



CONTRACT DATA SHEET

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

TITLE: HIGHWAY MATERIALS – GROUP II

CONTRACT #: 0102-21

CONTRACT DATES: 03/01/2021 – 02/29/2024

BUYER: Sean Wilcox
PHONE: 585/753-1136
EMAIL: swilcox@monroecounty.gov

VENDOR(S): Various – See Attached List

CHANGES: Contract prices are effective March 1, 2023
through February 29, 2024

Sean Wilcox
Buyer

XC: BP FILE
VENDOR

HIGHWAY MATERIALS GROUP II
VENDORS

Contract	Vendor Name	Awarded some or all of Items:
7700000003	ADVANCED DRAINAGE SYSTEMS INC	37,38
7700000004	BARRE STONE PRODUCTS INC	1,2,3,4,7,8,9,11,12
7700000005	CHEMUNG SUPPLY CORPORATION	20,26,28,29,36,
7700000006	CROSSROADS HIGHWAY SUPPLY INC	22,26,27,32,33,34,35,36
7700000007	DOLOMITE PRODUCTS CO INC	7,9,12
7700000055	DUKE COMPANY	13,17
7700000008	EBERL IRON WORKS INC	22
7700000009	HANSON AGGREGATES NEW YORK INC	1,3,4,5,6,7
7700000010	INNOVATIVE MUNICIPAL PRODUCTS US IN	2,3,39
7700000011	IROQUOIS ROCK PRODUCTS INC	1,3,4,5,6,7,12
7700000012	J C SMITH INC	13,16,19,23,25,26,32
7700000013	KEELER CONSTRUCTION CO INC	5,7
7700000014	MACEDON LANDSCAPING INC	8
7700000015	MILLENNIUM ROADS LLC	39
7700000056	MILLER BRICK COMPANY	14
7700000016	MRI CONTRACTOR OF NY INC	8
7700000017	MORRISON EXCAVATING INC	8
7700000018	RAL LANDSCAPE INC	8,10
7700000019	ROCHESTER EARTH MATERIALS	8,9,10,11
7700000020	ROCHESTER ASPHALT MATERIALS	1,3,4,5,6
7700000021	SHELBY CRUSHED STONE INC	3
7700000022	SPALLINA MATERIALS INC	1,5
7700000028	SYRACUSE SAND & GRAVEL LLC	7,8,9,10,11,12
7700000023	TAOUK DEVELOPMENT LLC	8,9,10,11
7700000024	UNIQUE PAVING MATERIALS CORP	3
7700000025	US STANDARD SIGN COMPANY INC	24
7700000026	VALLEY SAND & GRAVEL	7,9,11,12
7700000027	VICTOR GRAVEL CORP/ROCH GRAVEL PROD	7,8,9,11,12

TERMS AND CONDITIONS

BID ITEM:

HIGHWAY MATERIALS - GROUP II

FOR:

Department of Transportation

BUYER CONTACT:

The Buyer, identified below, is the sole point of contact regarding this Bid from the date of issuance until the bids are opened and the results made public.

Sean Wilcox
Monroe County Division of Purchasing
39 West Main Street Room 200
Rochester, NY 14614
Email: swilcox@monroecounty.gov

All requests for bid clarification must be submitted in writing to the Buyer referenced above and received no later than noon. (12:00 PM Eastern Standard Time) on **Wednesday, January 13, 2021.**

All questions will be answered and documented in writing as an Addendum to the Bid. These will be sent out to all Bidders who received the original Bid no later than **Friday, January 15, 2021.**

DUPLICATE COPIES:

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

BID INFORMATION:

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

SUBMITTAL OF FORMAL PROPOSAL:

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

All bidders must submit proof that they have obtained the required **Workers' Compensation and Disability Benefits Insurance** coverage or **PROOF** that they are exempt. (Visit www.wcb.ny.gov for forms.)

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.

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 when in the County's best interests to do so, such as when the price offered is great enough to offset the additional costs inherent to multiple contracts.** Bidders are not required to bid on every item included in the bid. **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 **February 28, 2022**, with the option to renew the contract up to **two (2)** additional twelve (12) month periods with the mutual consent of both parties.

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.**

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.

DELIVERY:

Delivery to be **F.O.B. destination as specified by 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 goods 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 her 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 her Designee.

**REPORT OF
PURCHASE:**

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

OTHER AGENCIES:

The Contractor(s) **must** honor the prices, terms and conditions of this contract with political subdivisions or districts located in whole or in part within Monroe County. In addition, the contractor **may**, but is not required to, extend the prices, terms and conditions of this contract to any other political subdivision or district. 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.

**EQUAL PAY
CERTIFICATION:**

Prior to the execution of this Agreement, the Contractor shall submit to the County an Equal Pay Certification ("Certification") affirming the Contractor's compliance with the Federal Equal Pay Act, 29 USC § 206 and New York State Labor Law §194, as amended from time to time ("Equal Pay Laws"). As set forth in the Certification, the Contractor's violation of one or more of the Equal Pay Laws or its filing of a false or misleading Certification during the term of this Agreement may constitute grounds for the County in its sole discretion to immediately terminate the Agreement and for determining the Contractor to be not qualified to participate in future Monroe County contracts.

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 Seven Hundred Fifty Thousand and no/100 Dollars (\$750,000.00) 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 Seven Hundred Fifty Thousand and no/100 Dollars (\$750,000.00) 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.






































Monroe County Department of Transportation

2021 Highway Material Group II

Technical Specifications

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

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ITEM _____ ASPHALT CONCRETE HOT MIX COURSES**DESCRIPTION:**

Provide asphalt concrete material at the vendor's plant.

MATERIAL REQUIREMENT:

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

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

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

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

True & Leveling F9, HMA, (< 0.3 M ESAL's)
Shim Course F9, HMA, (< 0.3 M ESAL's)
6.3mm F2 Polymer modified HMA (< 0.3 M ESAL's)
Top Course 9.5 mm F2 HMA, (< 0.3 M ESAL's)
Top Course 12.5 mm F2 HMA, (< 0.3 M ESAL's)
Binder Course 19 mm F9 HMA, (< 0.3 M ESAL's)
Binder Course 25 mm F9 HMA, (< 0.3 M ESAL's)
Base Course 37.5 mm F9 HMA, (< 0.3 M ESAL's)

ASPHALT PRICE ADJUSTMENTS:

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

ITEM _____ ASPHALT CONCRETE HOT MIX COURSES

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 ton of asphalt per mile.
2. Material cost.
3. Production rate of asphalt material for project at the plant.
4. The County reserves the right to select the asphalt vendor for projects that do not require a paver and/or are less than 200 tons per day.

QUALIFICATION OF BIDDER:

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

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

METHOD OF MEASUREMENT:

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

ITEM _____ ASPHALT CONCRETE HOT MIX COURSES**BASIS OF PAYMENT:**

The bid price will be for material by the ton

Payment will be made under:

Item Description	Pay Unit
Type MC1 Binder Course / County #1 Binder	Ton
6.3 mm F2 Polymer Modified, (< 0.3 M ESAL's)	Ton
Flexible Overlay (Smooth Seal)	Ton
Flexible Top	Ton
True & Leveling F9, HMA, (< 0.3 M ESAL's)	Ton
Shim Course F9, HMA, (< 0.3 M ESAL's)	Ton
Top Course 9.5 mm F2 HMA, (< 0.3 M ESAL's)	Ton
Top Course 12.5 mm F2 HMA, (< 0.3 M ESAL's)	Ton
Binder Course 19 mm F9 HMA, (< 0.3 M ESAL's)	Ton
Binder Course 25 mm F9 HMA, (< 0.3 M ESAL's)	Ton
Base Course 37.5 mm F9 HMA, (< 0.3 M ESAL's)	Ton

ITEM _____ PLANT MIXED ASPHALT PATCHING MATERIAL

DESCRIPTION:

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

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

MATERIAL REQUIREMENT:

Patching material shall be produced using hot mix asphalt batch plants in accordance with the requirements of the New York State Department of Transportation Standard Specifications, Section 401, latest revision, except as modified herein.

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

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

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

- A. Aggregate gradation band and aggregate types.
- B. Bituminous Material - amount and type.
- C. Fiber Material - description and quantity.
- D. Description and quantities of additives, if used.
- E. Temperature ranges for material preparation.

ITEM _____ PLANT MIXED ASPHALT PATCHING MATERIAL

The Job Mix Formula shall be submitted to the agency designated representative for approval. The Job Mix Formula shall be approved by the agency designated representative 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 212 deg. F. The net mixing time shall be sufficient to insure uniform coating after all materials are in the pugmill. Preparation of the mixture shall conform to the specification requirements outlined in NYSDOT Section 401, Plant Production - General, except that automatic proportioning and recording equipment is not required.

Inspection, Testing & Acceptance: The Producer shall contact the agency designated representative 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

ITEM _____ PLANT MIXED ASPHALT PATCHING MATERIAL

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 bulk material quantity shall be measured by the Ton.

The packaged material (bagged / bucket) shall be measured by the pound.

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT
Plant Mixed Asphalt Patching Material	Ton
Packaged (bagged / bucket) Asphalt Patching Material	Pound

ITEM _____ MODIFIED ASPHALT PATCHING MATERIAL**DESCRIPTION:**

This material shall be a plant mixed pavement patching material. The bulk material shall be capable of storage in a stockpile composed of mineral aggregates, bituminous materials, and polymer fibers. The bagged or bucket patch shall meet all the criteria of the bulk mix. 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	MANUFACTURER
Perma-Patch®	Perma-Patch, Inc.
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, EcoPatch®	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.
Quikrete® Black Top Patch	Quikrete Companies

ITEM _____ MODIFIED ASPHALT PATCHING MATERIAL

4. Anti-Stripping Mixtures - An anti-stripping agent approved by the agency designated representative 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 the agency for approval. The Job Mix Formula shall be approved by the agency designated representative 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 ASPHALT PATCHING MATERIAL

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

Inspection, Testing & Acceptance: The Producer shall contact the agency designated representative 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 bulk material quantity shall be measured by the Ton.

The packaged material (bagged / bucket) shall be measured by the pound.

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT
Modified Plant Mixed Asphalt Patching Material	Ton
Packaged (bagged / bucket) Asphalt Patching Material	Pound

**ITEM _____ RECLAIMED ASPHALT PAVEMENT (RAP) / MILLINGS & ASPHALT
MILLINGS CREDIT**

DESCRIPTION:

Provide RAP / millings processed asphalt milling material or a credit for asphalt millings accepted at a specific location, from Monroe County or anyone of the authorized agencies purchasing from this contract.

MATERIAL REQUIREMENT:

Material provided shall be exclusively asphalt pavement free from soil organics, or other deleterious materials. The material gradation shall meet the following criteria:

- 1" minus
- 9/16"
- 3/8"

METHOD OF MEASUREMENT:

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

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT
Asphalt Millings Credit	Ton
1" RAP /Millings	Ton
9/16" RAP /Millings	Ton
3/8" RAP /Millings	Ton

ITEM _____ MATERIAL HAULING

DESCRIPTION:

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

For loading, hauling and delivery of stone fill (heavy) a fixed price per ton will be added the bid price for the material.

MATERIAL REQUIREMENT:

None specified.

DELIVERY REQUIREMENT:

The use of this Material Hauling Item can ONLY be used for a minimum single delivery load of 18 Tons.

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. The material bid unit cost and the material hauling cost will be paid by the same unit.

For loading, hauling and delivery of stone fill (heavy) a fixed price per ton contained in the proposal will be added to the bid price for the material. This price is to cover the additional labor, equipment and handling costs associated with loading of the heavy stone fill into specific trucks, as well as the delivery of the material to the project site. The special loading, hauling and delivery charge shall be added to each the ton of material delivered. **This additional fixed price per ton cost in the proposal only applies to the hauling of the stone fill (Heavy).**

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).

ITEM _____ MATERIAL HAULING

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	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 CY of material	CY
Material hauling cost for > 1 mile per CY of material	CY
Material hauling and loading for Stone Filling (Heavy) ONLY (Additional Charge).	Fixed price per ton

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.

MATERIAL REQUIREMENT:

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 702-6 & 702-7, 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:

DESCRIPTION	UNIT
Bituminous Liquid Tack Coat (5 Gallon Metal Pails)	5 Gallon Pails

ITEM _____ STONE AGGREGATES (QUARRY)
STONE AGGREGATES (GRAVEL PIT)

DESCRIPTION:

Provide stone aggregate material at the vendor's plant.

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 Ton.

BASIS OF BID:

Unit price bid shall be per ton and include all costs of furnishing and loading the material into the agency 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.

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.

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 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 _____ STONE AGGREGATES (QUARRY)
STONE AGGREGATES (GRAVEL PIT)

BASIS OF PAYMENT:

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

DESCRIPTION	UNIT
5/8" Crushed Stone	Ton or Cubic Yard (CY)
5/8" Crusher Run	Ton or Cubic Yard (CY)
#1 Crushed Stone	Ton or Cubic Yard (CY)
#1 Crusher Run	Ton or Cubic Yard (CY)
#2 Crushed Stone	Ton or Cubic Yard (CY)
#2 Crusher Run	Ton or Cubic Yard (CY)
#3 Crusher Run	Ton or Cubic Yard (CY)
Crushed Stone Screenings	Ton or Cubic Yard (CY)
#1 Washed Crushed Stone	Ton or Cubic Yard (CY)
#1A Stone	Ton or Cubic Yard (CY)
3/8" Washed Stone	Ton or Cubic Yard (CY)
#1A Washed Stone	Ton or Cubic Yard (CY)
#1B Stone	Ton or Cubic Yard (CY)
#1B Washed Stone	Ton or Cubic Yard (CY)
#1 ST Washed Stone	Ton or Cubic Yard (CY)
#2 Washed Stone	Ton or Cubic Yard (CY)
#3 Stone	Ton or Cubic Yard (CY)
#4 Stone	Ton or Cubic Yard (CY)
#4A Stone	Ton or Cubic Yard (CY)
#5 Stone	Ton or Cubic Yard (CY)
#1 & #2 Stone Blended (Washed)	Ton or Cubic Yard (CY)
#1 & #2 Stone Blended (Dry)	Ton or Cubic Yard (CY)
Recycled Concrete	Ton or Cubic Yard (CY)
Stone Filling (Fine)	Ton or Cubic Yard (CY)
Stone Filling (Light)	Ton or Cubic Yard (CY)
Stone Filling (Medium)	Ton or Cubic Yard (CY)
Stone Filling (Heavy)	Ton or Cubic Yard (CY)
Rip Rap	Ton or Cubic Yard (CY)
Mixing of Aggregates	Ton or Cubic Yard (CY)

ITEM _____ TOPSOIL

DESCRIPTION:

Provide topsoil material at the vendor's pit or quarry utilizing agency 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 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 agencies 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 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.

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT
Topsoil - Screened	Ton
Topsoil – Screened	Cubic Yard (CY)
Topsoil – Unscreened	Ton
Topsoil – Unscreened	Cubic Yard (CY)

ITEM _____ FILL DIRT MATERIAL

DESCRIPTION:

Provide fill dirt material at the vendor's pit or quarry utilizing agency 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 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 agencies 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 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.

BASIS OF PAYMENT:

DESCRIPTION	UNIT
Fill Dirt Material	Ton
Fill Dirt Material	CY

ITEM _____ COMPOST TOPSOIL

DESCRIPTION:

Provide compost topsoil at the vendor's pit or quarry utilizing agency trucks.

MATERIAL REQUIREMENT:

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 713-15, Compost latest revision.

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:

DESCRIPTION	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.

ITEM _____ COMPOST TOPSOIL

METHOD OF MEASUREMENT:

The quantity of material to be paid for shall be measured by the 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 agencies trucks at the vendors location.

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

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

BASIS OF PAYMENT:

DESCRIPTION	UNIT
Compost Topsoil	Cubic Yard (CY)
Compost Topsoil	Ton

ITEM _____ SELECT STRUCTURAL FILL MATERIAL:

DESCRIPTION:

Provide structural fill material at the vendor's plant utilizing agency trucks.

MATERIAL REQUIREMENT:

Material shall meet the requirements of the New York State Department of Transportation §733-11 Select Granular Fill latest revision.

METHOD OF MEASUREMENT:

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

BASIS OF PAYMENT:

DESCRIPTION	UNIT
Select Structural Fill	Ton
Select Structural Fill	Cubic Yard (CY)

ITEM _____ SAND MATERIAL:**DESCRIPTION:**

Provide sand material at the vendor's plant utilizing agency 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. Abrasive A & B material shall meet the requirements of Group 33700 of the State of New York Executive Department, Office of General Services

Material #	Descriptive Title	Material Size Range & Miscellaneous Notes			Material Use
703-03	Mortar Sand	Seive Size		% Passing by Weight	Fine sand for use in making mortar for masonry work
		No. 4		100	
		No. 8		95 - 100	
		No. 50		10 – 40	
		No. 100		0 - 15	
		Concrete sand is a permitted alternate			
703-04	Grout Sand	Seive Size		% Passing by Weight	Fine sand for use in making grout
		No. 16		100	
		No. 100		0 - 10	
703-07	Concrete Sand	Percent Passing by Weight			Sand for use in making Portland cement concrete
		Seive Size	Min	Max	
		3/8”	100	-	
		No.	90	100	
		No.	75	100	
		No.	50	85	
		No.	25	60	
		No.	10	30	
			1	10	
			0	3	
Abrasive A	Abrasive Gradation A	#200 - 3/8”			Abrasive used to treat snow and ice on pavements
Abrasive B	Abrasive Gradation B	#200 - 3/8”			Abrasive used to treat snow and ice on pavements

METHOD OF MEASUREMENT:

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

ITEM _____ SAND MATERIAL:

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 agencies 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 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 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.

BASIS OF PAYMENT:

DESCRIPTION	UNIT
Mortar Sand	Ton or Cubic Yard (CY)
Grout Sand	Ton or Cubic Yard (CY)
Concrete Sand	Ton or Cubic Yard (CY)
Ice Control Sand	Ton or Cubic Yard (CY)

ITEM _____ MASONRY ITEMS

DESCRIPTION:

Provide masonry material to any point in Monroe County.

MATERIAL REQUIREMENT:

1. **Concrete Mix (Bagged):** Bid shall be for 80 lb. bags of **Quikrete®** Concrete Mix.
2. **Portland Cement (Bagged):** Bid for Portland Cement **Quikrete®** shall meet the requirements of NYSDOT Standard Specifications Section 701-1, Type 2, latest revision. Price will be for 94 lb. bags.
3. **Mortar Mix (Bagged):** Bid for Mortar Mix **Quikrete®** shall meet the requirements of NYSDOT Standard Specifications Section 701-1, Type 2, latest revision. Price will be for 80lb. bags
4. **Mortar Mix Type S (Bagged):** Bid for Mortar Mix **Quikrete®** shall meet the requirements of (ASTM C270) NYSDOT Standard Specifications Section 701-1, Type 2, latest revision. Price will be for 80lb. bags
5. **Super 5000 Mix (Bagged):** Bid shall be for 80 lb. bags of **Quikrete 5000®** High Early Strength Concrete Mix. The material shall have a minimum compressive strength of 5000 psi @ 28 days.
6. **SPEED CRETE RED LINE (Bagged):** Bid shall be for 50 lb. bags of by Tamms Industries Co.® / EUCLID CHEMICAL ® fast setting concrete mix.

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

7. **SPEED CRETE GREEN LINE (Bagged):** Bid shall be for 50 lb. bags of by Tamms Industries Co.® / EUCLID CHEMICAL ® 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.

ITEM _____ MASONRY ITEMS

8. **SPEED CRETE BLUE LINE (Bagged):** Bid shall be for 50 lb. bags of 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.® / EUCLID CHEMICAL ® The following compressive strengths are required:

- (24 Hours – 2000 psi)
- (28 Days (5000 psi)

METHOD OF MEASUREMENT:

Material shall be measured for payment as follows:

#	ITEM	WEIGHT
1	Concrete Mix	80 # Bag
2	Portland Cement	94 # Bag
3	Mortar Mix	80 # Bag
4	Mortar Mix Type S	80 # Bag
5	Super 5000 Mix	80 # Bag
6	SPEED CRETE RED LINE Fast Setting Concrete	50 # Bag
7	SPEED CRETE GREEN LINE	50 # Bag
8	SPEED CRETE BLUE LINE	50 # Bag

BASIS OF BID:

The unit price bid for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 48 hours of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday Excluding Holidays

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:

DESCRIPTION	Unit
Concrete Mix – 80 # Bag	Each (Ea.)
Portland Cement - 94# Bag	Each (Ea.)
Mortar Mix – 80# Bag	Each (Ea.)
Mortar Mix Type S	Each (Ea.)
Super 5000 Mix	Each (Ea.)
SPEED CRETE RED LINE Fast Setting Concrete	Each (Ea.)
SPEED CRETE GREEN LINE	Each (Ea.)
SPEED CRETE BLUE LINE	Each (Ea.)

ITEM _____ COMMON SEWER BRICK

DESCRIPTION:

This item shall include furnishing and delivery of common sewer brick / common brick- Half Height to any point in Monroe County.

MATERIAL REQUIREMENT:

704-01 COMMON BRICK: Brick shall conform to the requirements of ASTM C32, Grade MS, including the requirement for saturation coefficient. Common brick shall be solid. ASTM Standard C-32-69 Grade SS, ASTM C-216-71, Grade SW.

COMMON BRICK –HALF HEIGHT: rick shall meet the requirements of NYSDOT Standard Specifications Section 704-01, latest revision. Dimensions will be 8" long, 4" wide, 1 1/3" high.

METHOD OF MEASUREMENT:

COMMON SEWER BRICK - Item will be 525 common sewer brick to a pallet
COMMON BRICK –HALF HEIGHT - Item will be 825 common sewer brick to a pallet

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 7 days of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday Excluding Holidays

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.

NOTE: The Each (Ea.) unit referring to per brick price is used only for the award. Purchases shall be by the pallet.

BASIS OF PAYMENT:

DESCRIPTION	UNIT
Common Sewer Brick	Each (Ea.)
Common Brick - Half Height:	Each (Ea.)

ITEM _____ PATIO PAVERS

DESCRIPTION:

Provide Patio Pavers to any point in Monroe County.

MATERIAL REQUIREMENT:

The Patio Pavers shall be 4" X 8" X 2 ¼ " Exton Patio Pavers.

METHOD OF MEASUREMENT:

Item will be 525 pavers to a pallet.

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 7 days of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

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.

NOTE: The Each (Ea.) unit referring to per paver / brick price is used only for the award. Purchases shall be by the pallet.

The bidder shall specify the product name that is intended to be supplied

BASIS OF PAYMENT:

DESCRIPTION	UNIT
Patio Pavers	Each (Ea.)

ITEM _____ DETECTABLE WARNING UNITS**DESCRIPTION:**

Provide detectable warning materials to any point in Monroe County.

MATERIAL REQUIREMENT: SURFACE APPLIED DETECTABLE WARNING UNITS

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 726-01, latest revision, and appear on the NYSDOT current approved list (copy below) for the specific application.

Surface-applied detectable warning units shall conform to the dimensions shown on the current standard sheet for detectable warnings. Units shall be composed of cementitious materials, steel, iron, plastics, polymeric materials, resins, pigments, or as approved by the Director, Materials Bureau. The units shall be an approximate visual match to the color specified in the Contract Documents. Units shall provide the required contrast (light on-dark or dark-on-light) with the adjacent curb ramp or other applicable walkway. The units shall be uniform in color and texture, be free of cracks or other defects, and have clean-cut and well-defined edges. Units shall adhere to hot mix asphalt (HMA) or Portland cement concrete (PCC) surfaces at a minimum air temperature of 60°F, and a minimum surface substrate temperature of 70°F. They shall be weather resistant and durable to normal pedestrian wear and maintenance activities, and show no appreciable fading, lifting, or shrinkage. The units shall be capable of molding or fitting itself to the contours, breaks, and faults of HMA or PCC surfaces, and show no significant tearing, rollback, lifting, or other signs of poor adhesion. The units shall have friction characteristics similar to a broomed PCC surface.

The detectable warning units shall meet the following physical properties:

Standard	Property	Results
ASTM C501	Wear Resistance	Wear Index: >15
ASTM C1028	Slip Resistance	Dry Coefficient of friction 0.8 minimum
ASTM E96	Water Vapor Transmission	10 grams/square foot/24 hours
Various	Adhesion/Bonding Strength	See Note*

Note *Note: Due to the various types of materials available, the Manufacturer shall certify, through independent laboratory testing, that the type of material used for detectable warnings will bond to a prepared surface.*

PROVISIONALLY APPROVED SURFACE APPLIED PRODUCT LIST

Access Tile Tactile Systems	Access Products, Inc. Buffalo, NY
AlertTile	Cape Fear Systems III, LLC Wilmington, NC
Armor-Tile Surface Applied System	Engineered Plastics, Inc. Williamsville, NY
CATCRETE Tool LLC	CATCRETE Tool LLC Amherst, NY
DWS TILES	Troy Diecutting Company Troy, NY
DWT - Detectable Warning Tile	Three D Plastics, Inc. Burbank, CA

ITEM _____ **DETECTABLE WARNING UNITS**

SAFTI-TRAX	Cote-L Industries Teaneck, NJ
Step-Safe Surface Applied ADA Mats	Transpo Industries, Inc. New Rochelle, NY
STRONGWARN	Strongwall Industries, Inc. Ridgewood, NJ
Surface Applied Radius Tactile	ADA Solutions, Inc. North Billerica, MA
Tactile Warning Tile	
TopMark	Flint Trading Inc. Thomasville, NC
Trelleborg's TGS (Tactile Guidance System)	Trelleborg Industri-AB Pennington, NJ
TurTile Polymer (Surface Applied) Replacable tiles	TufTile, Inc. Lake Zurich, IL
TurTile Polymer (Surface Applied) Replacable Radius Wedge tiles	

MATERIAL REQUIREMENT: 726-02 EMBEDDED DETECTABLE WARNING UNITS

SCOPE. This specification covers the material and quality requirements for embedded detectable warning units.

MATERIAL REQUIREMENTS. Embedded detectable warning units shall conform to the dimensions shown on the current standard sheet for detectable warnings.

Units shall be composed of cementitious materials, steel, iron, clay, shale, plastics, polymeric materials, resins, pigments, or as approved by the Director, Materials Bureau. The units shall be an approximate visual match to the color specified in the Contract Documents. Units shall provide the required contrast (light-on-dark or dark-on-light) with the adjacent curb ramp or other applicable walkway. The units shall be uniform in color and texture, be free of cracks or other defects, and have clean-cut and well-defined edges. Where applicable, the units shall adhere to hot mix asphalt (HMA) or Portland cement concrete (PCC) surfaces at a minimum air temperature of 60°F, and a minimum surface substrate temperature of 70°F. They shall be weather resistant and durable to normal pedestrian wear and maintenance activities, and show no appreciable fading, lifting, or shrinkage. The units shall have friction characteristics similar to a broomed PCC surface.

The detectable warning units shall meet the following physical properties:

Property	Results
Compressive Strength, Min., 28 days	8000 psi Minimum
Freeze-thaw Loss (25 Cycles, one per day, 10% NaCl solution)	1.0 % Maximum
in accordance with NY Test Method 502-3P	

ITEM _____ DETECTABLE WARNING UNITS

PROVISIONALLY APPROVED EMBEDDED PRODUCT LIST (726-02)

PRODUCT NAME	MANUFACTURER/LOCATION(s)
Access Tile Tactile Systems	Access Products, Inc. Buffalo, NY
ACO DWD	ACO Polymer Products Casa Grande, AZ Chardon, OH
ADA Detectable Warning Safety Tile	Tegula Tile Rensselaer, NY
ADA Pavers	Whitacre-Greer Alliance, OH
ADA Truncated Dome Pavers	Wausau Tile Rothschild, WI
Advantage Tactile Systems, Inc. - Advantage Detectable Warning Tile	Advantage Tactile Systems, Inc. Buffalo, NY
AlertCast	Cape Fear Systems III, LLC Wilmington, NC
American Safety Block	Roman Stone Construction Company Bayshore, NY
Armorcast Detectable Warning Wet Set Replaceable	Armorcast Products Company North Hollywood, CA
Armor-Tile Cast In Place Truncated Dome Systems	Engineered Plastics, Inc. Williamsville, NY
CASTinTACT™ Detectable Warning Plane	Masons Supply Company Portland, OR
Cold Spring Granite Truncated Dome Pavers-ADA Compliant	Cold Spring Granite Company Cold Spring, MN
Composite (Wet Set) Replaceable Tactile	ADA Solutions, Inc. North Billerica, MA
Detectable Warning Plates	Neenah Foundry Company Neenah, WI
DetecTile PFC Composite Detectable Warning Plate	DetecTile, Inc. Oak Brook, IL
DURALAST® (7005/7007 Series)	EJ USA, Inc. Ardmore, OK East Jordan, MI
DURALAST® (7006 Radial Series)	
Embedded Radius Replaceable Tactile	ADA Solutions, Inc. North Billerica, MA

ITEM _____ DETECTABLE WARNING UNITS

Hanover Detectable Warning Paver	Hanover Architectural Products Hanover, PA
Iron Dome Cast Iron (wet-set)	ADA Solutions, Inc. Chelmsford, MA
IronPed	Neenah Foundry Company ¹ Neenah, WI
Oaks Detectable Warning Paver	Oaks Concrete Products Milton, ON, Canada
Cast-In-Place (wet set) Paver	ADA Solutions, Inc. North Billerica, MA
STEP-Safe Precast Polymer Concrete	Transpo Industries New Rochelle, NY
TekWay Dome-Tiles	StrongGo Industries Tucson, AZ
TufTile Cast Iron Tiles	TufTile, Inc. Lake Zurich, IL
TufTile Cast Iron Radius Wedges	TufTile, Inc. Lake Zurich, IL
TufTile Polymer (wet-set) Replaceable Tiles	TufTile, Inc. Lake Zurich, IL
TufTile Polymer (wet-set) Replaceable Radius Wedge Tiles	TufTile, Inc. Lake Zurich, IL
Unilock ADA 12X12 Paver	Unilock Chicago, Inc. Aurora, IL

Note: 1 Supplied by Ironped LLC, Loreto, MN

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 for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 14 days of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

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.

The bidder shall specify the product name that is intended to be supplied.

ITEM _____ DETECTABLE WARNING UNITS

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:

DESCRIPTION	UNIT
Surface Applied Detectable Warning Material	Square Foot (SF)
Embedded Preformed Detectable Warning Material	Square Foot (SF)
Detectable warning paver bricks	Square Foot (SF)

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:

Item shall be measured for payment by the 50 # bag (Each) or by the pallet. A pallet shall be defined as 42 bags.

A separate delivery charge shall be charged if the order is less than a pallet.

BASIS OF BID:

The unit price bid for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 48 hours of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

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.

The bidder shall specify the product name that is intended to be supplied.

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT
Calcium Chloride (50 # bags)	Each (Ea.)
Delivery Cost (if less than a pallet)	Each (Ea.)
Calcium Chloride (Pallet)	Each (Ea.)

ITEM _____ POLYETHYLENE SNOW FENCE

DESCRIPTION:

Provide Polyethylene Snow Fence material to any point in 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	320 psi
Ultimate Tensile Yield	370 lbs./Ft
Strength Elongated at Break	150%

METHOD OF MEASUREMENT:

The material shall be measured for payment by Each (Ea.) 100' roll.

BASIS OF BID:

The unit price bid for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 7 days of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

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.

The bidder shall specify the product name that is intended to be supplied.

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT
Polyethylene Snow Fence	Each (Ea.)

ITEM _____ PLASTIC SAFETY FENCING

DESCRIPTION:

Provide recycled plastic safety fencing material 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.

METHOD OF MEASUREMENT:

The material shall be measured for payment by Each (Ea.) 50' roll.

BASIS OF BID:

The unit price bid for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 7 days of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

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.

The bidder shall specify the product name that is intended to be supplied.

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT
Plastic Safety Fence	Each (Ea.)

ITEM _____ WOOD SNOW FENCE

DESCRIPTION:

Provide Wood Snow Fence to any point in Monroe County.

MATERIAL REQUIREMENT:

Material shall be Wood. Each select picket shall be uniformly spaced and held securely in place with 5 double cables of galvanized wire. It shall be provided in 4 ft. X 50 ft. rolls. Each roll is double dipped in red oxide for even penetration.

METHOD OF MEASUREMENT:

The material shall be measured for payment by Each (Ea.) 50' roll.

BASIS OF BID:

The unit price bid for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 7 days of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

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.

The bidder shall specify the product name that is intended to be supplied.

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT
Wooden Snow Fence	Each (Ea.)

ITEM _____ TRAFFIC SIGN POSTS (SQUARE TUBING)

DESCRIPTION:

Provide traffic sign posts to any point in Monroe County.

MATERIAL REQUIREMENT:

The steel posts furnished under this specification shall conform to the standard specification for cold-rolled carbon steel sheets, commercial quality ASTM designation A-366.

The cross section of the post shall be a square tube formed of 12 gauge (.105 United States Standard gauge) steel, carefully rolled to size and welded in the corner.

Post shall be of one or more of the following sizes as called for on the purchase order:

Post Measurement	Gauge	Weight per Foot (pound)	*Hole Diameter	Post Length
1 3/4" X 1 3/4"	12	2.060	7/16"	10'
2" X 2"	12	2.416	7/16"	10'
2 1/4" X 2 1/4"	12	2.773	7/16"	3'

***Holes spaced one inch on centers on all four sides for the entire length of the post.**

The furnished member shall be straight and shall have a smooth uniform finish. It shall be possible to telescope consecutive sizes of tubes freely with a minimum amount of play. All holes and cut off ends shall be free from burrs.

All posts shall be weather protected by galvanizing. Posts shall be formed from cold-rolled steel strip which has been zinc coated, commercial quality (1.25 oz.) conforming to ASTM Specifications A-93.

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.

PACKAGING & DELIVERY:

The posts shall be securely steel banded in bundles of twenty-five (25) posts. Delivery of the materials shall be transported on a flatbed truck in order for the agency to unload the materials. The contractor shall be responsible for the unloading of all materials not transported in this manner.

METHOD OF MEASUREMENT:

The material shall be measured for payment by Each (Ea.) post.

ITEM _____ TRAFFIC SIGN POSTS (SQUARE TUBING)

BASIS OF BID:

The unit price bid for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 14 days of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

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:

DESCRIPTION (Post Measurement)	UNIT
Traffic Sign Post (Square Tubing) 1.75" x 1.75" x 10'	Each
Traffic Sign Post (Square Tubing) 2"x 2" x 10'	Each
Traffic Sign Post (Square Tubing) 2.25" x 2.25" x 3'	Each

ITEM _____ STEEL SNOW FENCE POSTS

DESCRIPTION:

Provide steel snow fence posts 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 for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 7 days of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

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.

The bidder shall specify the product name that is intended to be supplied.

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT
Steel Snow Fence Post	Each (Ea.)

DESCRIPTION:

Provide Aluminum Sign Blanks to any point in Monroe County.

MATERIAL REQUIREMENT:

The sign blanks are to be made of 100% recycled aluminum, of sizes asked for. Blanks shall be commercially flat, free from oils, grease, dust, oxidation or any other substances. Blanks are to be ready for adhesion of NYS Specification Reflective Sign sheeting. These blanks are to be used in the fabrication of traffic signs.

Base Metal: 100%: Recycled Aluminum.

Thickness: .080 unless otherwise specified. Some blanks .063 will be required as noted.

Holes: All holes are to be punched 7/16" diameter unless otherwise noted

Testing: The material shall meet the requirements of ASTM B449.

NOTE; The Aluminum Blanks shall be free of any Trade Marks, markings or logos. The First dimension is always horizontal unless otherwise noted. All blanks are to be manufactured per US Bureau of Public Roads Standards. Blanks shall have 1-1/2" radius corners in accordance with the federal Manual on Uniform Traffic Control Devices (latest edition) and the federal Standard Highway Signs and Markings Book. Blanks are to be chemically treated to meet ASTM B449 specifications as pretreated for paint or reflective sheeting. Corners and holes are to be burr free. Shipment will be refused or returned at vender's expense in the event the above listed conditions are not met. Drawings provided.

METHOD OF MEASUREMENT:

The material shall be measured for payment by the Sign Blank

BASIS OF BID:

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

DELIVERIES: Deliveries are to be F.O.B. destination as specified by purchase order. All deliveries must be completed within thirty (30) days after receipt of order. Blanks are to be shipped via covered flatbed truck for side off-loading. Vender must contact department representative, Jim Lorenzo or designee at least 24 hours in advance of all deliveries at (585) 753-7846. Deliveries will only be accepted after inspection and between the hours of 9:00 AM and 2:00 PM week days only. Excluding Holidays

ITEM _____ ALUMINUM SIGN BLANKS

SHIPPING: All blanks are to be shipped on pallets with minimum 250pcs to maximum 500 pcs on each pallet. All pallets shall be 28'' wide with 3-1/2'' ground clearance. No pallet shall exceed 2000 lbs.

BASIS OF AWARD:

There will be one award for all the sign blanks. The bid will be awarded to the bidder with the lowest multiplier. Bidders shall only submit a single multiplier. Deletion or changes to items listed or scheduled unit prices will be cause for rejection of the bid.

The multiplier will be applied to each of the scheduled values for the award and contract pricing.

Unit Price: The option multiplier price bid shall be applied to the scheduled payment item prices contained in the proposal. **Do not show percentages to show the multiplier.** Any bid showing percentages will be rejected. **The multiplier shall be submitted to 4 decimal places.** (example 0.xxxx or 1.xxxx)

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	Thickness (inches)	UNIT
Aluminum Sign Blank – 12'' X 18'' (2 holes)	.063	Each
Aluminum Sign Blank – 8'' X 24'' (0 holes)	.063	Each
Aluminum Sign Blank – 8'' X 24'' (4 holes)	.063	Each
Aluminum Sign Blank - 8'' X 30'' (0 holes)	.063	Each
Aluminum Sign Blank - 8'' X 30'' (2 holes)	.063	Each
Aluminum Sign Blank - 8'' X 30'' (4 holes)	.063	Each
Aluminum Sign Blank – 30'' Octagon (2 holes)	.080	Each
Aluminum Sign Blank – 36'' Octagon (2 holes)	.080	Each
Aluminum Sign Blank - 12'' X 24'' (2 holes)	.080	Each
Aluminum Sign Blank – 12'' x 30'' (2 holes)	.080	Each
Aluminum Sign Blank – 18'' X 18'' (4 holes)	.080	Each
Aluminum Sign Blank – 24'' X 24'' (4 holes)	.080	Each
Aluminum Sign Blank – 24'' X 30'' (2 holes)	.080	Each
Aluminum Sign Blank – 24'' X 36'' (2 holes)	.080	Each
Aluminum Sign Blank – 30'' X 36'' (4 holes)	.080	Each
Aluminum Sign Blank – 30'' X 30'' (4 holes)	.080	Each
Aluminum Sign Blank – 36'' X 36'' (4 holes)	.080	Each
Aluminum Sign Blank – 12'' X 36'' (4 holes)	.080	Each
Aluminum Sign Blank – 18'' X 36'' (4 holes)	.080	Each
Aluminum Sign Blank – 12'' X 36'' (0 holes)	.080	Each
Aluminum Sign Blank – 12'' X 42'' (0 holes)	.080	Each
Aluminum Sign Blank – 12'' X 48'' (0 holes)	.080	Each
Aluminum Sign Blank – 12'' X 54'' (0 holes)	.080	Each
Aluminum Sign Blank – 12'' X 60'' (0 holes)	.080	Each
Aluminum Sign Blank – 12'' X 72'' (0 holes)	.080	Each
Aluminum Sign Blank – 24'' X 48'' (6 holes)	.080	Each

ITEM _____ GEOTEXTILE BEDDING FABRIC

DESCRIPTION:

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

MATERIAL REQUIREMENT:

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 700 Materials, Item §737-01 Geotextile Bedding (Geotextile bedding shall meet the requirements of Table 737-01A), 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 for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 48 hours of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

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.

The bidder shall specify the product name that is intended to be supplied.

BASIS OF PAYMENT: BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT
Geotextile Bedding Fabric	Square Foot (SF)

ITEM _____ GEOTEXTILE UNDERCUT SEPARATION FABRIC

DESCRIPTION:

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

MATERIAL REQUIREMENT:

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 700 Materials, Item §737-01 Geotextiles (Geotextile separation shall meet the requirements of Table 737-01B), 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 for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 48 hours of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

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.

The bidder shall specify the product name that is intended to be supplied.

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT
Geotextile Undercut Separation Fabric	Square Foot (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.

MATERIAL REQUIREMENT:

The material shall meet the requirements of the NYSDOT as identified in section 18.4.2 Geogrids of the NYSDOT Geotechnical Design Manual – Chapter 18.
to any point in Monroe County.

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 Rib 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% Junction 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) 12,330(MD) 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 for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 48 hours of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

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.

The bidder shall specify the product name that is intended to be supplied.

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT
Geogrid Base Reinforcement Material	Square Foot (SF)

ITEM _____ GEOTEXTILE DRAINAGE FABRIC

DESCRIPTION:

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

MATERIAL REQUIREMENT:

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 700 Materials, Item §737-01 Geotextiles (Geotextile drainage shall meet the requirements of Table 737-01C), 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 for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 48 hours of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

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.

The bidder shall specify the product name that is intended to be supplied.

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT
Geotextile Drainage Fabric	Square Foot (SF)
Geotextile Slope Protection - Permanent	Square Foot (SF)

ITEM _____ EROSION CONTROL SILT FENCE

DESCRIPTION:

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

MATERIAL REQUIREMENT:

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 700 Materials, Item §737-01 Geotextiles (Silt fences shall meet the requirements of Table 737-01G), 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 for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 48 hours of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

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.

The bidder shall specify the product name that is intended to be supplied.

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT
Erosion Control Silt Fence	Linear Foot (SF)

ITEM _____ TURBIDITY CURTAIN

DESCRIPTION:

Provide turbidity curtain to any point in Monroe County.

MATERIAL REQUIREMENT:

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 700 Materials, Item §737-01 Geotextiles (Turbidity curtains shall meet the requirements of Table 737-01F), 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 for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 48 hours of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

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.

The bidder shall specify the product name that is intended to be supplied.

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT
Turbidity Curtain	Square Foot (SF)

ITEM _____ SEDIMENT FILTRATION MAT

DESCRIPTION:

Provide erosion control sediment filtration mat to any point in Monroe County.

MATERIAL REQUIREMENT:

Material shall meet the requirements of the Indian Valley Industries, SEDIMAT ®, or approved equal, suitable for filtering sediment-laden stream flows.

METHOD OF MEASUREMENT:

The material shall be measured for payment by the Each (EA.) Mat and shall be 4' by 10' pad of material provided.

BASIS OF BID:

The unit price bid for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 48 hours of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

The bidder shall specify the product name that is intended to be supplied.

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT
Sediment Filtration Mat	Each (Ea.)

ITEM _____ SILT FILTRATION / DEWATERING BAG

DESCRIPTION:

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

MATERIAL REQUIREMENT:

Material shall meet the requirements of the Indian Valley Industries 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 for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 48 hours of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

The bidder shall specify the product name that is intended to be supplied.

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT
Silt Filtration Bag / Dewatering Bag	Each (Ea)

ITEM _____ GEOTEXTILE SLOPE PROTECTION

DESCRIPTION:

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

MATERIAL REQUIREMENT:

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 700 Materials, Item §737-01 Geotextiles (Geotextile slope protection shall meet the requirements of Table 737-01D), latest revision 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 for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 48 hours of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

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.

The bidder shall specify the product name that is intended to be supplied.

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT
Geotextile Slope Protection	Square Foot (SF)

ITEM _____ CENTERLINE DELINEATORS

DESCRIPTION:

Provide Centerline Delineators to any point in Monroe County

MATERIAL REQUIREMENT:

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 700 Materials, Item §727-02 Removable Raised Pavement Markers, latest revision. The following spec is for temporary chip seal markers made by Apex Universal Inc. or approved equal.

The markers body shall be made of yellow or white 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 an Each (Ea.) box quantity totaling 500 units.

The unit price bid for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 14 days of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT
Centerline Delineators (500 ct) - Yellow	Each (Ea.)
Centerline Delineators (500 ct) - White	Each (Ea.)

ITEM _____ PREFABRICATED STEEL ADJUSTMENT RINGS FOR MANHOLES:

DESCRIPTION:

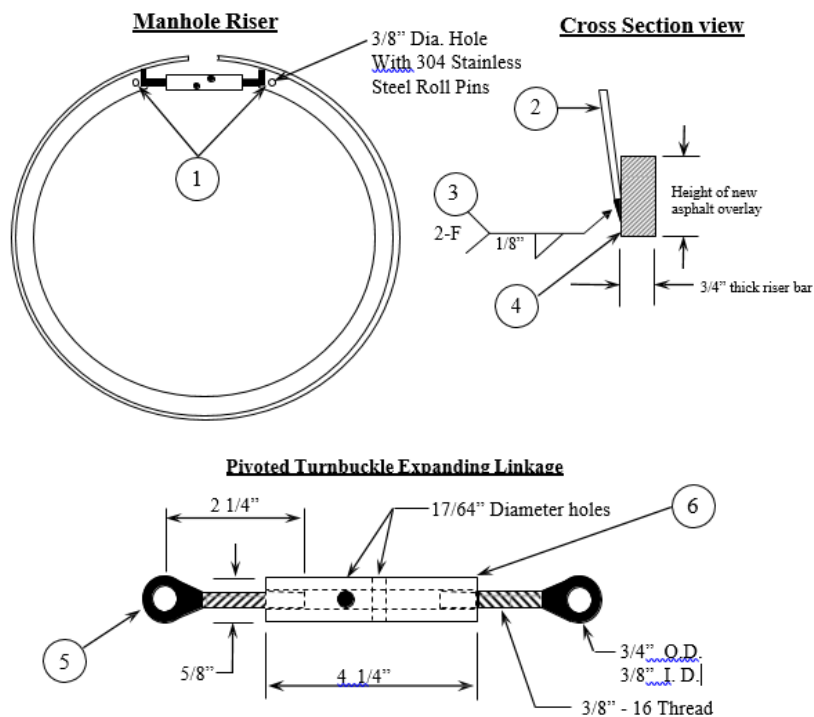
Provide Prefabricated Steel Adjustment Rings for Manholes to any point in Monroe County.

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) or approved equal.

Detail

Pivoted Turnbuckle Manhole Riser



Item Number	Item Description	Material Description	Tensile Yield	Tensile Ultimate
1	3/8" Roll Pins	304 Stainless Steel (14,000 LB Double Shear Strength)		
2	Steel Skirt	12 or 10 gage A.I.S.I. 1020 Steel (A-36) G-90 Galvanized	33,000 P.S.I.	60,000 P.S.I.
3	Weld	Full circumference welded except on clamp area Lincoln Electric .045 71M Elite Outer Shield Flux Cored	75,000 P.S.I.	85,000 P.S.I.
4	3/4" wide Riser Bar	Hot Rolled Steel A.I.S.I. 1020 (A-36)	33,000 P.S.I.	60,000 P.S.I.
5	Rod Ends	Forging A.I.S.I. C-1030 Steel Heat Treated BHN 240 Zinc Plated with Dichromate Finish	70,000 P.S.I.	92,000 P.S.I.
6	Turnbuckle	A.I.S.I. 12L14 Steel Cold Drawn Zinc Plated with Yellow Dichromate Finish dipped in Linebacker rust inhibitor	60,200 P.S.I.	78,300 P.S.I.

ITEM _____ PREFABRICATED STEEL ADJUSTMENT RINGS FOR MANHOLES:**UNIT PRICE BID**

The unit price bid for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 14 days of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

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.

The bidder shall specify the product name that is intended to be supplied.

BASIS OF PAYMENT

Payment will be made under:

<u>STEEL ADJUSTMENT RINGS</u>					
Adjustment Height (Inches)	DIAMETER				
	< 26"	26" – 29.75"	30" – 39.75"	40" - 45"	45.125" - 52"
3/4	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)
1	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)
1 1/4	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)
1 1/2	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)
1 3/4	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)
2	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)
2 1/4	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)
2 1/2	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)
2 3/4	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)
3	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)
3 1/4	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)
3 1/2	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)
4	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)
4 1/2	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)
5	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)
5 1/2	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)	Each (Ea.)

ITEM _____ POLY MANHOLE RISER RINGS

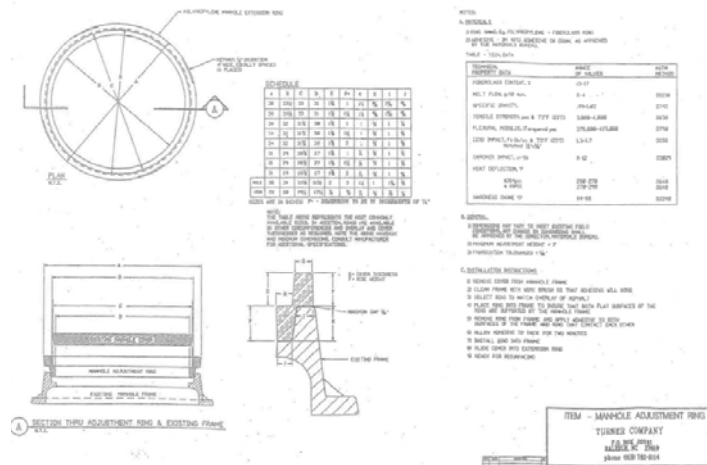
DESCRIPTION:

Provide Poly Manhole Rings to any point in Monroe County.

MATERIAL REQUIREMENT:

Material shall meet the requirements of the Turner Manhole Risers Rings®.

Detail



BASIS OF BID:

The unit price bid for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 14 days of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

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.

The bidder shall specify the product name that is intended to be supplied.

BASIS OF PAYMENT:

Payment will be made under:

POLY MANHOLE RINGS			
Riser Height (Inch)	DIAMETER		
	24" (1 1/2" seat)	26" (1 1/2" seat)	32" (1 3/8" seat)
1	Each (Ea.)	Each (Ea.)	Each (Ea.)
1 1/2	Each (Ea.)	Each (Ea.)	Each (Ea.)
2	Each (Ea.)	Each (Ea.)	Each (Ea.)

ITEM POLYETHYLENE PIPE PRODUCTS BY ADVANCED DRAINAGE SYSTEM (ADS)

DESCRIPTION

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 price bid for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 14 days of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

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.

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

Basis of Award

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

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT	DESCRIPTION	UNIT
Saddle Tee 4x12	Each (Ea)	Clay Adapter 3"	Each (Ea)
Saddle Tee 4x15		Clay Adapter 4"	
Saddle Tee 4x18		Clay Adapter 6"	
Saddle Tee 4x24		Snap T's 4x4	
Saddle Tee 4x30		Snap T's 6x6	
Saddle Tee 4x36		Snap T's 6x4	
Saddle Tee 6x12			
Saddle Tee 6x15			
Saddle Tee 6x18			
Saddle Tee 6x24			
Saddle Tee 6x30			
Saddle Tee 6x36			

ITEM _____ PVC DRAIN BASINS AND COMPONENTS

DESCRIPTION

Provide PVC drain basin and components 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 thermo-molding 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 for each item shall include all costs to furnish and deliver the material to any point in Monroe County within 14 days of receipt of order. Delivery must be made between the hours of 7:30 AM – 2:30 PM Monday – Friday. Excluding Holidays

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.

The bidder shall specify the product name that is intended to be supplied.

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT
12" PVC Drain Basin	Each (Ea.)
12" Cast Iron Frame and Hinged Grate	Each (Ea.)
12" PVC Drain Basin and Cast Iron Frame and Hinged Grate	Each (Ea.)

ITEM _____ ORGANIC SNOW AND ICE CONTROL PRODUCTS

DESCRIPTION:

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

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

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

MATERIAL REQUIREMENT:

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

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

GENERAL CHEMICAL REQUIREMENTS:

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

ITEM _____ ORGANIC SNOW AND ICE CONTROL PRODUCTS

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

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

Chemical Analysis

Bidder shall supply a certified analysis conducted within the last 3 years from an independent laboratory showing compliance with all the above listed requirements **INCLUDING** those listed in the GENERAL CHEMICAL REQUIREMENT section above. Exceptions to the requirements must be stated and the State reserves the right to reject the product.

EQUIPMENT REQUIREMENT

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

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

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

ITEM _____ ORGANIC SNOW AND ICE CONTROL PRODUCTS

BASIS OF PAYMENT:

Payment will be made under:

DESCRIPTION	UNIT
Organic Snow and Ice control liquid (Option A- delivered)	Gallon (Gal.)
Organic Snow and Ice control liquid (Option B delivered and mixed at agency storage facility)	Gallon (Gal.)

ASPHALT PRICE ADJUSTMENT APPENDIX

Description

Price adjustments allowed will be based on the **November 1, 2020 average** of the terminal price per ton of unmodified PG 64-22 binder without anti-stripping agent (base average 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 **November 1, 2020** average terminal price is **\$461/Ton**

NOTE: The same grade of asphalt cement used in establishing the base average terminal price shall be used in establishing the new average 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 terminal **price shall not be recalculated.**

2. 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.
3. The **unit prices per ton of bituminous concrete material** purchased from any award based on this specification will be subject to adjustment based on the following formula:

Price Adjustment (per ton) Asphalt	=	New Monthly Average (per ton) - Base Average Terminal Price	x	Total % Asphalt Plus Fuel Allowance
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4. The **unit prices per square yard of paver placed surface treat ‘Novachip’** material purchased from any award based on this specification will be subject to adjustment based on the following formula:

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

Fiber reinforced Surface treatment Adjustment (per sq. yd.)	=	New Monthly Average (per ton) - Base Average Terminal Price <div style="border-top: 1px solid black; text-align: center; margin-top: 5px;">235</div>	x	Total % Asphalt Plus Fuel Allowance	x	0.40
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6. The **unit prices per gallon of liquid bituminous asphalt emulsions** material purchased from any award based on this specification will be subject to adjustment based on the following formula:

Price adjustment Per Gallon	=	New Monthly Average (per ton) - Base Average Terminal Price <div style="border-top: 1px solid black; text-align: center; margin-top: 5px;">235</div>	x	Total Allowable Asphalt & Fuel Allowance
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ASPHALT PRICE ADJUSTMENT APPENDIX

NEW MONTHLY AVERAGE. TERMINAL PRICE:

The average 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 TERMINAL PRICE:

The average 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 MC1 Binder Course	5.75	1	6.75
6.3 mm F2 Polymer Modified	6.7	1	7.7
Flexible Overlay (Smooth Seal)	7	1	8
Flexible Top	6.2	1	7.2
True & Leveling F9, HMA, (All ESAL)	**	1	*** %
Shim Course F9, HMA, (All ESAL)	8.25	1	9.25
Top Course 9.5 mm F2 HMA, (All ESAL)	6.2	1	7.2
Top Course 12.5 mm F2 HMA, (All ESAL)	5.5	1	6.5
Binder Course 19 mm F9 HMA, (All ESAL)	4.9	1	5.9
Binder Course 25 mm F9 HMA, (All ESAL)	4.5	1	5.5
Base Course 37.5 mm F9 HMA, (< 3 M ESAL's)	4.0	1	5.0
Paver placed surface treatment 'Novachip'	7.00	0	7.00 %
Asphalt Emulsions			
CMS-2	65	12.2	77.2 %
CRS-2	65	3.2	68.2 %
CRS-2p	65	3.2	68.2 %
CSS-1	57	0.2	57.2 %
CSS-1h	57	0.2	57.2 %
RS-2	63	3.2	66.2 %
RS-2p	63	3.2	66.2 %
HFRA	65	5	70%
HFMS-2	65	10.2	75.2 %
HFMS-2gh	75	3	78 %
HFMS-2h	65	3.2	68.2 %
HFRS-2	63	3.2	66.2 %
HFRS-2p	63	3.2	66.2 %
HFMS-2h Tack coat	40	0.2	40.2 %
RS-1h (Rapid breaking tack)	55	0.2	55.2 %
CSS-1h Tack Coat	57	0.2	57.2 %
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 %
MC 30	100	2	102%
DEC 50	25	25	50%

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

ASPHALT PRICE ADJUSTMENT APPENDIX

EXAMPLE: Item Asphalt Hot Top Course 9.5 mm F2 Base Average Price = \$150.00
New Average Price = \$160.00
Total % Asphalt plus Fuel = 6.2%

$$\$160.00 - \$150.00 \times 0.062 = +\$0.62 \text{ per Ton}$$

***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 ton.

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

Monroe County Department of Transportation

2023 Highway Material Group II

BID AWARDS (BASE PRICES) Extension # 2

BP#0102-21

Note: Items highlighted in yellow are from the Highway Materials Group III Contract

BP#0312-21



**HIGHWAY MATERIALS GROUP II
AWARDS**

Asphalt Materials Base Index Price = \$ 461 / Ton (Novemebr 2020)

ITEM	MATERIAL	Unit	Barre Stone - Albion	Heidelberg Materials Northeast-NY LLC - HF	Heidelberg Materials Northeast-NY LLC - McKee Rd	Heidelberg Materials Northeast-NY LLC - Sturford	Innovative Municipal Products (US) Inc - Glennmont NY	Iroquois Rock - Brookport	Iroquois Rock - Henrietta	Keeler Construction	Rochester Asphalt Material - Gates	Rochester Asphalt Material - Poultice	Rochester Asphalt Material - Walworth	Spyglass Materials, Inc. Mt. Morris, NY	Shelby Crushed Stone Medina NY	Unique Paving Materials Corp. Valley Sand & Gravel Caledonia NY
Item 1	Type MC1 Binder Course / County #1 Binder	Ton	\$59.00	\$68.45	\$70.81	\$68.45		\$63.00	\$63.00		\$63.00	\$63.00	\$63.00	\$60.90		
	6.3 mm F2 Polymer Modified, (< 0.3 M ESAL's)	Ton	\$74.00	\$84.96		\$84.96		\$75.00	\$75.00		\$75.00	\$75.00	\$75.00	\$75.60		
	Flexible Overlay (Smooth Seal)	Ton	\$65.50	\$74.34	\$79.06	\$74.34		\$69.00	\$69.00		\$69.00	\$69.00	\$69.00			
	Flexible Top	Ton	\$64.00	\$71.98	\$75.53	\$71.98		\$67.00	\$67.00		\$67.00	\$67.00	\$67.00			
	True & Leveling F9, HMA, (< 0.3 M ESAL's)	Ton	\$65.00	\$74.34	\$79.06	\$74.34		\$69.00	\$69.00		\$69.00	\$69.00	\$69.00	\$66.15		
	Shim Course F9, HMA, (< 0.3 M ESAL's)	Ton	\$76.00	\$84.96	\$88.50	\$84.96		\$74.00	\$74.00		\$74.00	\$74.00	\$74.00	\$78.75		
	Top Course 9.5 mm F2 HMA, (< 0.3 M ESAL's)	Ton	\$65.00	\$61.80	\$79.06	\$74.34		\$69.00	\$69.00		\$69.00	\$69.00	\$69.00	\$66.15		
	Top Course 12.5 mm F2 HMA, (< 0.3 M ESAL's)	Ton	\$63.00	\$71.98	\$75.53	\$71.98		\$66.00	\$66.00		\$66.00	\$66.00	\$66.00	\$65.10		
	Binder Course 19 mm F9 HMA, (< 0.3 M ESAL's)	Ton	\$58.00	\$68.45	\$70.81	\$68.45		\$62.00	\$62.00		\$62.00	\$62.00	\$62.00	\$58.80		
	Binder Course 25 mm F9 HMA, (< 0.3 M ESAL's)	Ton	\$57.00	\$66.09	\$70.81	\$66.09		\$62.00	\$62.00		\$62.00	\$62.00	\$62.00	\$58.80		
	Base Course 37.5 mm F9 HMA, (< 0.3 M ESAL's)	Ton	\$56.00	\$63.73	\$68.45	\$63.73		\$61.00	\$61.00		\$61.00	\$61.00	\$61.00	\$57.75		
Item 02	Plant Mixed Stockpile Patching Material	Ton					\$128.50									
Item 03	Modified Stockpile Patching Materials	Ton	\$125.00	\$141.60		\$244.20	\$128.50	\$125.00	\$125.00		\$125.00	\$125.00	\$125.00		\$122.00	\$125.00
	Modified Stockpile Patching Materials	Pound (Bag)					\$12.50									
Item 04	Reclaimed Asphalt Pavement (RAP)/ Millings 1"	Ton	\$17.00	\$13.57		\$13.57										
	Reclaimed Asphalt Pavement (RAP)/ Millings 9/16"	Ton	\$17.00	\$13.57		\$13.57										
	Reclaimed Asphalt Pavement (RAP)/ Millings 3/8"	Ton	\$17.00													
	Asphalt Millings Credit	Ton	\$4.00					\$4.00	\$4.00		\$4.00	\$4.00	\$4.00			
Item 05	Material Hauling (Asphalt Mix Items) 0 to 1 Mile	Ton		\$5.91	\$5.91	\$5.91		\$6.25	\$6.25	\$3.50	\$6.25	\$6.25	\$6.25	\$3.15		
	Material Hauling (Asphalt Mix Items) >1 Mile	Ton		\$0.59	\$0.59	\$0.59		\$0.80	\$0.80	\$0.45	\$0.80	\$0.80	\$0.80	\$0.47		
Item 06	Bituminous Material (Liquid) Tack Coat (5 gallon Pail)	Each (Ea.)		\$82.60	\$82.60	\$82.60		\$65.00	\$65.00		\$65.00	\$65.00	\$65.00			

Note: The prices below shall be a separate line item on the invoice. The amount shall be the tonnage x the unit cost

Item	Material	Unit	Cost	Vendor / Plant
Item 01 HMA - Add-on	Polymers	Ton	\$6.00	Barre Stone Products / Albion
Item 01 HMA - Add-on	Fibers	Ton	\$12.00	Barre Stone Products / Albion
Item 01 HMA - Add-on	Polymers	Ton	\$8.00	RAM (Gates & Walworth) / Iroquois Rock (Henrietta)
Item 01 HMA - Add-on	Fibers	Ton	\$12.00	RAM (Gates & Walworth) / Iroquois Rock (Henrietta)
Item 01 HMA - Add-on	Polymers	Ton	\$5.03	Heidelberg Materials Northeast-NY LLC
Item 01 HMA - Add-on	Fibers	Ton	\$16.44	Heidelberg Materials Northeast-NY LLC

NOTE: Fibers are available at the select plants as noted. Contact your sales representative to make arrangement for either or both products.

**HIGHWAY MATERIALS GROUP II
AWARDS**

ITEM 07 STONE AGGREGATE (QUARRY)

Item	UNIT	Barre Stone - Albion	Dolomite - Gates	Dolomite - LeRoy	Dolomite - Ogden	Dolomite - Penfield	Dolomite - Watworth	Heidelberg Materials Northeast-NY LLC - Butler	Heidelberg Materials Northeast-NY LLC - Clarendon	Heidelberg Materials Northeast-NY LLC - HF	Heidelberg Materials Northeast-NY LLC - McKee Rd	Heidelberg Materials Northeast-NY LLC - Sci vs. Rd	Heidelberg Materials Northeast-NY LLC - Stafford	Iroquois Rock - Brockport	* Keeler Construction
5/8" Crushed Stone	Ton	\$16.75													
5/8" Crusher Run	Ton	\$10.75	\$18.00	\$12.00		\$15.00	\$13.00	\$15.89	\$15.89	\$15.89	\$22.79	\$22.79	\$15.89		
#1 Crushed Stone	Ton	\$16.75	\$24.00	\$18.00		\$19.00	\$18.00	\$18.59	\$18.59	\$18.59			\$18.59	\$18.00	
#1 Crusher Run	Ton	\$10.50	\$18.00	\$13.00	\$14.50	\$14.50	\$13.00	\$12.89	\$12.89	\$12.89	\$22.79	\$22.79	\$12.89	\$13.00	
#2 Crushed Stone	Ton	\$15.75	\$24.00	\$18.00		\$19.00	\$18.00	\$18.59	\$18.59	\$18.59			\$18.59	\$18.00	
#2 Crusher Run	Ton	\$10.25	\$18.00	\$11.00	\$12.50	\$12.50	\$11.00	\$12.89	\$12.29	\$12.29	\$22.79	\$22.79	\$12.29	\$11.00	
#3 Crusher Run	Ton	\$10.25		\$11.50		\$13.00	\$11.50			\$12.29			\$12.29	\$11.50	
Crushed Stone Screenings	Ton	\$14.50		\$19.00		\$20.00	\$19.00			\$18.59			\$18.59		
#1 Washed Crushed Stone	Ton	\$16.75		\$18.50	\$19.50	\$19.50	\$18.50	\$18.59	\$18.59	\$18.59			\$18.59	\$18.50	
#1A Stone	Ton	\$19.00		\$17.50		\$18.50	\$17.50	\$20.99	\$20.99	\$20.99			\$20.99		
3/8" Washed Stone	Ton	\$16.75		\$19.50			\$19.50	\$20.99		\$20.99			\$20.99		
#1A Washed Stone	Ton	\$19.00		\$19.50	\$20.00	\$20.00	\$19.50	\$20.99	\$20.99	\$20.99			\$20.99		
#1B Stone	Ton	\$16.75		\$19.00		\$19.50	\$19.00	\$20.99	\$20.99	\$20.99			\$20.99		
#1B Washed Stone	Ton	\$16.75			\$18.50		\$18.50	\$20.99	\$20.99	\$20.99			\$20.99		
#1 ST Washed Stone	Ton	\$17.75		\$18.50			\$18.50	\$18.59	\$18.59	\$18.59			\$18.59		
#1 & #2 Stone (Dry)	Ton	\$16.25		\$18.50		\$19.50	\$18.50	\$18.59	\$18.59	\$18.59			\$18.59		
#1 & #2 Stone (Washed)	Ton	\$16.25			\$20.50	\$20.50	\$19.50	\$18.59	\$18.59	\$18.59			\$18.59	\$18.50	
#2 Stone	Ton	\$15.75	\$24.00	\$18.00		\$19.00	\$18.00	\$18.59	\$18.59	\$18.59			\$18.59	\$18.00	
#2 Stone Washed	Ton	\$15.75			\$20.00	\$20.00	\$19.00							\$19.00	
#3 Stone	Ton	\$15.75	\$24.00	\$18.00		\$19.00	\$18.00							\$18.00	
#4 Stone	Ton	\$15.75		\$18.00		\$19.00	\$18.00								
#4A Stone	Ton	\$15.75		\$18.00		\$19.00	\$18.00								
#5 Stone	Ton	\$15.75													
Recycled Concrete	Ton	\$11.50	\$8.25									\$10.19			
Stone Filling (Fine)	Ton	\$16.50		\$18.00		\$19.00	\$18.00	\$21.59	\$21.59	\$21.59			\$21.59		
Stone Filling (Light)	Ton	\$16.50		\$20.00	\$21.00	\$21.00	\$20.00	\$21.59	\$21.59	\$21.59			\$21.59		
Stone Filling (Medium)	Ton	\$19.00		\$24.00	\$28.00	\$28.00	\$24.00	\$26.38	\$26.38	\$26.38			\$26.38		
Stone Filling (Heavy)	Ton	\$38.00		\$33.00	\$33.00	\$33.00	\$33.00	\$29.98	\$29.98	\$29.98			\$29.98		
Rip Rap	Ton	\$80.00		\$40.00	\$40.00	\$40.00	\$40.00	\$41.97	\$41.97	\$41.97			\$41.97		
Plant Mixing of Aggregates	Ton														
Material Hauling (Aggregate Items) 0 to 1 Mile	Ton		\$4.25	\$4.25	\$4.25	\$4.25	\$4.25	\$3.60	\$3.60	\$3.60			\$3.60		\$3.50
Material Hauling (Aggregate Items) >1 Mile	Ton		\$0.45	\$0.45	\$0.45	\$0.45	\$0.45	\$0.36	\$0.36	\$0.36			\$0.36		\$0.45
Material hauling and loading for Stone Filling (Heavy) ONLY (Additional Charge)	Fixed Price / Ton	\$17.00	No Renewal	\$12.00	\$12.00	\$12.00	\$12.00	\$13.68	\$13.68	\$13.68			\$13.68		\$12.00

* Keeler Construction Hauls Material For Barre Stone

Note: For Stone Filling (Heavy) Mileage rate will not apply. Loading and delivery will be at a rate of \$12.00 / Ton

HIGHWAY MATERIALS GROUP II AWARDS

ITEM 07 STONE AGGREGATE (GRAVEL PIT)

ITEM	UNIT	Dolomite - Palmyra NY	Rochester Gravel Products Avon NY	Valley Sand & Gravel Avon NY
5/8" Crushed Stone	TON			
#1 Crushed Stone	TON	\$18.00	\$16.00	
#1 Crusher Run	TON			
#2 Crushed Stone	TON	\$18.00	\$16.00	
#2 Crusher Run	TON			
Crushed Stone Screenings	TON			
#1 Washed Crushed Stone	TON	\$18.00	\$16.00	\$14.25
#1A Stone	TON	\$18.50	\$16.00	
3/8" Washed Stone	TON	\$18.50		\$14.25
#1A Washed Stone	TON	\$17.00	\$16.00	
#1B Stone	TON			
#1B Washed Stone	TON			
#1 ST Washed Stone	TON	No Renewal		
#2 Stone	TON	\$17.00	\$16.00	
#2 Washed Stone	TON	\$18.00	\$16.00	\$14.00
Screened Gravel	TON			\$8.00
Recycled Concrete	TON		\$9.50	
Stone Filling (Fine)	TON			
Stone Filling (Light)	TON			
Material Hauling (Aggregate Items) 0 to 1 Mile	TON	\$4.25	\$6.50	
Material Hauling (Aggregate Items) >1 Mile	TON	\$0.45	\$0.65	

**HIGHWAY MATERIALS GROUP II
AWARDS**

ITEM	MATERIAL	UNIT	Barre Stone Products	Dolomite - Gates	Dolomite - Ogden	Dolomite - Palmyra	Dolomite - Penfield	Iroquois - Brockport	Macedon Landscaping	Morrison Excavating	RM Landscape	Rochester Earth Materials - Henrietta NY	Rochester Gravel Products Avon NY	Taouk Development	Valley Sand & Gravel Avon NY
Item 08	Topsoil - Screened	Ton	\$16.00											\$37.50	
	Topsoil - Screened	Cubic Yard (CY)							\$21.00	\$28.00	\$29.00	\$20.00	\$19.00	\$28.00	
	Topsoil - Unscreened	Ton	\$14.00											\$22.50	
	Topsoil - Uncreened	Cubic Yard (CY)									\$18.00	\$10.00	\$18.00	\$15.00	
Item 09	Fill Dirt Material	Ton	\$6.50		\$7.00								\$7.50	\$7.50	\$5.00
	Fill Dirt Material	Cubic Yard (CY)										\$5.00		\$5.00	
Item 10	Compost Topsoil	Cubic Yard (CY)									\$40.00	\$50.00		\$35.00	
	Compost Topsoil	Ton												\$52.50	
Item 11	Select Structural Fill	Ton	\$10.00									\$15.00	\$9.50	\$15.00	\$8.00
	Select Structural Fill	Cubic Yard (CY)												\$10.00	
Item 12	Mortar Sand	Ton	\$18.00												
	Grout Sand	Ton	\$18.00												
	Concrete Sand	Ton	\$18.50	\$23.00		\$19.00	\$23.00	\$23.00					\$17.50		\$14.50
	Ice Control Sand - Aggregate A	Ton	\$16.00	\$17.00		\$7.00	\$17.00	\$17.00					\$8.25		\$7.00
	Ice Control Sand - Aggregate B	Ton	\$16.00	\$17.00		\$7.00	\$17.00	\$17.00					\$8.25		\$7.00
	Material Hauling (Aggregate Items) 0 to 1 Mile	Ton		\$4.25	\$4.25	\$4.25	\$4.25	\$4.25					\$6.50		
	Material Hauling (Aggregate Items) >1 Mile	Ton		\$0.45	\$0.45	\$0.45	\$0.45	\$0.45					\$0.65		
	Material Hauling (Aggregate Items) 0 to 1 Mile	Cubic Yard (CY)											\$8.50		
	Material Hauling (Aggregate Items) >1 Mile	Cubic Yard (CY)											\$0.85		

* Stored Inside

**HIGHWAY MATERIALS GROUP II
AWARDS**

ITEM	MATERIAL	UNIT	PRODUCT NAME	UNIT PRICE	VENDOR
Item 13	Concrete Mix - 80 # Bag	Each (Ea.)	Quickrete Concrete Mix 1101-80	\$8.55	The Duke Company
	Portland Cement - 94 # Bag	Each (Ea.)	LeHigh Cement	\$20.00	The Duke Company
	Mortar Mix - 80 # Bag		Quickrete Mortor Mix 1102-80	\$9.99	The Duke Company
	Type S Pre Blended Mortar Mix (ASTM C270) - 80 # Bag	Each (Ea.)	Quickrete ODM	\$8.50	JC Smith Inc.
	Super 5000 Concrete Mix - 80 # Bag	Each (Ea.)	Quickrete Q5000	\$7.00	JC Smith Inc.
	Speedcrete RED LINE - 50 # Bag	Each (Ea.)		No-Renewal	
	Speedcrete GREEN LINE - 50 # Bag	Each (Ea.)	SikaQuick 2500 Rapid Set NYSDOT 701.09	\$30.00	The Duke Company
	Speedcrete BLUE LINE - 50 # Bag	Each (Ea.)		\$40.00	The Duke Company
Item 14	Common Sewer Brick -	Each (Ea.)		\$0.52	Miller Brick
	Highway Common Brick HALF HEIGHT	Each (Ea.)		\$0.68	Miller Brick
Item 15	Patio Pavers	Each (Ea.)		No Bid	
Item 16	Surface Applied Detectable Warning Materials	Square Foot (SF)	Access Products	\$13.50	JC Smith Inc.
	Embedded Preformed Detectable Warning Materials	Square Foot (SF)	Access Products	\$13.00	JC Smith Inc.
	Detectable Warning Paver Brick	Square Foot (SF)			
Item 17	656-2 Calcium Chloride - 50 # bag	Each (Ea.)		\$22.98	The Duke Company
	656-2 Calcium Chloride - Delivery Cost (if less than Pallett)	Each (Ea.)		\$50.00	The Duke Company
	656-2 Calcium Chloride (50# Bag cost / Pallet)	Each (Ea.)		\$22.00	The Duke Company
Item 18	Polyethylene Snow Fence (100' Roll)	Each (Ea.)		No Bid	
Item 19	Plastic Safety Fence (50' Roll)	Each (Ea.)	Orange Fence	\$21.00	JC Smith Inc.
Item 20	Wood Snow Fence (50' Roll)	Each (Ea.)		No-Renewal	
Item 21	Green Channel Post	Each (Ea.)		No Bid	
Item 22	Traffic Sign Post (Square Tubing) 1 3/4" x 1 3/4" x 10'	Each (Ea.)		\$45.57	Crossroads Highway Supply
	Traffic Sign Post (Square Tubing) 2" x 2" x 10'	Each (Ea.)	Telespar	\$52.76	Eberl Iron Works, Inc.
	Traffic Sign Post (Square Tubing 2 1/4" x 2 1/4" x 3'	Each (Ea.)	Telespar	\$18.22	Eberl Iron Works, Inc.
Item 23	Steel Snow Fence Post	Each (Ea.)	6' Fence Post	\$8.50	JC Smith Inc.

HIGHWAY MATERIALS GROUP II AWARDS

ITEM 24 ALUMINUM SIGN BLANKS

<u>SIGN BLANK</u>	<u>THICKNESS</u> Inches	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>VENDOR</u>
Aluminum Sign Blank – 8" X 24" (2 holes)	0.063	Each (Ea.)	\$5.58	US Standard Signs
Aluminum Sign Blank – 8" X 24" (0 holes)	0.063	Each (Ea.)	\$4.68	US Standard Signs
Aluminum Sign Blank – 8" X 24" (4 holes)	0.063	Each (Ea.)	\$5.58	US Standard Signs
Aluminum Sign Blank - 8" X 30" (0 holes)	0.063	Each (Ea.)	\$5.80	US Standard Signs
Aluminum Sign Blank - 8" X 30" (2 holes)	0.063	Each (Ea.)	\$6.25	US Standard Signs
Aluminum Sign Blank - 8" X 30" (4 holes)	0.063	Each (Ea.)	\$6.70	US Standard Signs
Aluminum Sign Blank – 30" Octagon (2 holes)	0.080	Each (Ea.)	\$27.00	US Standard Signs
Aluminum Sign Blank – 36" Octagon (2 holes)	0.080	Each (Ea.)	\$38.61	US Standard Signs
Aluminum Sign Blank - 12" X 24" (2 holes)	0.080	Each (Ea.)	\$8.26	US Standard Signs
Aluminum Sign Blank – 12" x 30" (2 holes)	0.080	Each (Ea.)	\$10.26	US Standard Signs
Aluminum Sign Blank – 18" X 18" (4 holes)	0.080	Each (Ea.)	\$9.59	US Standard Signs
Aluminum Sign Blank – 24" X 24" (4 holes)	0.080	Each (Ea.)	\$16.52	US Standard Signs
Aluminum Sign Blank – 24" X 30" (2 holes)	0.080	Each (Ea.)	\$20.09	US Standard Signs
Aluminum Sign Blank – 24" X 36" (2 holes)	0.080	Each (Ea.)	\$23.98	US Standard Signs
Aluminum Sign Blank – 30" X 36" (4 holes)	0.080	Each (Ea.)	\$30.13	US Standard Signs
Aluminum Sign Blank – 30" X 30" (4 holes)	0.080	Each (Ea.)	\$25.22	US Standard Signs
Aluminum Sign Blank – 36" X 36" (4 holes)	0.080	Each (Ea.)	\$36.16	US Standard Signs
Aluminum Sign Blank – 12" X 36" (4 holes)	0.080	Each (Ea.)	\$12.49	US Standard Signs
Aluminum Sign Blank – 18" X 36" (4 holes)	0.080	Each (Ea.)	\$19.64	US Standard Signs
Aluminum Sign Blank – 12" X 36" (0 holes)	0.080	Each (Ea.)	\$11.92	US Standard Signs
Aluminum Sign Blank – 12" X 42" (0 holes)	0.080	Each (Ea.)	\$25.45	US Standard Signs
Aluminum Sign Blank – 12" X 48" (0 holes)	0.080	Each (Ea.)	\$15.62	US Standard Signs
Aluminum Sign Blank – 12" X 54" (0 holes)	0.080	Each (Ea.)	\$17.64	US Standard Signs
Aluminum Sign Blank – 12" X 60" (0 holes)	0.080	Each (Ea.)	\$19.42	US Standard Signs
Aluminum Sign Blank – 12" X 72" (0 holes)	0.080	Each (Ea.)	\$23.44	US Standard Signs
Aluminum Sign Blank – 24" X 48" (6 holes)	0.080	Each (Ea.)	\$32.58	US Standard Signs

**HIGHWAY MATERIALS GROUP II
AWARDS**

ITEM	MATERIAL	UNIT	PRODUCT NAME	UNIT PRICE	VENDOR
Item 25	Geotextile Bedding Fabric	Square Foot (SF)	Willacoochee 2199	\$0.2500	JC Smith Inc.
Item 26	Geotextile Undercut Separation Fabric	Square Foot (SF)		No Renewal	
				\$0.0720	Crossroads Highway Materials
			Willacoochee 315W	\$0.0800	JC Smith Inc.
Item 27	Biaxial Geogrid Reinforcement Material	Square Foot (SF)		\$0.0122	Crossroads Highway Materials
Item 28	Geotextile Drainage Fabric	Square Foot (SF)		No Renewal	
	Geotextile Drainage Fabric - Permanent	Square Foot (SF)		No Renewal	
Item 29	Erosion Control Silt Fence (Roll)	Square Foot (SF)		No Renewal	
Item 30	Turbidity Curtain	Square Foot (SF)		No Bid	
Item 31	Sediment Filtration Mat	Each (Ea.)		No Bid	
Item 32	Silt Filtration Dewatering Bag	Each (Ea.)	6' x 15' Indian Valley	\$100.0000	JC Smith Inc.
		Each (Ea.)	10' x 15'	\$76.2500	Crossroads Highway Materials
		Each (Ea.)	15' x 15'	\$97.5000	Crossroads Highway Materials
Item 33	Geotextile Slope Protection	Square Foot (SF)		\$0.1200	Crossroads Highway Materials
Item 34	Centerline Delineators (500 ct) - Yellow	Each (Ea.)		\$495	Crossroads Highway Materials
	Centerline Delineators (500 ct) - White	Each (Ea.)		\$495	Crossroads Highway Materials

**HIGHWAY MATERIALS GROUP II
AWARDS**

ITEM	MATERIAL					UNIT
Item 35	Prefabricated Adjustment Rings For Manholes (Metal)					Each (Ea.)

Adjutment Height (Inches)	< 26"		26" - 29 3/4" Dia.	VENDOR	30" - 35 3/4" Dia.	VENDOR
3/4	\$102.15	Crossroads Highway Supply	\$108.56	Crossroads Highway Supply	\$114.97	Crossroads Highway Supply
1	\$102.15	Crossroads Highway Supply	\$108.56	Crossroads Highway Supply	\$114.97	Crossroads Highway Supply
1 1/4	\$103.76	Crossroads Highway Supply	\$110.17	Crossroads Highway Supply	\$116.58	Crossroads Highway Supply
1 1/2	\$105.36	Crossroads Highway Supply	\$111.77	Crossroads Highway Supply	\$118.18	Crossroads Highway Supply
1 3/4	\$106.96	Crossroads Highway Supply	\$113.37	Crossroads Highway Supply	\$119.78	Crossroads Highway Supply
2	\$108.56	Crossroads Highway Supply	\$114.97	Crossroads Highway Supply	\$121.38	Crossroads Highway Supply
2 1/4	\$110.81	Crossroads Highway Supply	\$117.22	Crossroads Highway Supply	\$123.63	Crossroads Highway Supply
2 1/2	\$113.05	Crossroads Highway Supply	\$119.46	Crossroads Highway Supply	\$125.87	Crossroads Highway Supply
2 3/4	\$116.58	Crossroads Highway Supply	\$122.99	Crossroads Highway Supply	\$129.40	Crossroads Highway Supply
3	\$121.38	Crossroads Highway Supply	\$127.79	Crossroads Highway Supply	\$134.21	Crossroads Highway Supply
3 1/4	\$123.63	Crossroads Highway Supply	\$130.04	Crossroads Highway Supply	\$136.45	Crossroads Highway Supply
3 1/2	\$128.44	Crossroads Highway Supply	\$134.85	Crossroads Highway Supply	\$141.26	Crossroads Highway Supply
4	\$140.62	Crossroads Highway Supply	\$147.03	Crossroads Highway Supply	\$153.44	Crossroads Highway Supply
4 1/2	\$145.10	Crossroads Highway Supply	\$151.51	Crossroads Highway Supply	\$157.92	Crossroads Highway Supply
5	\$154.72	Crossroads Highway Supply	\$161.13	Crossroads Highway Supply	\$167.54	Crossroads Highway Supply
5 1/2	\$189.21	Crossroads Highway Supply	\$165.62	Crossroads Highway Supply	\$172.03	Crossroads Highway Supply

Adjutment Height (Inches)	36" - 39 3/4" Dia.	VENDOR	40" - 45" Dia.	VENDOR	45 1/8" - 52" Dia.	VENDOR
3/4	\$121.38	Crossroads Highway Supply	\$159.85	Crossroads Highway Supply	\$208.56	Crossroads Highway Supply
1	\$121.38	Crossroads Highway Supply	\$159.85	Crossroads Highway Supply	\$208.56	Crossroads Highway Supply
1 1/4	\$125.55	Crossroads Highway Supply	\$167.22	Crossroads Highway Supply	\$215.94	Crossroads Highway Supply
1 1/2	\$131.00	Crossroads Highway Supply	\$168.18	Crossroads Highway Supply	\$216.90	Crossroads Highway Supply
1 3/4	\$133.24	Crossroads Highway Supply	\$171.71	Crossroads Highway Supply	\$220.42	Crossroads Highway Supply
2	\$135.49	Crossroads Highway Supply	\$176.51	Crossroads Highway Supply	\$223.23	Crossroads Highway Supply
2 1/4	\$139.01	Crossroads Highway Supply	\$183.88	Crossroads Highway Supply	\$232.60	Crossroads Highway Supply
2 1/2	\$145.10	Crossroads Highway Supply	\$191.26	Crossroads Highway Supply	\$239.97	Crossroads Highway Supply
2 3/4	\$147.35	Crossroads Highway Supply	\$198.63	Crossroads Highway Supply	\$247.35	Crossroads Highway Supply
3	\$149.59	Crossroads Highway Supply	\$206.00	Crossroads Highway Supply	\$254.72	Crossroads Highway Supply
3 1/4	\$153.12	Crossroads Highway Supply	\$213.37	Crossroads Highway Supply	\$262.09	Crossroads Highway Supply
3 1/2	\$159.21	Crossroads Highway Supply	\$220.00	Chemung Supply Corp.	No Renewal	Crossroads Highway Supply
4	\$166.26	Crossroads Highway Supply	\$225.00	Chemung Supply Corp.	No Renewal	Crossroads Highway Supply
4 1/2	\$172.03	Crossroads Highway Supply	\$230.00	Chemung Supply Corp.	No Renewal	Crossroads Highway Supply
5	\$181.64	Crossroads Highway Supply	\$240.00	Chemung Supply Corp.	No Renewal	Crossroads Highway Supply
5 1/2	\$186.13	Crossroads Highway Supply	\$251.51	Crossroads Highway Supply	\$300.23	Crossroads Highway Supply

**HIGHWAY MATERIALS GROUP II
AWARDS**

ITEM	MATERIAL	UNIT	UNIT PRICE	VENDOR
Item 36	Prefabricated Adjustment Rings For Manholes 1.5" Seat (Plastic) 24" Dia x 1" Riser	Each (Ea.)	No Renewal	
	Prefabricated Adjustment Rings For Manholes 1.5" Seat (Plastic) 24" Dia x 1.5" Riser	Each (Ea.)	\$115.00	Crossroads Highway Supply
	Prefabricated Adjustment Rings For Manholes 1.5" Seat (Plastic) 24" Dia x 2" Riser		\$115.00	Crossroads Highway Supply
	Prefabricated Adjustment Rings For Manholes 1.5" Seat (Plastic) 26" Dia x 1" Riser	Each (Ea.)	No Renewal	
	Prefabricated Adjustment Rings For Manholes 1.5" Seat (Plastic) 26" Dia x 1.5" Riser	Each (Ea.)	\$115.00	Crossroads Highway Supply
	Prefabricated Adjustment Rings For Manholes 1.5" Seat (Plastic) 26" Dia x 2" Riser	Each (Ea.)	\$115.00	Crossroads Highway Supply
	Prefabricated Adjustment Rings For Manholes 1.5" Seat (Plastic) 32" Dia x 1" Riser	Each (Ea.)	No Renewal	
	Prefabricated Adjustment Rings For Manholes 1.5" Seat (Plastic) 32" Dia x 1.5" Riser	Each (Ea.)	\$148.00	Crossroads Highway Supply
	Prefabricated Adjustment Rings For Manholes 1.5" Seat (Plastic) 32" Dia x 2" Riser	Each (Ea.)	\$148.00	Crossroads Highway Supply
Item 37	Saddle Tee 4x12	Each (Ea.)	No Renewal	
	Saddle Tee 4x15	Each (Ea.)	No Renewal	
	Saddle Tee 4x18	Each (Ea.)	No Renewal	
	Saddle Tee 4x24	Each (Ea.)	No Renewal	
	Saddle Tee 4x30	Each (Ea.)	No Renewal	
	Saddle Tee 4x36	Each (Ea.)	No Renewal	
	Saddle Tee 6x12	Each (Ea.)	No Renewal	
	Saddle Tee 6x15	Each (Ea.)	No Renewal	
	Saddle Tee 6x18	Each (Ea.)	No Renewal	
	Saddle Tee 6x24	Each (Ea.)	No Renewal	
	Saddle Tee 6x30	Each (Ea.)	No Renewal	
	Saddle Tee 6x36	Each (Ea.)	No Renewal	
	Clay Adapter 3"	Each (Ea.)	No Bid	
	Clay Adapter 4"	Each (Ea.)	No Bid	
	Clay Adapter 6"	Each (Ea.)	No Bid	
	Snap T's 4X4	Each (Ea.)	No Renewal	
	Snap T's 6X6	Each (Ea.)	No Renewal	
	Snap T's 6X4	Each (Ea.)	No Renewal	
Item 38	12" PVC Drain Basin	Each (Ea.)	No Renewal	
	12" Cast Iron Frame and Hinged Grate	Each (Ea.)	No Renewal	
	12" PVC Drain Basin and Cast Iron Frame and Hinged Grate	Each (Ea.)	No Renewal	

HIGHWAY MATERIALS GROUP II AWARDS

ITEM 39 ORGANIC BASED SNOW AND ICE PRODUCTS

OPTION A - Product Furnished and Delivered

ITEM	PRODUCT COLOR	% BLEND of Product (w/ Chloride Liquid)	CHLORIDE LIQUID TYPE	UNIT	UNIT PRICE	VENDOR
Magic Minus Zero	Brown		Magnesium	Gallon	\$1.63	Innovative Municipal Products (US) Inc.
PROMELT ULTRA 2000 INH	Blue	80% Chloride 20% Corn Syrup	Magnesium	Gallon	\$1.73	Innovative Municipal Products (US) Inc.
PROMELT MAG 26 INH	Clear	26 % Chloride	Magnesium	Gallon	\$1.30	Innovative Municipal Products (US) Inc.
Ice Ban 7/93	Black	93%	Calcium	Gallon	\$1.15	Millennium Roads, LLC
Ice Ban 30/70	Black	70%	Calcium	Gallon	\$1.15	Millennium Roads, LLC
Ice Ban 75/25	Black	25%	Calcium	Gallon	\$1.15	Millennium Roads, LLC

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
Ice Ban 30/70	Black	70%	Calcium	Gallon	\$1.30	Millennium Roads, LLC
Ice Ban 7/93	Black	93%	Calcium	Gallon	\$1.30	Millennium Roads, LLC
Ice Ban 75/25	Black	25%	Calcium	Gallon	\$1.30	Millennium Roads, LLC