER

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE

NAIC #

INSURED

INSURER A:

INSURER B:

INSURER C:

INSURER D:

INSURER E:

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS	
		GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR _____ _____ GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC				EACH OCCURRENCE	\$ 1,000
						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$
						MED EXP (Any one person)	\$
						PERSONAL & ADV INJURY	\$
						GENERAL AGGREGATE	\$ 3,000
						PRODUCTS-COMP/OP AGG	\$
		AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS _____				COMBINED SINGLE LIMIT (Ea accident)	\$ 3,000
						BODILY INJURY (Per person)	\$ 1,000
						BODILY INJURY (Per accident)	\$ 1,000
						PROPERTY DAMAGE (Per accident)	\$ 1,000
		GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT	\$
						OTHER THAN AUTO ONLY: EA ACC	\$
						AGG	\$
		EXCESS/UMBRELLA LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE _____ _____ DEDUCTIBLE RETENTION \$				EACH OCCURRENCE	\$
						AGGREGATE	\$
							\$
							\$
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below	INSERT #			WC STAT-TORY LIMITS	OTH-ER
						E.L. EACH ACCIDENT	\$
						E.L. DISEASE-EA EMPLOYEE	\$
						E.L. DISEASE-POLICY LIMIT	\$
		OTHER					

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

REFER TO BID PROJECT #0402-07

COUNTY MUST BE NAMED AS ADDITIONAL INSURED.

CERTIFICATE HOLDER

County of Monroe
 Department of Purchasing
 39 West Main Street, Room 200
 Rochester, NY 14614
 Attn: John R. Burke

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

IMPORTANT

If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

DISCLAIMER

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s) representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

COMPLIANCE WITH FEDERAL SINGLE AUDIT ACT

In the event the Contractor is a recipient through this contract, directly or indirectly, of any funds of or from the United States Government, Contractor agrees to comply fully with the terms and requirements of Federal Single Audit Act [Title 31 United States Code, Chapter 75], as amended from time to time. The Contractor shall comply with all requirements stated in Federal Office of Management and Budget Circulars A-102, A-110 and A-133, and such other circulars, interpretations, opinions, rules or regulations that may be issued in connection with the Federal Single Audit Act.

If on a cumulative basis the Contractor expends Five Hundred Thousand and no/100 Dollars (\$500,000.00) or more in federal funds in any fiscal year, it shall cause to have a single audit conducted, the Data Collection Form (defined in Federal Office of Management and Budget Circular A-133) shall be submitted to the County; however, if there are findings or questioned costs related to the program that is federally funded by the County, the Contractor shall submit the complete reporting package (defined in Federal Office of Management and Budget Circular A-133) to the County.

If on a cumulative basis the Contractor expends less than Five Hundred Thousand and no/100 Dollars (\$500,000.00) in federal funds in any fiscal year, it shall retain all documents relating to the federal programs for three (3) years after the close of the Contractor's fiscal year in which any payment was received from such federal programs.

All required documents must be submitted within nine (9) months of the close of the Contractor's fiscal year end to:

Monroe County Internal Audit Unit
304 County Office Building
39 West Main Street
Rochester, New York 14614

The Contractor shall, upon request of the County, provide the County such documentation, records, information and data and response to such inquiries as the County may deem necessary or appropriate and shall fully cooperate with internal and/or independent auditors designated by the County and permit such auditors to have access to, examine and copy all records, documents, reports and financial statements as the County deems necessary to assure or monitor payments to the Contractor under this contract.

The County's right of inspection and audit pursuant to this contract shall survive the payment of monies due to Contractor and shall remain in full force and effect for a period of three (3) years after the close of the Contractor's fiscal year in which any funds or payment was received from the County under this contract.

NOTICE OF JOB VACANCIES

- a) The contractor recognizes the continuing commitment on the part of Monroe County to assist those receiving temporary assistance to become employed in jobs for which they are qualified, and the County's need to know when jobs become available in the community.
- b) The contractor agrees to notify the County when the contractor has or is about to have a job opening for a full time position within Monroe County or any contiguous county. Such notice shall be given as soon as practicable after the contractor has knowledge that a job opening will occur. The notice shall contain information that will facilitate the identification and referral of appropriate candidates in a form and as required by the Employment Coordinator. This would include at least a description of conditions for employment, including the job title and information concerning wages, hours per work week, location and qualifications (education and experience).
- c) Notice shall be given in writing to:
- Employment Coordinator
Monroe County Department of Human and Health Services
Rm 535
691 St Paul St.
Rochester, NY 14605
Telephone: (585)-753-6322
Fax: (585)-753-6308
- d) The contractor recognizes that this is an opportunity to make a good faith effort to work with Monroe County for the benefit of the community. Nothing contained in this provision, however, shall be interpreted as an obligation on the part of the contractor to employ any individual who may be referred by or through the County for job openings as a result of the above notice. Any decisions made by the contractor to hire any individual referred by or through the County shall be voluntary and based solely upon the contractor's job requirements and the individual's qualifications for the job, as determined by the contractor.
- e) If the contractor is a local municipality within Monroe County, said municipality shall be subject to the above subparagraphs, except that said municipalities shall not be required to give notice where the position is subject to a published civil service list.

MONROE COUNTY PURCHASING
Vendor Performance Survey

Contract Title:

Contract Number:

Vendor:

Please rank the vendor performing the contract specified on a scale from "1" to "10" with "1" being poor, "5" average and "10" excellent. Please include any additional comments or suggestions in the space provided below. Monroe County Purchasing appreciates your input.

	Poor				Average					Excellent
	1	2	3	4	5	6	7	8	9	10
Item(s) supplied met specifications										
Product provided value (taking into account price, quality, etc.)										
Timeliness of delivery										
Completeness and accuracy of order										
Ability to contact representatives of vendor when needed? (If unavailable was call back prompt?)										
Invoices received promptly and accurately										
Recommendations received from the vendor (ie. product information, cost saving strategies, ideas for better use of resources, etc.)										

Survey Completed by:

Name:

Title:

Agency:

Telephone: _____ Fax:

E-mail:

Please submit this survey to Monroe County Purchasing.

Monroe County Department of Transportation

2007 Highway Material Group II

Technical Specifications

Item numbers are not included in the specifications or bid price sheets. The specification item description will provide the reference between the technical specification and the item 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:

	Flexible Overlay/ Smooth Seal	Flexible Top	MC1 Binder
Sieve	% 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)
- 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)
- Binder Course 12.5 mm F2 Superpave HMA, (< 0.3 M ESAL’s)
- Binder Course 12.5 mm F2 Superpave HMA, (< 3M ESAL’s)
- Base Course 19 mm F9 Superpave HMA, (< 0.3 M ESAL’s)
- Base 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. Paver cost.
3. Material cost.
4. Production rate of asphalt material for project at the plant.
5. 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 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:

As noted in the proposal there are 2 ranges of pricing for the asphalt materials. The first range of 1-750 tons/day is intended for general use. The > 750 ton/day is for days when production paving is scheduled and will generally include a paver rental. During the scheduling and planning for the project the vendor and agency will agree on the daily material requirements for the project and when applicable the > 750 ton/day pricing will apply. In the event that the quantities produced and supplied for the day do not meet the > 750 tons/day due to the vendor,

ITEM _____ ASPHALT CONCRETE HOT MIX COURSES

and are in no way the fault of the agency, the > 750 ton/day pricing shall be used for the pricing with no exceptions.

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

BASIS OF PAYMENT:

The bid price will be for material by the English ton

Payment will be made under:

Item No.	Item Description	Pay Unit
	Type 1 Base Course	Ton
	Type 3 Binder Course	Ton
	Type 3 Binder Course (Recycled)	Ton
	Type MC1 Binder Course	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
	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
	Binder Course 12.5 mm F2 Superpave HMA, (< 0.3 M ESAL's)	Ton
	Binder Course 12.5 mm F2 Superpave HMA, (< 3M ESAL's)	Ton
	Base Course 19 mm F9 Superpave HMA, (< 0.3 M ESAL's)	Ton
	Base Course 19 mm F9 Superpave HMA, (< 3 M ESAL's)	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:

Item No.	Item Description	Pay Unit
	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:

Item No.	Item Description	Pay Unit
	Asphalt Millings Credit	Ton
	Recrushed Asphalt Millings	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:

Item No.	Item Description	Pay Unit
	Modified Plant Mixed Asphalt Patching Material	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:

Item No.	Description	Pay Unit
	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:

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

ITEM _____ PAVER RENTAL

DESCRIPTION:

At such time and location as determined by the County, plant mix bituminous base, binder and/or surface concrete will be placed for roadway improvement. This item provides for the rental of a finishing machine of approved type including furnishing all necessary maintenance, fuel, and all equipment, mobilization and dismantlement costs with the machine to be available on 5 days notice from the County. Bituminous material will be hauled to the finishing machine by others.

In general, the equipment shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 400, latest revision and be in good working condition. The finishing machine shall be designed with standard compaction equipment such as tamping bars and/or pressure screed. The use of electronic screed and leveling devices are required.

The unit price will include all costs for equipment associated with use of the machine. Payment will be made for either half day (0 – 4 hours) or a full day rate (> 4 hours).

This item must be bid by a bituminous concrete asphalt supplier.

METHOD OF MEASUREMENT:

The quantity to be paid under this item shall be the number of half or full day's rental provided.

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Paver Rental – Half Day	Half Day
	Paver Rental – Full Day	Full Day

ITEM _____ PAVER OPERATOR:

DESCRIPTION:

This item will provide a qualified person to operate paver on an hourly basis (both regular time and overtime)if required by the County, regardless of the asphalt quantity. Overtime is defined as the hours worked per day over 8 hours. The paver operator will have all OSHA required clothing and safety equipment.

MATERIAL REQUIREMENT:

None.

METHOD OF MEASUREMENT:

The quantity to be paid shall be the number of straight or overtime hours worked.

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Item Description	Pay Unit
	Paver Operator – Straight Time	Hours
	Paver Operator - Overtime	Hours

ITEM _____ SCREEDMAN:

DESCRIPTION:

This item will provide a qualified person to operate the paver screed on an hourly basis (both regular time and overtime) if required by the County, regardless of the asphalt quantity. Overtime is defined as the hours worked per day over 8 hours. The screed operator will have all OSHA required clothing and safety equipment.

MATERIAL REQUIREMENT:

None.

METHOD OF MEASUREMENT:

The quantity to be paid shall be the number of straight or overtime hours worked.

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Item Description	Pay Unit
	Screedman – Straight Time	Hours
	Screedman - Overtime	Hours

ITEM _____ HEAVY LABORER:

DESCRIPTION:

This item will provide a qualified person for heavy labor on an hourly basis (both regular time and overtime) if required by the County, regardless of the asphalt quantity. Overtime is defined as the hours worked per day over 8 hours. The heavy laborer will have all OSHA required clothing and safety equipment.

MATERIAL REQUIREMENT:

None.

METHOD OF MEASUREMENT:

The quantity to be paid shall be the number of hours of straight or overtime hours worked.

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Item Description	Pay Unit
	Heavy Laborer - Straight Time	Hours
	Heavy Laborer - Overtime	Hours

**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:

Item No.	Item Description	Pay Unit
	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
	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 1st 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:

Item No.	Item Description	Pay Unit
	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 1st 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:

Item No.	Item Description	Pay Unit
	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 1st 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:

Item No.	Item Description	Pay Unit
	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:

Item No.	Item Description	Pay Unit
	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:

Item No.	Description	Pay Unit
	Topsoil	Ton
	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 _____ 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:

Item No.	Item Description	Pay Unit
	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:

Item No.	Item Description	Pay Unit
	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:

Item No.	Item Description	Pay Unit
	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:

Item No.	Item Description	Pay Unit
	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.

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:

Item No.	Description	Pay Unit
	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:

Item shall be ready for delivery within 7 working days of order. Shipments are to be palletized consisting of no more than 500 bricks per pallet. Deliveries shall be made between 8:00 AM and 3:00 PM Monday through Friday.

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	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:

Item No.	Description	Pay Unit
	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

PRODUCT NAME	MANUFACTURER/LOCATION
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

PRODUCT NAME	MANUFACTURER/LOCATION
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
Provisionally Approved Detectable Warnings Paver Product List	
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:

Item No.	Description	Pay Unit
	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 _____ 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:

Item No.	Description	Pay Unit
	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:

Item No.	Description	Pay Unit
	Super 5000 Concrete Mix	Bag

ITEM _____ SPEEDCRETE RED LINE FAST SETTING CONCRETE

DESCRIPTION:

Provide Speedcrete Red Line fast setting concrete mix.

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):

AGE	COMPRESSIVE STRENGTH
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:

Item No.	Description	Pay Unit
	Speedcrete Red Line Fast Setting Concrete	Bag

ITEM _____ SPEEDCRETE GREEN LINE

DESCRIPTION:

Provide Speedcrete Green Line fast setting semi-flowable concrete mix

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:

Item No.	Description	Pay Unit
	Speedcrete Green Line Concrete	Bag

ITEM _____ SPEEDCRETE BLUE LINE

DESCRIPTION:

Provide Speedcrete Blue Line fast setting concrete mix

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:

Item No.	Description	Pay Unit
	Speedcrete Blue Line	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:

Item No.	Description	Pay Unit
	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:

Item No.	Description	Pay Unit
	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:

Item No.	Description	Pay Unit
	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:

Item No.	Description	Pay Unit
	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:

Item No.	Description	Pay Unit
	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:

Item No.	Description	Pay Unit
	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.

PROPERTY	TEST METHOD	UNITS	REQUIREMENTS
<i>Interlock</i> Aperture Size ¹ MD TD Open Area Thickness Ribs Junctions	I.D. Callipered COE Method ² 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 ³ GRI GG1-87 ⁴ GRI GG1-87 ⁴ GRI GG1-87 ⁴ GRI GG2-87 ⁴	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:

Item No.	Description	Pay Unit
	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:

Item No.	Description	Pay Unit
	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:

Item No.	Description	Pay Unit
	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:

Item No.	Description	Pay Unit
	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:

Item No.	Description	Pay Unit
	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:

Item No.	Description	Pay Unit
	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:

Item No.	Description	Pay Unit
	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:

Item No.	Description	Pay Unit
	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:

Item No.	Item Description	Pay Unit
	Centerline Delineators (500 ct)	Box

ITEM _____ CHANNELIZER CONES WITH MOLDED BASES

SCOPE

It is the intent of this item to furnish and deliver break away design, stackable 42” tall polyethylene channelizing cones, with or without solid rubber bases, with or without reflective sheeting, or just solid rubber bases as manufactured by the ‘Navigator’ ® or approved equal as indicated on the proposal pages. All units shall meet the requirements of NCHRP-350.

REQUIREMENTS

The channelizer shall be 42 “ tall and 4” wide, and shall weigh approx. 3 lbs. The channelizer shall be made of flexible and impact resistant low density polyethylene. The units shall have a closed top to prevent precipitation to enter from the top and be UV stabilized to resist fading and provide longer life.

All units shall have a loop handle with a molded hole, suitable for the installation of lights or signs. The handle shall be non-breakaway to resist separation of attachments upon impact.

The channelizer shall have five (5) 6 “ flat surfaces to allow for reflective stripes. Units may be supplied; with or without reflective sheeting; with or without solid rubber bases as requested and indicated in the bid proposal. If units are requested with sheeting, all sheeting shall be applied after flame treating to provide for maximum adhesion. The sides shall be stepped to assure non-sticking when the channelizers are stacked. The reflective sheeting shall meet the specifications of 3M series CW 80 or equal

The channelizer shall accept slip over solid rubber bases of varying weights that are designed to release upon a 20MPH impact. The bases shall have recessed bottoms to mate with the bottom shape of the channelizer, and have stacking lugs to allow for stacks to lock in position for transportation.

BASIS OF BID

The basis of the award will be to one bidder who provides the lowest bid on the total of all the items. Bidders must submit a bid on all items and be able to meet all the requirements of the specification. All units shall be delivered to Monroe County NY within 2 weeks of the issued purchase order.

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	42” Channelizer Cone with 16 # Rubber base with Reflective Sheeting	Each
	42” Channelizer Cone with 16 # Rubber base w/out Reflective Sheeting	Each
	42” Channelizer Cone (only) without Reflective Sheeting	Each
	42” Channelizer Cone (only) with Reflective Sheeting	Each
	16 # Rubber bases (only)	Each

ITEM _____ SET-45 CONCRETE

DESCRIPTION:

Provide Set-45 Concrete material

MATERIAL REQUIREMENT:

This is a material used for making concrete repairs and shall be Set-45 Concrete, as manufactured by Master Builders. 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:

Item No.	Description	Pay Unit
	Set-45 Concrete	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:

Item No.	Description	Pay Unit
	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. 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:

Item No.	Description	Pay Unit
	Cono-Crete 149 Epoxy Mortar	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. The following compressive strengths are required:

AGE	COMPRESSIVE STRENGTH
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:

Item No.	Description	Pay Unit
	Thorite Fast Setting High Strength Patching Material	Bag

ITEM _____ MASTERFLOW® 648 CP PLUS

DESCRIPTION:

Provide MASTERFLOW® 648 CP PLUS material 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.

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:

Item No.	Description	Pay Unit
	MASTERFLOW® 648 CP PLUS	Kit

ITEM _____ MASTERFLOW® 713 PLUS

DESCRIPTION:

Provide MASTERFLOW® 713 PLUS cement based grout material 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. 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:

Item No.	Description	Pay Unit
	MASTERFLOW® 713 PLUS	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 nonsetting 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:

Item No.	Description	Pay Unit
	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.

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:

Item No.	Description	Pay Unit
	Daraweld-C	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:

Item No.	Description	Pay Unit
	Epoxy Polysulfide Binder	3 Gallon Unit

ITEM _____ EUCO CONCRETE COAT LATEX MODIFIED PATCH KIT

DESCRIPTION:

Provide Euco Concrete Coat latex modified patch kit 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.

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:

Item No.	Description	Pay Unit
	Euco Concrete Coat Latex Modified patch Kit	Kit

ITEM _____ EUCO VERTICOAT

DESCRIPTION:

Provide Euclid Euco Verticoat polymer modified mortar.

MATERIAL REQUIREMENT:

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

COMPRESSIVE STRENGTH		BOND STRENGTH		FLEXURAL STRENGTH	
(ASTM C-109)		(ASTM C-882 MODIFIED)		(ASTM C-348)	
AGE	STRENGTH	AGE	STRENGTH	AGE	STRENGTH
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:

Item No.	Description	Pay Unit
	Euco Verticoat	Kit

ITEM _____ BITUTHENE 4000 MEMBRANE WATERPROOFING

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

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:

Item No.	Description	Pay Unit
	Bituthene System 4000 Waterproofing Membrane	SF

ITEM _____ BITUTHENE P-3000 PRIMER

DESCRIPTION:

Provide Bituthene P-3000 Primer 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. 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:

Item No.	Description	Pay Unit
	Bituthene P-3000 Primer	Gallon

ITEM _____ BITUTHENE EDGE MASTIC

DESCRIPTION:

Provide Bituthene Edge Mastic 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. 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:

Item No.	Description	Pay Unit
	Bituthene Edge Mastic	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:

Item No.	Description	Pay Unit
	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:

Item No.	Description	Pay Unit
	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:

Item No.	Description	Pay Unit
	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 split couplings, saddle T's, snap T's and other fittings 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:

Item No.	Description	Pay Unit
	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. 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.

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.

ITEM ____ ORGANIC SNOW AND ICE CONTROL PRODUCTS

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.

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	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

ASPHALT PRICE ADJUSTMENT APPENDIX

Description

Price adjustments allowed will be based on the February 1, 2007 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 February 1, **2007** average terminal price is **\$305.00**.

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:

$$\begin{array}{|c|} \hline \text{Price Adjustment} \\ \text{(per ton)} \\ \text{Asphalt} \\ \hline \end{array} = \begin{array}{|c|} \hline \text{New Monthly Average} \\ \text{(per english ton)} \\ \hline \end{array} - \begin{array}{|c|} \hline \text{Base Average} \\ \text{Terminal Price} \\ \hline \end{array} \times \begin{array}{|c|} \hline \text{Total \% Asphalt Plus Fuel} \\ \text{Allowance} \\ \hline \end{array}$$

- 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:

$$\begin{array}{|c|} \hline \text{'Novachip'} \\ \text{Adjustment} \\ \text{(per sq. yd.)} \\ \hline \end{array} = \begin{array}{|c|} \hline \text{New Monthly Average} \\ \text{(per english ton)} \\ \hline \end{array} - \begin{array}{|c|} \hline \text{Base Average} \\ \text{Terminal Price} \\ \hline \end{array} \times \begin{array}{|c|} \hline .07 \text{ (Total \%} \\ \text{petroleum (7\%)} \\ \hline \end{array} \times \begin{array}{|c|} \hline 0.03 \\ \hline \end{array}$$

- 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:

$$\begin{array}{|c|} \hline \text{Fiber reinforced} \\ \text{Surface treatment} \\ \text{Adjustment} \\ \text{(per sq. yd.)} \\ \hline \end{array} = \begin{array}{|c|} \hline \text{New Monthly Average} \\ \text{(per english ton)} \\ \hline \end{array} - \begin{array}{|c|} \hline \text{Base Average} \\ \text{Terminal Price} \\ \hline \end{array} \times \begin{array}{|c|} \hline \text{Total \%} \\ \text{Asphalt Plus} \\ \text{Fuel} \\ \text{Allowance} \\ \hline \end{array} \times \begin{array}{|c|} \hline 0.40 \\ \hline \end{array}$$

- 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:

$$\begin{array}{|c|} \hline \text{Price adjustment} \\ \text{Per Gallon} \\ \hline \end{array} = \begin{array}{|c|} \hline \text{New Monthly Average} \\ \text{(per english ton)} \\ \hline \end{array} - \begin{array}{|c|} \hline \text{Base Average} \\ \text{Terminal Price} \\ \hline \end{array} \times \begin{array}{|c|} \hline \text{Total Allowable} \\ \text{Asphalt \& Fuel} \\ \text{Allowance} \\ \hline \end{array}$$

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	6.40	1	7.40 %
Type 6F Asphalt Top (Recycled)	4.50	1	5.50 %
Type 7F Asphalt Top	7.00	1	8.00 %
Type 7F Asphalt Top (Recycled)	5.10	1	6.10 %
Recycled Foamed Asphalt	2.50	1	3.50%
Flexible Overlay/Smooth Seal	7.00	1	8.00 %
Flexible Top	5.50	1	6.50 %
Base 19 mm F9 Superpave	4.80	1	5.80 %
Binder 12.5 mm F2 Superpave	5.20	1	6.20%
Top 9.5 mm F2 Superpave	6.40	1	7.40%
Shim Course F9 Superpave	8.25	1	9.25%
True & Level F9 Superpave	**	1	*** %
Paver placed surface treatment 'Novachip'	7.00	0	7.00 %
Asphalt Emulsions			
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

** 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.

HIGHWAY MATERIALS GROUP I

ITEM	Price Page	Spec No.
Surface Treat A	1	1
Surface Treat B	1	1
Hand Spray Application	1	2
Fibermat A (SAM)	2	3
Fibermat B (SAMI)	2	3
Paver Placed Surface Treatment (Novachip)	2	4
Motopave	3	1
Crackseal	3	5 & 6
Tack Coat	3	7
Type I Recycling	4	8
Type II Recycling	4	8
Pavement Recycling (CENTRAL PLANT / FOAMED ASPHALT)	5	9A
Pavement Recycling Pugmill Mix Central Plant	5	9
Full Depth Pavement Reclamation	6	10
Hot In Place Asphalt Recycling	6	11
Liquid Calcium Chloride	6	12
Cold Milling of Asphalt Pavement and Mixed Composition	7	13
Motorized Sweeping	7	14
Concrete Gutter Various Options	8	15
Concrete Sidewalks Various Options	8	16
Concrete Curb Various Options	9	17
Stone Curb Various Options	9	18
Reconstruct Drop Inlet	9	19
Tree Service	10	20-22
Hydroseeding	10	23
Tree & Shrub Various Options	11	24

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

GROUP I

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
Paver Rental	3	7
Paver Operator	3	8
Screedman	3	9
Heavy Laborer	3	10
Stone Aggregates (Quarry)	4-5	11
Stone Aggregates (Gravel Pit)	6	11
Concrete For Structures	7	14
Concrete Grouting Material	7	15
Controlled Low Strength Material	7	16
Flowable Fill Pure Waters Blend	7	17
Topsoil	8	18
Fill Dirt Material	8	19
Compost Topsoil	8	20
Select Structural Fill Material	8	21
Sand Material	8	22
Masonry Items	9	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

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

GROUP II

HIGHWAY MATERIALS GROUP II

ITEM	Price Page	Spec No.
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 Blueline Fast Setting Concrete Mix	9	34
Black Beauty	9	
MASTERFLOW ® 648 CP PLUS	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
Centerline Delineators	10	50
Channelizer Cones with Molded Bases	10	51
Set -45 Concrete	11	53

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

GROUP II

HIGHWAY MATERIALS GROUP II

ITEM	Price Page	Spec No.
Penetrating Protective Sealer	11	54
Cono-crete 149 Epoxy Mortor	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
PVC Drain Basins and Components	12	73
Organic Snow and Ice Control products	13	74
Asphalt Price Adjustment Appendix		

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

GROUP II

ITEM LIQUID BITUMINOUS SURFACE TREAT, PAVER PLACED SURFACE TREAT, MOTOPAVE AND TACK COAT

February 2007 Index Price = \$305 / US Ton **BASE PRICE**

ITEM #	OPTION	MATERIAL	UNIT	Western Bituminous	Midland Asphalt	Vestal Asphalt
	SURFACE TREAT A	Surface Treating w/ Rapid Setting Asphalt Emulsion RS-2	GAL.	1.436		
		Surface Treating w/High Float Rapid Setting Asphalt Emulsion HFRS-2	GAL.	1.436		
		Surface Treatingw/Cationic Rapid Setting Asphalt Emulsion CRS-2	GAL.		1.436	
		Surface Treating w/Polymer Modified Rapid Setting Asphalt Emulsion RS-2p	GAL.	1.653		
		Surface Treating w/Polymer Modified High Float Rapid Setting Asphalt Emulsion HFRS-2p	GAL.	1.653		
		Surface Treating w/Polymer Modified Cationic Rapid Setting Asphalt Emulsion CRS-2p	GAL.		1.653	
	SURFACE TREAT B	Surface Treating w/ Rapid Setting Asphalt Emulsion RS-2	GAL.	1.556		
		Surface Treating w/High Float Rapid Setting Asphalt Emulsion HFRS-2	GAL.	1.556		
		Surface Treatingw/Cationic Rapid Setting Asphalt Emulsion CRS-2	GAL.		1.576	
		Surface Treating w/Polymer Modified Rapid Setting Asphalt Emulsion RS-2p	GAL.	1.773		
		Surface Treating w/Polymer Modified High Float Rapid Setting Asphalt Emulsion HFRS-2p	GAL.	1.773		
		Surface Treating w/Polymer Modified Cationic Rapid Setting Asphalt Emulsion CRS-2p	GAL.		1.793	
	Hand Spray Application	Hand Spraying w/ Rapid Setting Asphalt Emulsion RS-2	GAL.	1.786		
		Hand Spraying w/High Float Rapid Setting Asphalt Emulsion HFRS-2	GAL.	1.786		
		Hand Spraying w/Cationic Rapid Setting Asphalt Emulsion CRS-2	GAL.	1.816		
		Hand Spraying w/Polymer Modified Rapid Setting Asphalt Emulsion RS-2p	GAL.	2.003		
		Hand Spraying w/Polymer Modified High Float Rapid Setting Asphalt Emulsion HFRS-2p	GAL.	2.003		
		Hand Spraying w/Polymer Modified Cationic Rapid Setting Asphalt Emulsion CRS-2p	GAL.	2.027		
		Bituminous Distributor with Operator for Hand Spray Chip Seal Patching	Fixed Price / Hour	\$85		

ITEM LIQUID BITUMINOUS SURFACE TREAT, PAVER PLACED SURFACE TREAT. MOTOPAWE AND TACK COAT

February 2007 Index Price = \$305 / US Ton **BASE PRICE**

ITEM #	OPTION	MATERIAL	UNIT	Western Bituminous	Midland Asphalt	Vestal Asphalt
	FIBERMAT A (SAM)	Fiber Reinforced Surface Treat 1-5,000 SY / DAY	SY		2.644	
		Fiber Reinforced Surface Treat 5,001 - 10,000 SY / DAY	SY		1.965	
		Fiber Reinforced Surface Treat 10,001 - 20,000 SY / DAY	SY		1.736	
		Fiber Reinforced Surface Treat > 20,000 SY	SY		1.622	
	FIBERMAT B (SAMI)	Fiber Reinforced Surface Treat 1-5,000 SY / DAY	SY		2.611	
		Fiber Reinforced Surface Treat 5,001 - 10,000 SY / DAY	SY		1.932	
		Fiber Reinforced Surface Treat 10,001 - 20,000 SY / DAY	SY		1.703	
		Fiber Reinforced Surface Treat > 20,000 SY	SY		1.589	
	NOVA CHIP	Paver Placed Surface Treatment Type A 1 - 12,500 SY	SY		3.840	
		Paver Placed Surface Treatment Type A 12,501 - 25,000 SY	SY		3.730	
		Paver Placed Surface Treatment Type A 25,000 &>	SY		3.410	
		Paver Placed Surface Treatment Type B 1 - 12,500 SY	SY		3.890	
		Paver Placed Surface Treatment Type B 12,501 - 25,000 SY	SY		3.780	
		Paver Placed Surface Treatment Type B 25,000 &>	SY		3.470	
		Allowable DEDUCTION per square yard if the contracting agency furnishes and operates the compacting equipment.	SY		0.07	
		Allowable DEDUCTION per square yard if the contracting agency furnished trucking of the Hot Asphalt Mixture to the paver.	SY		0.19	

ITEM LIQUID BITUMINOUS SURFACE TREAT. PAVER PLACED SURFACE TREAT. MOTOPAVE AND TACK COAT

February 2007 Index Price = \$305 / US Ton **BASE PRICE**

ITEM #	OPTION	MATERIAL	UNIT	Western Bituminous	Midland Asphalt	Vestal Asphalt
	MOTOPAVE	Cold Mix/Motopave w/High Float Medium Setting Asphalt Emulsion HFMS-2	GAL.	1.714		
		Cold Mix/Motopave w/High Float Medium Setting Asphalt Emulsion HFMS-2h	GAL.	1.756		
		Cold Mix/Motopave w/High Float Medium Setting Asphalt Emulsion HFMS-2gh	GAL.	1.766		
		Cold Mix/Motopave w/Cationic Medium Setting Asphalt Emulsion CMS-2	GAL.		1.714	
		Cold Mix/Motopave w/Cationic Medium Setting Asphalt Emulsion CMS-2h	GAL.		1.714	
		Cold Mix/Motopave w/Cationic Medium Setting Asphalt Emulsion CSS-1	GAL.		1.597	
		Cold Mix/Motopave w/Cationic Medium Setting Asphalt Emulsion CSS-1h	GAL.		1.597	
	CRACK SEAL	Polymer Modified Asphalt Joint & Crack Sealant (D6690)	GAL.			9.120
		Fiber Reinforced Asphalt Joint & Crack Sealant (PG64-22)	GAL.			8.880
	TACK COAT	Tack Coat Base Material CSS-1h	GAL.		2.090	
		Tack Coat Base Material HFMS-2	GAL.		2.220	
		Rapid Breaking Tack Coat	GAL.		2.350	
		Tack Coat Distributer Equipment Rental	HOUR		\$80	

HIGHWAY MATERIALS GROUP I

February 2007 Index Price = \$305 / US Ton **BASE PRICE**

ITEM COLD IN PLACE RECYCLING OF BITUMINOUS PAVEMENTS (TYPE I AND II)

TYPE I Recycling

ITEM #	QUANTITY	UNIT	UNIT PRICE	VENDOR
	Under 5,000 SY @ 3 inches	SY	2.43	Midland Asphalt
	Under 5,000 SY @ 4 inches	SY	2.53	Midland Asphalt
	Over 5,000 SY @ 3 inches	SY	2.22	Midland Asphalt
	Over 5,000 SY @ 4 inches	SY	2.27	Midland Asphalt
	Cold In Place Emulsion HFMS-2	GAL	1.432	Midland Asphalt
	Cold In Place Emulsion HFMS-2p	GAL	1.642	Midland Asphalt
	rejuvenator	GAL	No Bid	
	Cold In Place Emulsion CMS-2	GAL	1.432	Midland Asphalt
	Cold In Place Emulsion CMS-2h	GAL	1.432	Midland Asphalt

TYPE II Recycling

ITEM #	QUANTITY	UNIT	UNIT PRICE	VENDOR	UNIT PRICE	VENDOR
	Under 5,000 SY @ 3 inches	SY	2.20	Western Bituminous	2.25	Midland Asphalt
	Under 5,000 SY @ 4 inches	SY	2.35	Western Bituminous	2.35	Midland Asphalt
	Over 5,000 SY @ 3 inches	SY	1.80	Western Bituminous	1.80	Midland Asphalt
	Over 5,000 SY @ 4 inches	SY	1.85	Western Bituminous	1.85	Midland Asphalt
	Cold In Place Emulsion HFMS-2	GAL	1.425	Western Bituminous		
	Cold In Place Emulsion HFMS-2p	GAL	1.615	Western Bituminous		
	rejuvenator	GAL	1.600	Western Bituminous		
	Cold In Place Emulsion CMS-2	GAL			1.432	Midland Asphalt
	Cold In Place Emulsion CMS-2h	GAL			1.432	Midland Asphalt

HIGHWAY MATERIALS GROUP I

February 2007 Index Price = \$305 / US Ton **BASE PRICE**

ITEM PAVEMENT RECYCLING PUGMILL MIX w/FOAMED ASPHALT

ITEM #	QUANTITY	UNIT	UNIT PRICE	VENDOR
	Under 5,000 SY @ 3 inches	SY	1.00	DiFiore Construction
	Under 5,000 SY @ 4 inches	SY	1.10	DiFiore Construction
	Over 5,000 SY @ 3 inches	SY	0.70	DiFiore Construction
	Over 5,000 SY @ 4 inches	SY	0.75	DiFiore Construction
	Foamed Asphalt Asphalt Plant	TON	29.50	DiFiore Construction
	Plant Mobilization	LS	\$5,000	DiFiore Construction
	Cold Mix Bituminous Paver	DAY	\$2,200	DiFiore Construction

ITEM PAVEMENT RECYCLING PUGMILL MIX / CENTRAL PLANT

ITEM #	QUANTITY	UNIT	UNIT PRICE	VENDOR
	Under 5,000 SY @ 3 inches	SY	1.00	Western Bituminous
	Under 5,000 SY @ 4 inches	SY	1.10	Western Bituminous
	Over 5,000 SY @ 3 inches	SY	0.65	Western Bituminous
	Over 5,000 SY @ 4 inches	SY	0.70	Western Bituminous
	Pavement Recycling with HFRA	GAL.	1.626	Western Bituminous
	Cold Mix Bituminous Paver	DAY	2,100.00	Western Bituminous

HIGHWAY MATERIALS GROUP I

February 2007 Index Price = \$305 / US Ton **BASE PRICE**

ITEM PAVEMENT RECLAMATION FULL DEPTH

ITEM #	QUANTITY	UNIT	UNIT PRICE	VENDOR
	Under 5,000 SY	SY	0.739	Midland Asphalt
	Over 5,000 SY	SY	0.689	Midland Asphalt
	Stabilizing Additive Calcium Chloride	GAL	0.900	Midland Asphalt
	Stabilizing Additive Asphalt Emulsion HFMS-2	GAL	1.432	Midland Asphalt

ITEM HOT IN PLACE ASPHALT RECYCLING

ITEM #	QUANTITY	UNIT	UNIT PRICE	VENDOR
	Under 5,000 SY @ 3/4 to 2 inch depth	SY	3.89	Highway Rehab Corp.
	Over 5,000 SY @ 3/4 to 2 inch depth	SY	2.98	Highway Rehab Corp.

ITEM LIQUID CALCIUM CHLORIDE

ITEM #	QUANTITY	UNIT	UNIT PRICE	VENDOR
	Liquid Calcium Chloride (Gravel Road Stabilization)	Gal.	0.81	I.M.U.S.
	Liquid Calcium Chloride (Snow & Ice Control)	Gal.	0.81	I.M.U.S.

ITEM GOLD MILLING OF ASPHALT PAVEMENT AND MIXED COMPOSITION

		PRICE PER SQUARE YARD									
		Asphalt Milling					Mixed Composition Milling				
ITEM #	QUANTITY	Option A	Option B	Option C	Option D	Option E	Option F	Option G	Option H	Option I	Option J
	Mobilization Fee for Projects Under 2000 SY	\$400	\$400	\$400	\$400	\$400	\$400	\$400	\$400	\$400	\$400
	1 to 1,000 SY Under 2 in. depth	0.88	1.50	1.60	1.64	1.64	0.97	1.65	2.05	2.20	2.10
	1 to 1,000 SY Under 2 to 3 in. depth	0.92	1.54	1.62	1.66	1.66	1.01	1.69	2.10	2.25	2.15
	1 to 1,000 SY Additional Charge for each additional 1 in. depth over 3 in.	0.04	0.04	0.02	0.02	0.02	0.04	0.04	0.05	0.05	0.05
	1,001 to 5,000 SY Under 2 in. depth	0.66	1.31	1.50	1.54	1.54	0.75	1.46	1.95	2.10	2.00
	1,001 to 5,000 SY 2 to 3 in. depth	0.70	1.35	1.52	1.56	1.56	0.79	1.50	2.00	2.15	2.05
	1,001 to 5,000 SY Additional Charge for each additional 1 in. depth over 3 in.	0.04	0.04	0.02	0.02	0.02	0.04	0.04	0.05	0.05	0.05
	5,001 to 10,000 SY Under 2 in. depth	0.57	1.24	1.46	1.50	1.50	0.66	1.39	1.85	2.00	1.90
	5,001 to 10,000 SY 2 to 3 in. depth	0.62	1.28	1.48	1.52	1.52	0.70	1.43	1.90	2.05	1.95
	5,001 to 10,000 SY Additional Charge for each additional 1 in. depth over 3 in.	0.04	0.04	0.02	0.02	0.02	0.04	0.04	0.05	0.05	0.05
	Over 10,001 SY Under 2 in. depth	0.44	1.13	1.40	1.44	1.44	0.53	1.31	1.75	1.90	1.80
	Over 10,001 SY 2 to 3 in. depth	0.48	1.16	1.42	1.46	1.46	0.57	1.35	1.80	1.95	1.85
	Over 10,001 SY Additional Charge for each additional 1 in. depth over 3 in.	0.04	0.04	0.02	0.02	0.02	0.04	0.04	0.05	0.05	0.05
	VENDOR	DiFiore Const.	DiFiore Const.	DiFiore Const.	DiFiore Const.	DiFiore Const.	DiFiore Const.	DiFiore Const.	DiFiore Const.	DiFiore Const.	DiFiore Const.

ITEM MOTORIZED SWEEPING

ITEM #	DESCRIPTION	UNIT	UNIT PRICE	VENDOR
	Motorized Sweeping	1000 LF	37.00	Spezio Property Services Inc.

ITEM CONCRETE GUTTER VARIOUS OPTIONS

ITEM #	QUANTITY	UNIT	PRICE PER SQUARE YARD			
			Option A	Option B	Option C	Option D
	0 to 50	SY	81.81	81.81	74.32	63.00
	51 to 250	SY	72.72	72.72	65.03	52.50
	Over 251	SY	63.63	63.63	55.74	42.00
	Reconstruct Drop Inlet (w/ gutter replacement) 0 - 1	LF	204.53	204.53	209.03	236.25
	Reconstruct Drop Inlet (w/ gutter replacement) > 1	LF	249.98	249.98	225.48	288.75
VENDOR			Campobello Const.	Campobello Const.	Campobello Const.	Hynes Concrete

ITEM CONCRETE SIDEWALKS VARIOUS OPTIONS

ITEM #	QUANTITY	UNIT	PRICE PER SQUARE YARD			
			Option A	Option B	Option C	Option D
	Concrete Sidewalk Replacement	SY	47.76	46.76	43.00	37.76
	Detectable Warnings	fixed price	300.00	300.00	300.00	300.00
	Additional price for Steel Reinforcement	fixed price / SY	4.00	4.00	4.00	4.00
VENDOR			Campobello Const.	Campobello Const.	Campobello Const.	Campobello Const.

ITEM CONCRETE CURB VARIOUS OPTIONS

ITEM #	QUANTITY	UNIT	PRICE PER FOOT	
			Option A	Option B
	0 - 100	LF	36.00	28.88
	100 - 500	LF	31.00	24.06
	Over 500	LF	26.00	19.25
VENDOR			Hynes Concrete	Sunshine Concrete

ITEM STONE CURB VARIOUS OPTIONS

ITEM #	QUANTITY	UNIT	PRICE PER LF				
			Option A	Option B	Option C	Option D	Option E
	0 - 100	LF	53.99	42.00	52.98	33.00	30.00
	Over 500	LF	49.49	33.60	48.58	24.75	20.00
VENDOR			Espana Enterprise				

ITEM RECONSTRUCT DROP INLET

ITEM #	QUANTITY	UNIT	UNIT PRICE
	0 - 1	LF	550.00
	0 - 2	LF	495.00
	0 - 3	LF	440.00
	0 - 4	LF	385.00
	> 0 - 4	LF	330.00
VENDOR			Sunshine Concrete

HIGHWAY MATERIALS GROUP I

ITEM TREE SERVICE

ITEM #	PROCESS	SIZE (inch)	UNIT PRICE
	Tree Removal	14 and <	91.80
		15 -24	229.50
		25 - 36	306.00
		37 - 48	433.50
		49 and >	459.00
	Stump	Any Size	178.50
	Tree Trimming	Any Size	102.00
	Emergency Surcharge		204.00
	VENDOR		Terry Tree Service LLC

ITEM HYDROSEEDING

ITEM #		UNIT	0 - 10,000	10,001 -30,000	> 30,000
	Hydroseed and Mulch (non grass areas)	SF	No Bid	0.06	0.05
	Reclamation Mix	SF	No Bid	0.06	0.05
	Revitalization Mix	SF	No Bid	0.06	0.05
	Water Furnish and applied to the hydroseeded area	GAL.	No Bid	0.10	0.10
	VENDOR		XXXXXXXXXX	RM Landscape Inc.	RM Landscape Inc.

HIGHWAY MATERIALS GROUP I

ITEM TREE & SHRUB VARIOUS OPTIONS

ITEM #	QUANTITY	UNIT	Option A	Option B	Option C
			Furnish & Deliver	Furnish & Plant	Furnish, Plant & Guarantee
	Norway Maple	EACH	171.00	No Bid	No Bid
	Red Maple	EACH	185.00	No Bid	No Bid
	Northern Red Oak	EACH	199.00	No Bid	No Bid
	Pin Oak	EACH	190.00	No Bid	No Bid
	Thornless Cockspur Hawthorne	EACH	189.00	No Bid	No Bid
	Washington Hawthorne	EACH	189.00	No Bid	No Bid
	Colorado Blue Spruce	EACH	104.00	No Bid	No Bid
	Austrian Pine	EACH	104.00	No Bid	No Bid
	Dense Spreading Yew	EACH	26.25	No Bid	No Bid
	Dark American Arborvitae	EACH	57.00	No Bid	No Bid
VENDOR			Northern Nurseries of NY		

ITEM ASPHALT CONCRETE ASPHALT COURSES

February 2007 Index Price = \$305 / US Ton **BASE PRICE**

ITEM #	MATERIAL	Unit	Barre Stone - Albion	Hanson Aggregates HF	Hanson - McKee Rd	Hanson Aggregates Sctsv. 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	Keeler Construction	Midland Asphalt	I.M.U.S. Inc.
	Type 1 Base Course	1-750 Ton/Day	36.00	36.50	39.00	39.00	36.50	36.00	36.00	36.00	36.00	36.00	36.00	No Bid	No Bid	No Bid
	Type 1 Base Course	> 750 Ton/Day	36.00	36.00	38.50	38.50	36.00	36.00	36.00	36.00	36.00	36.00	36.00	No Bid	No Bid	No Bid
	Type 3 Binder Course	1-750 Ton/Day	37.00	38.95	40.45	40.45	38.95	38.00	38.00	38.00	38.00	38.00	38.00	No Bid	No Bid	No Bid
	Type 3 Binder Course	> 750 Ton/Day	37.00	38.45	39.95	39.95	38.45	38.00	38.00	38.00	38.00	38.00	38.00	No Bid	No Bid	No Bid
	Type 3 Binder Course (Recycled)	1-750 Ton/Day	No Bid	37.45	No Bid	No Bid	No Bid	38.00	38.00	38.00	38.00	No Bid	38.00	No Bid	No Bid	No Bid
	Type 3 Binder Course (Recycled)	> 750 Ton/Day	No Bid	37.45	No Bid	No Bid	No Bid	38.00	38.00	38.00	38.00	No Bid	38.00	No Bid	No Bid	No Bid
	Type MC1 Binder Course	1-750 Ton/Day	No Bid	38.95	4.45	40.45	38.95	38.00	38.00	38.00	38.00	38.00	38.00	No Bid	No Bid	No Bid
	Type MC1 Binder Course	> 750 Ton/Day	No Bid	38.45	39.95	39.95	38.45	38.00	38.00	38.00	38.00	38.00	38.00	No Bid	No Bid	No Bid
	Type 5 Shim Course	Ton	49.00	47.00	50.00	50.00	47.00	46.00	46.00	46.00	46.00	46.00	46.00	No Bid	No Bid	No Bid
	Type 6F Top Course	1-750 Ton/Day	40.00	41.00	44.00	44.00	41.00	41.00	41.00	41.00	41.00	41.00	41.00	No Bid	No Bid	No Bid
	Type 6F Top Course	> 750 Ton/Day	40.00	40.50	43.50	43.50	40.50	41.00	41.00	41.00	41.00	41.00	41.00	No Bid	No Bid	No Bid
	Type 6F Top Course (Recycled)	1-750 Ton/Day	No Bid	39.95	No Bid	No Bid	No Bid	41.00	41.00	41.00	41.00	No Bid	41.00	No Bid	No Bid	No Bid
	Type 6F Top Course (Recycled)	> 750 Ton/Day	No Bid	39.95	No Bid	No Bid	No Bid	41.00	41.00	41.00	41.00	No Bid	41.00	No Bid	No Bid	No Bid
	Type 7F Top Course	1-750 Ton/Day	42.00	42.50	45.50	45.50	42.50	42.00	42.00	42.00	42.00	42.00	42.00	No Bid	No Bid	No Bid
	Type 7F Top Course	> 750 Ton/Day	42.00	42.00	45.00	45.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	No Bid	No Bid	No Bid
	Type 7F Top Course (Recycled)	1-750 Ton/Day	No Bid	41.50	No Bid	No Bid	No Bid	42.00	42.00	42.00	42.00	No Bid	42.00	No Bid	No Bid	No Bid
	Type 7F Top Course (Recycled)	> 750 Ton/Day	No Bid	41.50	No Bid	No Bid	No Bid	42.00	42.00	42.00	42.00	No Bid	42.00	No Bid	No Bid	No Bid
	Flexible Overlay (Smooth Seal)	1-750 Ton/Day	No Bid	42.50	45.50	45.50	42.50	42.00	42.00	42.00	42.00	42.00	42.00	No Bid	No Bid	No Bid
	Flexible Overlay (Smooth Seal)	> 750 Ton/Day	No Bid	42.00	45.00	45.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	No Bid	No Bid	No Bid
	Flexible Top	1-750 Ton/Day	43.00	41.00	44.00	44.00	41.00	40.00	40.00	40.00	40.00	40.00	40.00	No Bid	No Bid	No Bid
	Flexible Top	> 750 Ton/Day	43.00	40.50	43.50	43.50	40.50	40.00	40.00	40.00	40.00	40.00	40.00	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

February 2007 Index Price = \$305 / US Ton **BASE PRICE**

ITEM #	MATERIAL	Unit	Barre Stone - Albion	Hanson Aggregates HF	Hanson - McKee Rd	Hanson Aggregates Sctsv. 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	Keeler Construction	Midland Asphalt	I.M.U.S. Inc.
**	True & Leveling F9, Superpave HMA, (< 0.3 M ESAL's)	TON	40.00	41.00	No Bid	44.00	41.00	42.00	42.00	42.00	42.00	42.00	42.00	No Bid	No Bid	No Bid
**	True & Leveling F9, Superpave HMA, (< 3 M ESAL's)	TON	40.00	40.50	No Bid	43.50	40.50	42.00	42.00	42.00	42.00	42.00	42.00	No Bid	No Bid	No Bid
	Shim Course F9, Superpave HMA, (< 0.3 M ESAL's)	TON	49.00	47.00	No Bid	50.00	47.00	46.00	46.00	46.00	46.00	46.00	46.00	No Bid	No Bid	No Bid
	Shim Course F9, Superpave HMA, (< 3 M ESAL's)	TON	49.00	47.00	No Bid	50.00	47.00	46.00	46.00	46.00	46.00	46.00	46.00	No Bid	No Bid	No Bid
	Top Course 9.5 mm F2 Superpave HMA, (< 0.3 M ESAL's)	1-750 Ton/Day	42.00	42.50	No Bid	45.50	42.50	42.00	42.00	42.00	42.00	42.00	42.00	No Bid	No Bid	No Bid
	Top Course 9.5 mm F2 Superpave HMA, (< 0.3 M ESAL's)	> 750 Ton/Day	42.00	42.00	No Bid	45.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	No Bid	No Bid	No Bid
	Top Course 9.5 mm F2 Superpave HMA, (< 3 M ESAL's)	1-750 Ton/Day	42.00	42.50	No Bid	45.50	42.50	42.00	42.00	42.00	42.00	42.00	42.00	No Bid	No Bid	No Bid
	Top Course 9.5 mm F2 Superpave HMA, (< 3 M ESAL's)	> 750 Ton/Day	42.00	42.00	No Bid	45.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	No Bid	No Bid	No Bid
	Binder Course 12.5 mm F2 Superpave HMA, (< 0.3 M ESAL's)	1-750 Ton/Day	40.00	41.00	No Bid	44.00	41.00	41.00	41.00	41.00	41.00	41.00	41.00	No Bid	No Bid	No Bid
	Binder Course 12.5 mm F2 Superpave HMA, (< 0.3 M ESAL's)	> 750 Ton/Day	40.00	40.50	No Bid	43.50	40.50	41.00	41.00	41.00	41.00	41.00	41.00	No Bid	No Bid	No Bid
	Binder Course 12.5 mm F2 Superpave HMA, (< 0.3 M ESAL's)	1-750 Ton/Day	40.00	41.00	No Bid	44.00	41.00	41.00	41.00	41.00	41.00	41.00	41.00	No Bid	No Bid	No Bid
	Binder Course 12.5 mm F2 Superpave HMA, (< 0.3 M ESAL's)	> 750 Ton/Day	40.00	40.50	No Bid	43.50	40.50	41.00	41.00	41.00	41.00	41.00	41.00	No Bid	No Bid	No Bid
	Base Course 19 mm F9 Superpave HMA, (< 0.3 M ESAL's)	1-750 Ton/Day	37.00	38.95	No Bid	40.45	38.95	38.00	38.00	38.00	38.00	38.00	38.00	No Bid	No Bid	No Bid
	Base Course 19 mm F9 Superpave HMA, (< 0.3 M ESAL's)	> 750 Ton/Day	37.00	38.45	No Bid	39.95	38.45	38.00	38.00	38.00	38.00	38.00	38.00	No Bid	No Bid	No Bid
	Base Course 19 mm F9 Superpave HMA, (< 3 M ESAL's)	1-750 Ton/Day	37.00	38.95	No Bid	40.45	38.95	38.00	38.00	38.00	38.00	38.00	38.00	No Bid	No Bid	No Bid
	Base Course 19 mm F9 Superpave HMA, (< 3 M ESAL's)	> 750 Ton/Day	37.00	38.45	No Bid	39.95	38.45	38.00	38.00	38.00	38.00	38.00	38.00	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

February 2007 Index Price = \$305 / US Ton **BASE PRICE**

ITEM #	MATERIAL	Unit	Barre Stone - Albion	Hanson Aggregates - HF	Hanson - McKee Rd	Hanson Aggregates - Sctsv. 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	Keeler Construction	Midland Asphalt	I.M.U.S. Inc.
	Plant Mixed Stockpile Patching Material	Ton	55.00	48.00	48.00	48.00	48.00	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Modified Stockpile Patching Materials	Ton	85.00	78.00	78.00	78.00	78.00	94.00	94.00	94.00	94.00	No Bid	94.00	No Bid	No Bid	81.95
	ReCrushed Asphalt Millings	Ton	7.50	6.50	No Bid	No Bid	6.50	6.00	6.00	6.00	6.00	No Bid	6.00	No Bid	No Bid	No Bid
	Asphalt Millings Credit	Ton	No Bid	1.00	No Bid	No Bid	1.00	1.00	1.00	1.00	1.00	No Bid	1.00	No Bid	No Bid	No Bid
	Delivery Cost 1st Mile (To be applied to Asphalt Items)	Ton	No Bid	2.75	2.75	2.75	2.75	3.00	3.00	3.00	3.00	3.00	3.00	3.25	No Bid	No Bid
	Delivery Cost additional Miles (To be applied to Asphalt Items)	Ton	No Bid	0.35	0.35	0.35	0.35	0.50	0.50	0.50	0.50	0.50	0.50	0.25	No Bid	No Bid
	Bituminous Material (Liquid) Tack Coat	5 gallon	35.00	35.00	35.00	35.00	35.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00	17.00	No Bid
	Paver Rental	Full Day	No Bid	1650	1650	1650	1650	1500	1500	1500	1500	1500	1500	1500	No Bid	No Bid
	Paver Rental	Half Day	No Bid	1000	1000	1000	1000	1200	1200	1200	1200	1200	1200	750	No Bid	No Bid
	Paver Operator Straight Time	Hour	No Bid	60	60	60	60	70	70	70	70	70	70	75	No Bid	No Bid
	Paver Operator Over Time	Hour	No Bid	75	75	75	75	105	105	105	105	105	105	95	No Bid	No Bid
	Screedman Straight Time	Hour	No Bid	60	60	60	60	70	70	70	70	70	70	65	No Bid	No Bid
	Screedman Overtime	Hour	No Bid	75	75	75	75	105	105	105	105	105	105	85	No Bid	No Bid
	Heavy Laborer Straight Time	Hour	No Bid	60	60	60	60	70	70	70	70	70	70	65	No Bid	No Bid
	Heavy Laborer Overtime	Hour	No Bid	75	75	75	75	105	105	105	105	105	105	85	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)

ITEM #	MATERIAL	UNIT	Barre Stone - Albion	Dolomite - Gates	Dolomite - LeRoy	Dolomite - Ogden	Dolomite - Penfield	Dolomite - Walworth	Hanson Aggregates - Clarendon	Hanson Aggregates - HF	Hanson Aggregates - McKee Rd	Hanson Aggregates - Sctsv. Rd	Hanson Aggregates - Stafford	Iroquois Rock Brockport
	5/8" Crushed Stone	Ton	9.00	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	8.50	11.00	11.00	8.50	No Bid
	5/8" Crusher Run	Ton	6.75	12.25	6.50	No Bid	7.75	7.00	No Bid	8.50	11.00	11.00	8.50	7.00
	#1 Crushed Stone	Ton	9.00	13.00	7.75	9.00	9.00	8.25	8.50	8.50	No Bid	No Bid	8.50	8.50
	#1 Crusher Run	Ton	6.55	8.25	6.00	7.00	7.25	6.50	6.45	6.45	11.00	11.00	6.45	6.50
	#2 Crushed Stone	Ton	8.00	13.00	7.75	No Bid	9.00	8.25	8.50	8.50	No Bid	No Bid	8.50	8.50
	#2 Crusher Run	Ton	6.30	7.75	5.50	6.50	6.75	6.00	6.45	6.45	11.00	11.00	6.45	6.00
	Crushed Stone Screenings	Ton	8.00	No Bid	8.25	No Bid	9.00	8.25	8.50	8.50	No Bid	No Bid	8.50	8.50
	#1 Washed Crushed Stone	Ton	9.00	No Bid	8.50	No Bid	9.50	8.75	8.50	8.50	No Bid	No Bid	8.50	9.00
	#1A Stone	Ton	10.95	No Bid	8.25	No Bid	9.00	8.25	10.00	10.00	No Bid	No Bid	10.00	8.50
	3/8" Washed Stone	Ton	10.00	No Bid	9.00	No Bid	No Bid	8.75	No Bid	8.50	No Bid	No Bid	8.50	No Bid
	#1A Washed Stone	Ton	10.95	No Bid	9.25	No Bid	9.75	9.00	10.00	10.00	No Bid	No Bid	10.00	9.75
	#1B Stone	Ton	9.00	No Bid	8.25	No Bid	9.00	8.25	10.00	10.00	No Bid	No Bid	10.00	8.50
	#1B Washed Stone	Ton	9.00	No Bid	8.75	No Bid	9.50	8.75	10.00	10.00	No Bid	No Bid	10.00	9.00
	#1 ST Washed Stone	Ton	No Bid	No Bid	8.50	No Bid	No Bid	No Bid	No Bid	8.50	No Bid	No Bid	8.50	No Bid
	#2 Stone	Ton	8.00	13.00	7.75	No Bid	9.00	8.25	8.50	8.50	No Bid	No Bid	8.50	8.50
	#2 Washed Stone	Ton	8.00	No Bid	8.25	No Bid	9.50	8.75	8.50	8.50	No Bid	No Bid	8.50	9.00
	#3 Stone	Ton	8.50	13.00	7.75	No Bid	9.00	8.25	No Bid	8.50	No Bid	No Bid	No Bid	8.50
	#4 Stone	Ton	9.00	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid

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

HIGHWAY MATERIALS GROUP II

ITEM STONE AGGREGATE (QUARRY)

ITEM #	MATERIAL	UNIT	Barre Stone - Albion	Dolomite - Gates	Dolomite - LeRoy	Dolomite - Ogden	Dolomite - Penfield	Dolomite - Walworth	Hanson Aggregates - Clarendon	Hanson Aggregates - HF	Hanson Aggregates - McKee Rd	Hanson Aggregates - Sctsv. Rd	Hanson Aggregates - Stafford	Iroquois Rock Brockport
	#4A Stone	Ton	9.00	No Bid	No Bid	No Bid	9.00	8.25	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	#5 Stone	Ton	9.00	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	7.00	5.75	No Bid	No Bid	5.75	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Stone Filling (Fine)	Ton	9.00	No Bid	No Bid	No Bid	9.00	8.25	8.75	8.75	No Bid	No Bid	8.75	No Bid
	Stone Filling (Light)	Ton	9.00	No Bid	9.75	No Bid	11.00	10.25	8.75	8.75	No Bid	No Bid	8.75	10.25
	Stone Filling (Medium)	Ton	11.00	No Bid	11.75	12.00	12.50	12.00	11.25	11.25	No Bid	No Bid	11.25	12.00
	Stone Filling (Heavy)	Ton	12.50	No Bid	13.75	14.00	14.50	14.00	12.00	12.00	No Bid	No Bid	12.00	14.00
	Rip Rap	Ton	12.50	No Bid	13.75	14.00	14.50	14.00	12.00	12.00	No Bid	No Bid	12.00	14.00
	Plant Mixing of Aggregates	Ton	0.50	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	* 3.25	3.00	3.00	3.00	3.00	3.00	2.75	2.75	No Bid	No Bid	2.75	3.00
	Delivery Cost additional Miles (to be applied to the aggregate bid items)	Ton	* 0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	No Bid	No Bid	0.25	0.25

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

HIGHWAY MATERIALS GROUP II

ITEM STONE AGGREGATE (GRAVEL PIT)

ITEM #	MATERIAL	UNIT	CP Ward	Dolomite - Avon	Dolomite - Mendon	Valley Sand & Gravel Scottsville	Eagle Harbor Sand & Gravel Albion	Hamlin Sand & Gravel
	5/8" Crushed Stone	TON	No Bid	No Bid	No Bid	No Bid	8.75	No Bid
	#1 Crushed Stone	TON	7.25	7.25	7.75	7.25	8.75	No Bid
	#1 Crusher Run	TON	No Bid	5.50	5.50	No Bid	7.00	No Bid
	#2 Crushed Stone	TON	7.25	7.25	7.75	7.25	8.75	No Bid
	#2 Crusher Run	TON	No Bid	5.00	5.00	No Bid	6.65	No Bid
	Crushed Stone Screenings	TON	No Bid	No Bid	No Bid	No Bid	8.50	No Bid
	#1 Washed Crushed Stone	TON	No Bid	7.25	7.75	7.25	9.00	No Bid
	#1A Stone	TON	No Bid	7.25	7.75	No Bid	9.25	No Bid
	3/8" Washed Stone	TON	No Bid	No Bid	7.75	5.65	8.00	No Bid
	#1A Washed Stone	TON	No Bid	7.25	7.75	7.25	9.25	No Bid
	#1B Stone	TON	No Bid	No Bid	No Bid	No Bid	7.10	No Bid
	#1B Washed Stone	TON	No Bid	No Bid	No Bid	No Bid	7.10	No Bid
	#1 ST Washed Stone	TON	No Bid	No Bid	7.75	No Bid	9.25	No Bid
	#2 Stone	TON	No Bid	7.25	7.75	No Bid	8.50	No Bid
	#2 Washed Stone	TON	No Bid	7.25	7.75	7.25	8.50	No Bid
	Screened Gravel	TON	No Bid	5.00	5.00	4.25	6.50	6.50 /CY
	Recycled Concrete	TON	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Stone Filling (Fine)	TON	No Bid	No Bid	No Bid	No Bid	7.50	No Bid
	Stone Filling (Light)	TON	No Bid	No Bid	No Bid	No Bid	9.50	No Bid
	Stone Filling (Medium)	TON	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Stone Filling (Heavy)	TON	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Plant Mixing of Aggregates	TON	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Delivery Cost 1st Mile (to be added to the per UNIT cost)	TON	3.00	3.00	3.00	No Bid	2.95	No Bid
	Delivery Cost additional Miles (to be added to the per UNIT cost)	TON	1.50	0.25	0.25	No Bid	0.15	No Bid

* 18 Ton Minimum Load

HIGHWAY MATERIALS GROUP II

ITEM CONCRETE MIXES DELIVERED

ITEM #	MATERIAL	UNIT	UNIT PRICE	VENDOR
	Concrete for Structures Class A	CY	90.00	Manitou Concrete
	Extra For "High Early"	CY	4.00	Manitou Concrete
	DCI	Gal.	7.25	Manitou Concrete
	Concrete for Structures Class D	CY	92.00	Manitou Concrete
	Extra For "High Early"	CY	4.00	Manitou Concrete
	DCI	Gal.	7.00	Manitou Concrete
	Concrete Grouting Material	CY	106.00	Manitou Concrete
	Controlled Low Strength Material	CY	48.00	Manitou Concrete
	Flowable Fill (Pure Waters Blend)	CY	50.00	Manitou Concrete
ADDITIONAL ITEMS TO BE ADDED TO THE ABOVE BID PRICES				
	Extra For Heat	CY	7.00	Manitou Concrete
	Extra For Small Load	Load	75.00	Manitou Concrete
	Extra For Retarder	CY	3.00	Manitou Concrete
	Waiting Time (In excess of 1 hour)	Min.	1.00	Manitou Concrete

HIGHWAY MATERIALS GROUP II

ITEM TOP SOIL, FILL DIRT, SELECT FILL AND VARIOUS SANDS

ITEM #	MATERIAL	UNIT	CP Ward	American Green Landscape	Dolomite - Avon	Dolomite - Mendon	Dolomite - Ogden	Elam Sand & Gravel - Ionia	Full Cycle - Various	Hamlin Sand & Gravel - Hamlin	Hanson Aggregates - Victor	Monroe Roadways - Various	Morrison Excavating - Various	R.M. Landscape	Eagle Harbor Sang & Gravel Albion	Valley Sand & Gravel - Scottsville	L.L. Huff
	Topsoil	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	10.00	No Bid	10.00
	Topsoil	CY	No Bid	13.00	No Bid	No Bid	No Bid	*18.5	11.50	No Bid	No Bid	12.00	+ 20.00 13.00	13.00	No Bid	No Bid	12.00
	Fill Dirt Material	Ton	4.40	No Bid	No Bid	3.00	3.00	2.60	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	4.00	3.50	3.90
	Fill Dirt Material	CY	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	6.25	3.50	No Bid	No Bid	5.50	No Bid	No Bid	No Bid	5.50
	Compost Topsoil	CY	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	39.00	26.00	No Bid	No Bid	No Bid
	Select Structural Fill	Ton	No Bid	No Bid	5.00	5.00	No Bid	3.95	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	3.50	No Bid
	Select Structural Fill	CY	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	5.50	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Mortar Sand	Ton	No Bid	No Bid	No Bid	9.00	No Bid	9.00	No Bid	No Bid	12.00	No Bid	No Bid	No Bid	9.85	No Bid	14.00
	Grout Sand	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	14.00
	Concrete Sand	Ton	8.40	No Bid	8.00	8.00	No Bid	7.25	No Bid	No Bid	8.50	No Bid	No Bid	No Bid	8.00	8.40	9.50
	Material Hauling (Aggregate Items) 0 to 1 Mile	Ton	3.00	No Bid	3.00	3.00	3.00	4.60	No Bid	No Bid	2.75	No Bid	** 4.60	No Bid	2.95	No Bid	No Bid
	Material Hauling (Aggregate Items) >1 Mile	Ton	4.50	No Bid	0.25	0.25	0.25	0.00	No Bid	No Bid	0.25	No Bid	0.30	No Bid	0.15	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	*** 5.00	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	2.00	No Bid	No Bid	No Bid	No Bid

* Delivered Only
 ** 20 Ton Minimum Load
 *** 15 CY Minimum Load
 + Dry Premium (Stored Inside)

HIGHWAY MATERIALS GROUP II

ITEM VARIOUS CONSTRUCTION ITEMS

ITEM #	MATERIAL	UNIT	UNIT PRICE	VENDOR
	Common Sewer Brick	Ea.	0.325	Miller Brick Co.
	Patio Pavers	Ea.	0.325	Miller Brick Co.
	Highway Common Brick FULL HEIGHT	Ea.	0.325	Miller Brick Co.
	Highway Common Brick HALF HEIGHT	Ea.	0.325	Miller Brick Co.
	Surface Applied Detectable Warning Materials	SF	23.90	Volvo Rents
	Embedded Preformed Detectable Warning Materials	SF	23.90	Volvo Rents
	Detectable Warning Paver Brick	SF	4.82	Weckesser Brick Co
<u>GRASS SEED & TURF ICE MELTER</u>				
	Grass Seed General Mix (Highway Blend)	50 # Bag	56.50	Northern Nurseries
	Grass Seed Premium Mix (Pure Waters Blend)	50 # Bag	61.50	Northern Nurseries
	Grass Seed Quick Grow / Triple Perennial Ryegrass Mix (Mill Seat Blend)	50 # Bag	56.50	Northern Nurseries
	Grass Seed Annual Ryegrass	50 # Bag	26.50	Northern Nurseries
	Turfline Ice Melter	Pallet	411.60	Progressive Lawn Research Inc. High Point Mills
	Turfline Ice Melter	50 # Bag	10.75	Progressive Lawn Research Inc. High Point Mills
<u>MORTOR / CONCRETE MIXES / BLACK BEAUTY</u>				
	Mortar Mix	80 # Bag	4.31	Allied Building Products
	Concrete Mix	80 # Bag	3.67	Allied Building Products
	Portland Cement	94 # Bag	8.59	Allied Building Products
	Type S Pre Blended Mortar Mix (ASTM C270)	80 # Bag	4.80	Volvo Rents
	Super 5000 Concrete Mix	80 # Bag	4.97	Volvo Rents
	Speedcrete RED LINE	50 # Bag	15.50	Volvo Rents
	Speedcrete GREEN LINE	50 # Bag	15.35	Volvo Rents
	Speedcrete BLUE LINE	50 # Bag	15.50	Volvo Rents
	MASTERFLOW @ 648 CP Plus (PolyGrout Tamms Ind.)	Kit	125.00	Volvo Rents
	MASTERFLOW @ 713 CP Plus (NC Grout Tamms Ind.)	55 # Bag	8.75	Volvo Rents
	Black Beauty	100 # Bag	8.75	Allied Building Products

HIGHWAY MATERIALS GROUP II

ITEM VARIOUS CONSTRUCTION ITEMS

ITEM #	MATERIAL	UNIT	UNIT PRICE	VENDOR
BRIDGE MAINTENANCE ITEMS				
	Set 45 Concrete (Speedcrete 2028)	50 # Bag	19.90	Allied Building Products
	Penetrating Protective Sealer (Barricade 100)	Gal.	24.00	Volvo Rents
	Cono/Crete 149 Epoxy Mortor Doral Flex Patch	40 # cntr	60.00	Volvo Rents
	Thorite Fast Setting High Strength Patching Material	50 # Bag	No Bid	
	Catalytic Bonding Asphalt	5 Gal.	No Bid	
	Duraweld -C Armetec (Hornweld)	5 Gal.	103.98	Volvo Rents
	Epoxy Polysulfide Binder	3 Gal.	No Bid	
	EUCO Concrete Coat Latex Modified Patch Kit	Kit	No Bid	
	EUCO Vericoat w/ 1 gal. Verticn mix liquid	Kit	No Bid	
	BITUTANE 4000 Membrane	SF	0.64	Allied Building Products
	BITUTANE P-3000 Primer	Gal.	53.10	Allied Building Products
	BITUTANE Edge Mastic	Gal.	23.95	Allied Building Products
	WR 140 Industrial Water Based Water Repellent (Chemstop)	Gal.	19.00	Volvo Rents
	Woven Polyethelene Nylon Sheets (20' X 100')	Roll	78.00	Volvo Rents
	Woven Polyethelene Nylon Sheets (40' X 100')	Roll	180.90	Allied Building Products

HIGHWAY MATERIALS GROUP II

ITEM VARIOUS CONSTRUCTION ITEMS

ITEM #	MATERIAL	UNIT	UNIT PRICE	VENDOR
DRAINAGE ITEMS				
	Prefabricated Adjustment Rings For Manholes	Each	95.00	Syracuse Castings
	12" PVC Drain Basin	Each	207.78	MJ Pipe & Supply Corp.
	12" Cast Iron Frame and Hinged Grate	Each	48.13	Cheming Supply Corp.
	12" PVC Drain Basin and Cast Iron Frame and Hinged Grate	Each	264.45	MJ Pipe & Supply Corp.
	Saddle Tee 4x12	Each	27.81	Cheming Supply Corp.
	Saddle Tee 4x15	Each	29.87	Cheming Supply Corp.
	Saddle Tee 4x18	Each	47.38	Cheming Supply Corp.
	Saddle Tee 4x24	Each	49.44	Cheming Supply Corp.
	Saddle Tee 4x30	Each	67.98	Cheming Supply Corp.
	Saddle Tee 4x36	Each	79.31	Cheming Supply Corp.
	Saddle Tee 6x12	Each	27.81	Cheming Supply Corp.
	Saddle Tee 6x15	Each	37.08	Cheming Supply Corp.
	Saddle Tee 6x18	Each	53.56	Cheming Supply Corp.
	Saddle Tee 6x24	Each	58.71	Cheming Supply Corp.
	Saddle Tee 6x30	Each	75.19	Cheming Supply Corp.
	Saddle Tee 6x36	Each	83.43	Cheming Supply Corp.
	Clay Adapter 3"	Each	1.16	Cheming Supply Corp.
	Clay Adapter 4"	Each	1.16	Cheming Supply Corp.
	Clay Adapter 6"	Each	3.33	Cheming Supply Corp.
	Snap T's 4x4	Each	3.00	MJ Pipe & Supply Corp.
	Snap T's 6x6	Each	6.67	MJ Pipe & Supply Corp.
	Snap T's 6x4	Each	6.86	MJ Pipe & Supply Corp.

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
MAGIC MINUS ZERO	Brown	50	Magnesium	Gallon	0.86	I.M.U.S.
ICE B GONE	Brown	80	Magnesium	Gallon	0.91	I.M.U.S.
CALIBER M2000	Blue	80	Magnesium	Gallon	0.99	I.M.U.S.
MELT DOWN	Cl. / Blue	90	Magnesium	Gallon	0.66	I.M.U.S.
Ice Ban Concentrate	Brown	100	None	Gallon	0.80	Millennium Roads
Ice Ban 75/25	Brown	75	Sodium / Calcium	Gallon	0.74	Millennium Roads
Ice Ban 50/50	Brown	50	Sodium / Calcium	Gallon	0.70	Millennium Roads
Ice Ban 25/75	Brown	25	Sodium / Calcium	Gallon	0.66	Millennium Roads

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
MAGIC MINUS ZERO	Brown	50	Magnesium	Gallon	1.09	I.M.U.S.
ICE B GONE	Brown	80	Magnesium	Gallon	1.14	I.M.U.S.
CALIBER M2000	Blue	80	Magnesium	Gallon	1.22	I.M.U.S.
MELT DOWN	Cl. / Blue	90	Magnesium	Gallon	0.92	I.M.U.S.
Ice Ban Concentrate	Brown	100	None	Gallon	0.90	Millennium Roads
Ice Ban 75/25	Brown	75	Sodium / Calcium	Gallon	0.84	Millennium Roads
Ice Ban 50/50	Brown	50	Sodium / Calcium	Gallon	0.80	Millennium Roads