



CONTRACT DATA SHEET

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

TITLE: Highway Materials – Group II

CONTRACT #: 0302-06

CONTRACT DATES: 4/1/06-3/31/07

BUYER: John Burke
PHONE: 585/753-1122
FAX: 585/753-1104

VENDOR(S): various

TERMS AND CONDITIONS

- BID ITEM:** HIGHWAY MATERIALS – GROUP II
- FOR:** Department of Transportation
- DEPARTMENT CONTACT:** Tim Frelier, (585) 760-7731
- DUPLICATE COPIES:** PLEASE SUBMIT YOUR BID IN DUPLICATE; THE ORIGINAL AND ONE (1) COPY.
- BID INFORMATION:** At the time of bid, the bidder shall supply detailed specifications covering the item(s) contained herein and shall clearly indicate any areas in which item or items offered do not fully comply with the specifications contained herein.
- SUBMITTAL OF FORMAL PROPOSAL:** Bid proposal must be legible and submitted in the original form, bearing an original signature. **COPIES AND FACSIMILES ARE NOT ACCEPTABLE.**
- All bidders must submit proof that they have obtained the required **Worker's Compensation** and **disability benefits** coverage or proof that they are exempt.
- SPECIFICATION ALTERATIONS:** Specifications will be construed to be complete and be considered the entire description of the goods or services upon which Monroe County is now seeking bids. **Only formal written addenda can materially alter this set of specifications.** No verbal statement made by a Monroe County employee or anyone else is binding nor shall such statement be considered an official part of this public bid proposal.
- QUANTITIES:** The quantities listed are the estimated annual requirements and should not be construed to represent either maximum or minimum quantities to be ordered during the contract term. **Estimates are based upon actual annual usage for 2005 by County departments only.**
- BRAND REFERENCE:** References to a manufacturer's product by brand name or number are done solely to establish the minimum quality and performance characteristics required. Bidders may submit bids on alternates, but must attach two (2) copies of manufacturer specifications for any alternate at the time of the bid. Further, the bidder must demonstrate that the alternate proposed has a sufficient operating track record to show the equipment will perform per the specified brand. The acceptance of a bidder's alternate rests solely with Monroe County.

QUALIFIED BIDDER:

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

METHOD OF AWARD:

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

CONTRACT TERM:

Contract will start with the date of the contract award and run through **March 31, 2007**, with the option to renew the contract up to four (4) additional twelve (12) month periods with the mutual consent of both parties.

PRICE CHANGES:

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

MINIMUM ORDER:

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

DELIVERY:

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

PURCHASE ORDER ISSUANCE:

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

BILLING
PROCEDURE:

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

WARRANTY/
GUARANTEE:

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

UNCONTEMPLATED
PURCHASES:

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

SUBCONTRACT:

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

RELATED ITEMS:

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

REPORT OF
PURCHASE:

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

WAGE RATES:

Contractor agrees to comply with the provisions of the New York State Labor Law relating to the payment of prevailing wage rates to the extent that such rules may be applicable to the Contractor. Wage rates may be obtained at www.labor.state.ny.us.

SECURITIES AND INSURANCE:

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

COMPLIANCE WITH THE LAW:

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

OTHER AGENCIES:

The Contractor(s) must honor the prices, terms and conditions of this contract with political subdivisions, school districts, fire districts or other district or public authority located entirely or partly within Monroe County. Usage of this contract by any of these other political subdivisions or agencies or corporations will have to be coordinated between that subdivision or agency or corporations and the contractor. Orders placed against this contract between any subdivision or agency or corporation will be contracts solely between the Contractor(s) and those entities. Monroe County will not be responsible for, nor will it have any liability or other obligation for, such contract between the Contractor(s) and any third party.

INDEMNIFICATION:

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

MONROE COUNTY PURCHASING
Vendor Performance Survey

Contract Title:

Contract Number:

Vendor:

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

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

Survey Completed by:

Name:

Title:

Agency:

Telephone: _____ **Fax:**

E-mail:

Please submit this survey to Monroe County Purchasing.

ITEM _____ ASPHALT CONCRETE HOT MIX COURSES

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

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

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

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

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

ITEM _____ ASPHALT CONCRETE HOT MIX COURSES

ASPHALT PRICE ADJUSTMENTS:

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

BASIS OF AWARD:

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

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

QUALIFICATION OF BIDDER:

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

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

METHOD OF MEASUREMENT:

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

ITEM _____ ASPHALT CONCRETE HOT MIX COURSES

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

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

BASIS OF PAYMENT:

The bid price will be for material by the English ton

Payment will be made under:

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

ITEM _____ PLANT MIXED ASPHALT PATCHING MATERIAL

DESCRIPTION:

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

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

MATERIAL REQUIREMENT:

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

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

Deleted: <#>Polymer Fiber Materials - A polymer fiber material, approved by the Associate Engineer - Highways, 1/4 inch (nominal) long, shall be incorporated into the mix, at the mixing plant, in quantities noted in the Table Of Composition following.¶

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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.

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ITEM _____ PLANT MIXED ASPHALT PATCHING MATERIAL

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

Deleted: the **NYS DOT Regional Office**
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 Deleted: **Director, Materials Bureau**

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

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

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

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

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

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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

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ITEM _____ PLANT MIXED ASPHALT PATCHING MATERIAL

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

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

METHOD OF MEASUREMENT:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Item Description	Pay Unit
	Plant Mixed Asphalt Patching Material	Ton

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ITEM _____ MODIFIED PLANT MIXED ASPHALT PATCHING MATERIAL

DESCRIPTION:

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

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

MATERIAL REQUIREMENT:

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

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

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

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ITEM _____ MODIFIED PLANT MIXED ASPHALT PATCHING MATERIAL

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

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

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

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

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

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

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

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

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

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ITEM _____ MODIFIED PLANT MIXED ASPHALT PATCHING MATERIAL

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

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

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Deleted: Department

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

STRIPPING TEST:

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

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

METHOD OF MEASUREMENT:

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

BASIS OF PAYMENT:

Payment will be made under:

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

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ITEM _____ RECRUSHED ASPHALT MILLINGS & ASPHALT MILLINGS CREDIT

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

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

BASIS OF PAYMENT:

Payment will be made under:

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

ITEM _____ MATERIAL HAULING

DESCRIPTION:

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

MATERIAL REQUIREMENT:

None specified.

METHOD OF MEASUREMENT:

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

BASIS OF BID:

- A. The 0 to 1 mile price will be the bid price (per ton or cubic yard)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 cubic yard) 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 or one cubic yard of material the total number of miles (one way).

BASIS OF PAYMENT:

Payment will be made under:

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

ITEM _____ BITUMINOUS MATERIAL (LIQUID) TACK COAT IN FIVE (5) GALLON METAL PAILS:

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

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

METHOD OF MEASUREMENT:

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

BASIS OF PAYMENT:

Payment will be made under:

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

ITEM _____ PAVER RENTAL

DESCRIPTION:

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

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

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

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

METHOD OF MEASUREMENT:

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

BASIS OF PAYMENT:

Payment will be made under:

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

ITEM _____ PAVER OPERATOR:

DESCRIPTION:

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

MATERIAL REQUIREMENT:

None.

METHOD OF MEASUREMENT:

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

BASIS OF PAYMENT:

Payment will be made under:

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

ITEM _____ SCREEDMAN:

DESCRIPTION:

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

MATERIAL REQUIREMENT:

None.

METHOD OF MEASUREMENT:

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

BASIS OF PAYMENT:

Payment will be made under:

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

ITEM _____ HEAVY LABORER:

DESCRIPTION:

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

MATERIAL REQUIREMENT:

None.

METHOD OF MEASUREMENT:

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

BASIS OF PAYMENT:

Payment will be made under:

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

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

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

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

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

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

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

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

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

BASIS OF PAYMENT:

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

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

**ITEM _ - PRETREATING OF SURFACE TREATMENT AGGREGATE (A)
(Pugmill & Liquid Asphalt)**

DESCRIPTION:

The work shall consist of pretreating surface treatment aggregate by blending liquid bituminous material with the stockpile aggregate through a twin shaft portable mixing plant.

MATERIAL REQUIREMENT:

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 700, latest revision. Bituminous material for precoating shall meet the requirements of NYSDOT Section 702-90 Asphalt Emulsion Tackcoat, or Dilute Asphalt Cutback Emulsion.

CONSTRUCTION DETAILS:

Weather Limitations: This work will not be permitted when the temperature is below 45 deg. F.

Equipment For Mixing: All the equipment for this work shall be subject to approval of the contracting agency at all times. No work will be permitted until all equipment and the processing facilities are established, inspected and approved.

Mixing shall be done with a rotating twin shaft pugmill, providing suitable pressure-kneading action in mixing. Mixing by blading, shoveling and/or scooping will not be permitted.

The mixer shall be a continuous type pugmill, designed to accurately proportion either by volume or by weight, so that when the granular material and bituminous material are incorporated in the mix, a thorough and uniform blend will result. The pugmill mixer shall be provided with weighing volumetric or other gaging equipment which shall be capable of providing accurate control at all times of the amount of granular material entering the mixer. The mixer shall be equipped to mechanically interlock the bituminous feed with the granular material feed, such that uniformity of the mixture is assured at all times. The mixer shall be equipped with a positive displacement meter for totalizing the quantity of bituminous material applied to the accuracy of the positive displacement meter.

Mixing: The proportion of bituminous material that shall be mixed with the granular material will range between one and two gallons per ton.

After the granular material and bituminous material have been introduced into the pugmill, the mixing shall continue for a length of time necessary to uniformly blend the materials and obtain a homogeneous mixture.

METHOD OF MEASUREMENT:

The quantity of bituminous material to be measured by the Gallon.

**ITEM _ - PRETREATING OF SURFACE TREATMENT AGGREGATE (A)
(Pugmill & Liquid Asphalt)**

BASIS OF BID:

The unit price bid per Gallon shall include the cost of furnishing and operating the portable mixing plant, including bituminous material necessary to complete the work. The material shall be available within 5 days notice from the County. Aggregate shall be supplied by the municipality.

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Item Description	Pay Unit
	Pretreating Surface Treatment Aggregate (A) #1 Stone	Gallon
	Pretreating Surface Treatment Aggregate (A) #1A Stone	Gallon
	Pretreating Surface Treatment Aggregate (A) #1ST Stone	Gallon

**ITEM _____ - PRETREATING OF SURFACE TREATMENT AGGREGATE (B)
(Pugmill, Liquid Asphalt & Aggregate):**

DESCRIPTION:

The work shall consist of pretreating surface treatment aggregate by blending liquid bituminous material with the stockpile aggregate through a twin shaft portable mixing plant.

MATERIAL REQUIREMENT:

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 700, latest revision. Bituminous material for precoating shall meet the requirements of NYSDOT Section 702-90 Asphalt Emulsion Tackcoat, or Dilute Asphalt Cutback Emulsion. Aggregate for pre-treatment shall conform to the requirements of NYSDOT Section 703.02 "Course Aggregates".

CONSTRUCTION DETAILS:

Weather Limitations: This work will not be permitted when the temperature is below 45 deg. F.

Equipment For Mixing: All the equipment for this work shall be subject to approval of the contracting agency at all times. No work will be permitted until all equipment and the processing facilities are established, inspected and approved.

Mixing shall be done with a rotating twin shaft pugmill, providing suitable pressure-kneading action in mixing. Mixing by blading, shoveling and/or scooping will not be permitted.

The mixer shall be a continuous type pugmill, designed to accurately proportion either by volume or by weight, so that when the granular material and bituminous material are incorporated in the mix, a thorough and uniform blend will result. The pugmill mixer shall be provided with weighing volumetric or other gaging equipment which shall be capable of providing accurate control at all times of the amount of granular material entering the mixer. The mixer shall be equipped to mechanically interlock the bituminous feed with the granular material feed, such that uniformity of the mixture is assured at all times. The mixer shall be equipped with a positive displacement meter for totalizing the quantity of bituminous material applied to the accuracy of the positive displacement meter.

Mixing: The proportion of bituminous material that shall be mixed with the granular material will range between one and two gallons per ton.

After the granular material and bituminous material have been introduced into the pugmill, the mixing shall continue for a length of time necessary to uniformly blend the materials and obtain a homogeneous mixture.

METHOD OF MEASUREMENT:

The quantity of bituminous material to be measured by the English Ton.

**ITEM _____ - PRETREATING OF SURFACE TREATMENT AGGREGATE (B)
(Pugmill, Liquid Asphalt & Aggregate):**

BASIS OF BID:

The unit price bid per English Ton, for #1, #1A and #1ST stone, shall include the cost of liquid asphalt, pugmil and the aggregate, plus any associated logistics to Pretreat Surface Treatment Aggregate in Monroe County. Bidder must provide the treated aggregate at all of it's plant locations. The material shall be available within 5 days notice from the County.

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Item Description	Pay Unit
	Pretreating Surface Treatment Aggregate (B) #1 Stone	Ton
	Pretreating Surface Treatment Aggregate (B) #1A Stone	Ton
	Pretreating Surface Treatment Aggregate (B) #1ST Stone	Ton

ITEM _____ CONCRETE FOR STRUCTURES

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

BASIS OF AWARD:

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

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

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

METHOD OF MEASUREMENT:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Item Description	Pay Unit
	Concrete for Structures Class A	CY
	Concrete for Structures Class D	CY

ITEM _____ CONCRETE GROUTING MATERIAL:

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

BASIS OF AWARD:

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

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

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

METHOD OF MEASUREMENT:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Item Description	Pay Unit
	Concrete Grouting Material	CY

ITEM _____ CONTROLLED LOW STRENGTH MATERIAL:

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

BASIS OF AWARD:

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

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

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

METHOD OF MEASUREMENT:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Item Description	Pay Unit
	Controlled Low Strength Material	CY

ITEM _____ FLOWABLE FILL (PURE WATERS BLEND)

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

Water - Potable.

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

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

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

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

85# Portland Cement ASTM C-150.

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

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

Compressive strength 50 - 150 PSI @ 28 days.

CONSTRUCTION DETAILS:

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

ITEM _____ FLOWABLE FILL (PURE WATERS BLEND)

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

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

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

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

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

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

METHOD OF MEASUREMENT:

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

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

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

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Item Description	Pay Unit
	Flowable Fill (Pure Waters Blend)	CY

ITEM _____ TOPSOIL

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

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

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Topsoil	Ton
	Topsoil	CY

ITEM _____ FILL DIRT MATERIAL

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

The county requests bids for each material designated as follows:

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

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Item Description	Pay Unit
	Fill Dirt Material	Ton
	Fill Dirt Material	CY

ITEM _____ COMPOST TOPSOIL

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

The following is an ideal mixture:

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

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

The material shall meet the following criterion:

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

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

METHOD OF MEASUREMENT:

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

ITEM _____ COMPOST TOPSOIL

BASIS OF BID:

The county requests bids for each material designated as follows:

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

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Item Description	Pay Unit
	Compost Topsoil	Ton
	Compost Topsoil	CY

ITEM _____ SELECT STRUCTURAL FILL MATERIAL:

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

The county requests bids for each material designated as follows:

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

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Item Description	Pay Unit
	Select Structural Fill	Ton
	Select Structural Fill	CY

ITEM _____ SAND MATERIAL:

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

The county requests bids for each material designated as follows:

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

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Item Description	Pay Unit
	Mortar Sand	Ton
	Mortar Sand	CY
	Grout Sand	Ton
	Grout Sand	CY
	Concrete Sand	Ton
	Concrete Sand	CY

ITEM _____ MASONRY ITEMS

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

Material shall be measured for payment as follows:

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

A pallet for bricks shall total 1050 units. And and a half pallet shall total 5225 units.

BASIS OF BID:

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

ITEM _____ MASONRY ITEMS

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Common Brick – Full Height	Full or Half Pallett
	Common Brick – Half Height	Full or Half Pallett
	Mortar Mix - 80 # Bag	Bag
	Concrete Mix – 80 # Bag	Bag
	Portland Cement - 94# Bag	Bag
	Black Beauty – 100 # Bag	Bag

ITEM _____ COMMON SEWER BRICK

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

The unit price bid solicited is per pallet and half pallet pricing F.O.B. at any point in Monroe County. A pallet is 1050 bricks and and half pallet is 525 bricks.

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Common Sewer Brick	Pallet
	Common Sewer Brick	Half pallet

ITEM _____ PATIO PAVERS

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Patio Pavers	Each

ITEM _____ GRASS SEED HIGHWAY BLEND

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

Grass seed shall meet the requirements below:

NAME	% PER LB.
Pennifine Perennial Rye	50 %
Pennlawn Red Fescue	25%
Kentucky Bluegrass	15 %
Creeping Red Fescue	10 %

METHOD OF MEASUREMENT:

The quantity of material to be paid for will be measured by the pound. Item shall be ready for pickup or delivery within 24 hours of order.

BASIS OF BID:

The unit price bid solicited is per pound in 50 lb. bags F.O.B. at any point in Monroe County.

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Grass Seed – Highway Blend	50 Lb.bag

ITEM _____ GRASS SEED PURE WATERS BLEND

DESCRIPTION:

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

MATERIAL REQUIREMENT:

Grass seed shall meet the requirements below:

NAME	% PER LB.
Kentucky Bluegrass	49.53%
Creeping Red Fescue	29.91%
Pennifine Perennial Rye	19.34%

METHOD OF MEASUREMENT:

The quantity of material to be paid for will be measured by the pound. Item shall be ready for pickup or delivery within 7 working days of order.

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Grass Seed – Pure Waters Blend	50 Lb. bag

ITEM _____ GRASS SEED PURE WATERS MILL SEAT BLEND

DESCRIPTION:

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

MATERIAL REQUIREMENT:

Grass seed shall meet the requirements below:

NAME	% PER LB.
Prelude II Perennial Ryegrass (90% germination)	52.08%
Elf Perennial Ryegrass (90% germination)	33.60%
Palmer II Perennial Ryegrass (90% germination)	9.60%
Weed Seed will not exceed	.10%

METHOD OF MEASUREMENT:

The quantity of material to be paid for will be measured by the 50 pound bag. Item shall be ready for pickup or delivery within 7 working days of order.

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Grass Seed – Pure Waters Mill Seat Blend	50 Lb. bag

ITEM _____ TURF LINE ICE MELTER

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

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

CONTENTS:

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Turf Line Ice Melter	Bag
	Turf Line Ice Melter	Pallet

ITEM _____ POURABLE CRACK FILLER

DESCRIPTION:

Provide pourable crack filler material F.O.B. to any point in Monroe County.

MATERIAL REQUIREMENT:

Provide Seal-Master's Pourable Crack Filler, Product # 91104, or approved equal. This material is a rubberized asphalt emulsion with high flexibility, designed for filling narrow cracks up to 1/2", in width in asphaltic surfaces. It consists of asphaltic emulsion, rubber, mineral inert fillers, additives and water.

The chemical percentage by weight breakdown is as follows:

MATERIAL	PERCENT WEIGHT	PRODUCT DATA	
Asphaltic Emulsion	45.8	Type	Asphaltic Emulsion
Rubber	6.53	Pounds per Gallon @ 77°F	9.00 - 9.25
Water	32.37	% Non Volatile Material	63 - 65
Mineral Inert Fillers	15.20	Viscosity @ 77°F., ku	60 - 67
Additives (stabilizer)	.10	Odor	Mild
TOTAL	100.00	Flammability	Non-Flammable
		Flash Point	None
		Effect of Freezing	Damaging
		Storage Life	One Year

METHOD OF MEASUREMENT:

Item shall be measured for payment by the 5 gallon pail.

BASIS OF BID:

Unit price bid shall include all costs to furnish and deliver material F.O.B. to any point in Monroe County within 7 days of order. Item shall be ready for pickup or delivery .

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Pourable Crack Filler	5 Gallon Pail

ITEM _____ SUPER 5000 CONCRETE MIX

DESCRIPTION:

Provide Super 5000 Concrete Mix.

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Super 5000 Concrete Mix	Bag

ITEM _____ SPEEDCRETE RED LINE FAST SETTING CONCRETE

DESCRIPTION:

Provide Speedcrete Red Line fast setting concrete mix.

MATERIAL REQUIREMENT:

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

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

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

ITEM _____ SPEEDCRETE GREEN LINE

DESCRIPTION:

Provide Speedcrete Green Line fast setting semi-flowable concrete mix

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Speedcrete Green Line Concrete	Bag

ITEM _____ SPEEDCRETE BLUE LINE

DESCRIPTION:

Provide Speedcrete Blue Line fast setting concrete mix

MATERIAL REQUIREMENT:

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

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Speedcrete Blue Line	Bag

ITEM _____ PLASTIC SAFETY FENCING

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

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

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

METHOD OF MEASUREMENT:

The material shall be measured for payment by the roll.

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Recycled Plastic Safety Fencing	Roll

ITEM _____ HEAVY DUTY POLYETHYLENE SNOW FENCE

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

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

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

Tensile Yield shall be 320 psi.

Ultimate Tensile Yield shall be 370 lbs/Ft.

Elongation @ Break Point 150%

METHOD OF MEASUREMENT:

The material shall be measured for payment by the roll.

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Heavy Duty Polyethylene Snow Fence	Roll

ITEM _____ PREFABRICATED STEEL ADJUSTMENT RINGS FOR MANHOLES:

MATERIAL REQUIREMENTS

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

UNIT PRICE BID

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

DELIVERY

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Prefabricated Steel Adjustment Rings	Each

ITEM _____ STEEL SNOW FENCE POSTS

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

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

METHOD OF MEASUREMENT:

The material shall be measured for payment by the post.

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Steel Snow Fence Posts	Each

ITEM _____ CALCIUM CHLORIDE

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Calcium Chloride	50 # bags

ITEM _____ PVC DRAIN BASINS AND COMPONENTS

DESCRIPTION

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

MATERIAL REQUIREMENTS

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

UNIT PRICE BID

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

BASIS OF PAYMENT:

Payment will be made under:

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

ITEM _____ GEOTEXTILE BEDDING FABRIC

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Geotextile Bedding Fabric	SF

ITEM _____ GEOTEXTILE UNDERCUT SEPARATION FABRIC

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Geotextile Undercut Separation Fabric	SF

ITEM _____ GEOTEXTILE DRAINAGE FABRIC

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Geotextile Drainage Fabric	SF

ITEM _____ EROSION CONTROL SILT FENCE

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Erosion Control Silt Fence	LF

ITEM _____ TURBIDITY CURTAIN

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

The material will be measured for payment by the square foot

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Turbidity Curtain	SF

ITEM _____ SEDIMENT FILTRATION MAT

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Sediment Filtration Mat	SF

ITEM _____ SILT FILTRATION BAG

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Silt Filtration Bag	EA

ITEM _____ GEOTEXTILE SLOPE PROTECTION - TEMPORARY

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Geotextile Slope Protection - Temporary	SF

ITEM _____ GEOTEXTILE SLOPE PROTECTION - PERMANENT

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Geotextile Slope Protection - Permanent	SF

ITEM _____ CENTERLINE DELINEATORS

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

Packaging

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

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

ITEM _____ CHANNELIZER CONES WITH MOLDED BASES

SCOPE

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

REQUIREMENTS

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

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

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

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

BASIS OF BID

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

BASIS OF PAYMENT:

Payment will be made under:

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

ITEM _____ DETECTABLE WARNING MATERIALS

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

PROVISIONALLY APPROVED SURFACE APPLIED DETECTABLE WARNINGS PRODUCT LIST

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

PROVISIONALLY APPROVED EMBEDDED PREFORMED DETECTABLE WARNINGS PRODUCT LIST

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

ITEM _____ DETECTABLE WARNING MATERIALS

METHOD OF MEASUREMENT:

- A. Surface Applied Detectable Warning material shall be measured for payment by the square foot.
- B. Embedded Detectable Warning material shall be measured for payment by the square foot by the full pallet or half pallet.

BASIS OF BID:

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

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Surface Applied Detectable Warning Material	SF
	Embedded Preformed Detectable Warning Material	SF (full pallet)
	Embedded Preformed Detectable Warning Material	SF (half pallet)

ITEM _____ PAVEMENT MARKING TAPE - MISCELLANEOUS MARKINGS

DESCRIPTION:

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

MATERIAL REQUIREMENT:

Material shall be 3M™ Stamark™ Pavement Marking Tape as noted below. Material shall be supplied F.O.B. to any point in Monroe County.

3M STAMARK SERIES 750			
4" X 50 YDS	WET REFLECTIVE REMOVABLE TAPE	STRAIGHT ROLL - WHITE	ROLL
4" X 50 YDS	WET REFLECTIVE REMOVABLE TAPE	STRAIGHT ROLL - YELLOW	ROLL
3M STAMARK SERIES 380 IES			
4" X 25 YDS. - WHITE	ADHESIVE COATED NON-LINERED	STRAIGHT ROLL - WHITE	ROLL
4" X 100 YDS - WHITE	" "	STRAIGHT ROLL - WHITE	ROLL
4" X 25 YDS - YELLOW	" "	STRAIGHT ROLL - YELLOW	ROLL
4" X 100 YDS - YELLOW	" "	STRAIGHT ROLL - YELLOW	ROLL
3M STAMARK SERIES L 380 IES			
SMS-L-380 IES - SA	PRESSURE SENSITIVE ADHESIVE AND LINER	STRAIGHT ARROW	EACH
SMS-L-380 IES - LA	" "	LEFT CURVE ARROW	EACH
SMS-L-380 IES - RA	" "	RIGHT CURVE ARROW	EACH
SMS-L-380 IES - ON	" "	"ONLY" LEGEND	EACH
SMS-L-380 IES - K4	" "	4 FT BICYCLE SYMBOL	EACH
SMS-L-380 IES - RP	" "	RR XING PKG (72")	EACH
SMS-L-380 IES - SC	" "	"SCHOOL" LEGEND	EACH
SMS-L-380 IES - ST	" "	"STOP" LEGEND	EACH
SMS-L-380 IES - XI	" "	"XING" LEGEND	EACH
SMS-L-380 IES - AH	" "	"AHEAD" LEGEND	EACH
SMS-L-380 IES - A6	" "	6' STRAIGHT BIKE ARROW	EACH
SMS-L-380 IES - K8	" "	8' BIKE SYMBOL	EACH
3M STAMARK SERIES 6330			
SMS 902 RM	PRESSURE SENSITIVE ADHESIVE AND LINER	RIGHT CURVE ARROW	EACH
SMS 902 LM	" "	LEFT CURVE ARROW	EACH
SMS 904 M	" "	"ONLY" LEGEND	EACH
48" X 30 YDS	ADHESIVE COATED - LINERED	STRAIGHT ROLL - WHITE	ROLL
3M STAMARK SERIES 5730			
4" X 120 YDS	ADHESIVE COATED - NON LINERED	STRAIGHT ROLL - WHITE	ROLL
4" X 120 YDS	" "	STRAIGHT ROLL - YELLOW	ROLL
12" X 30 YDS	" "	STRAIGHT ROLL - WHITE	ROLL
16" X 30 YDS	" "	STRAIGHT ROLL - WHITE	ROLL
STAMARK CONTACT CEMENT E-44T			5 GAL

ITEM _____ PAVEMENT MARKING TAPE - MISCELLANEOUS MARKINGS

METHOD OF MEASUREMENT:

The material shall be measured for payment as noted in table above.

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

ITEM NO.	DESCRIPTION	PAY UNIT
	3M TM STAMARK TM WET REFLECTIVE REMOVABLE TAPE - WHITE	ROLL
	3M TM STAMARK TM WET REFLECTIVE REMOVABLE TAPE - YELLOW	ROLL
	3M TM STAMARK TM SERIES 380I ES 4" X 25 YDS. - WHITE	ROLL
	3M TM STAMARK TM SERIES 380I ES 4" X 100 YDS - WHITE	ROLL
	3M TM STAMARK TM SERIES 380I ES 4" X 25 YDS - YELLOW	ROLL
	3M TM STAMARK TM SERIES 380I ES 4" X 100 YDS - YELLOW	ROLL
	3M TM STAMARK TM SERIES L 380I ES STRAIGHT ARROW	EACH
	3M TM STAMARK TM SERIES L 380I ES LEFT CURVE ARROW	EACH
	3M TM STAMARK TM SERIES L 380I ES RIGHT CURVE ARROW	EACH
	3M TM STAMARK TM SERIES L 380I ES "ONLY" LEGEND	EACH
	3M TM STAMARK TM SERIES L 380I ES 4 Ft BICYCLE SYMBOL	EACH
	3M TM STAMARK TM SERIES L 380I ES RR XING PKG (72")	EACH
	3M TM STAMARK TM SERIES L 380I ES "SCHOOL" LEGEND	EACH
	3M TM STAMARK TM SERIES L 380I ES "STOP" LEGEND	EACH
	3M TM STAMARK TM SERIES L 380I ES "XING" LEGEND	EACH
	3M TM STAMARK TM SERIES L 380I ES "AHEAD" LEGEND	EACH
	3M TM STAMARK TM SERIES L 380I ES 6' STRAIGHT BIKE ARROW	EACH
	3M TM STAMARK TM SERIES L 380I ES 8' BIKE SYMBOL	EACH
	3M TM STAMARK TM SERIES 6330 RIGHT CURVE ARROW	EACH
	3M TM STAMARK TM SERIES 6330 LEFT CURVE ARROW	EACH
	3M TM STAMARK TM SERIES 6330 " ONLY" LEGEND	EACH
	3M TM STAMARK TM SERIES 6330 48" X 30 YDS - WHITE	ROLL
	3M TM STAMARK TM SERIES 5730 4" X 120 YDS - WHITE	ROLL
	3M TM STAMARK TM SERIES 5730 4" X 120 YDS - YELLOW	ROLL
	3M TM STAMARK TM SERIES 5730 12" X 30 YDS - WHITE	ROLL
	3M TM STAMARK TM SERIES 5730 16" X 30 YDS - WHITE	ROLL
	STAMARK CONTACT CEMENT E-44T	5 GALLON

ITEM _____ SET-45 CONCRETE

DESCRIPTION:

Provide Set-45 Concrete material

MATERIAL REQUIREMENT:

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

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Set-45 Concrete	Bag

ITEM _____ PENETRATING PROTECTIVE SEALER

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

The material shall be measured for payment by the gallon.

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Penetrating Protective Sealer	Gallon

ITEM _____ CONO/CRETE 149 EPOXY MORTAR

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Cono-Crete 149 Epoxy Mortar	40# Container

ITEM _____ THORITE FAST SETTING HIGH STRENGTH PATCHING MATERIAL

DESCRIPTION:

Provide Thorite fast setting high strength patching material.

MATERIAL REQUIREMENT:

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

AGE	COMPRESSIVE STRENGTH
1 DAY	3,200 PSI
7 DAYS	4,300 PSI
28 DAYS	5,200 PSI

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

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

ITEM _____ PREFORMED ELASTIC BRIDGE JOINT SEALER

DESCRIPTION:

Provide preformed elastic bridge joint sealer in accordance with requirements below.

MATERIAL REQUIREMENT:

Material shall meet the requirements of the New York State Department of Transportation Standard Specifications, Section 705-09, latest revision.

Compression Seals shall be Watson-Bowman-Acme Corp. or approved equal.

WIDTH	HEIGHT	MODEL #
1"	1"	WB-1000
1 5/8"	1"	WC-1625
1 3/4"	2"	WA-175
2"	2"	WA-200
2 1/2"	2 3/4"	WA-250

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Preformed Elastic Bridge Joint Sealer	LF

ITEM _____ MEMBRANE WATERPROOFING

DESCRIPTION:

This item shall provide for furnishing premolded waterproofing membrane F.O.B. to any point in Monroe County.

MATERIAL REQUIREMENT:

The Premolded membrane shall be 4 X 8 feet sheets, seven-ply minimum, 1/8" thick, weather coated and permanently bonded core board with polyvinyl chloride sheeting suspended mid-point in the bituminous core. The water vapor transmission shall not exceed .003 grains/sq. ft./hour as measured in accordance with ASTM designation E-154, both before and after alternate cycles of wetting and drying. It should be able to resist 300 deg. f. heat for a minimum of 30 minutes, without being damaged in any way.

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Membrane Waterproofing	SF

ITEM _____ CATALYTIC BONDING ASPHALT

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Catalytic Bonding Asphalt	5 Gallon Units

ITEM _____ WABOCRETE II

DESCRIPTION:

Provide Wabocrete II material F.O.B. to any point in Monroe County.

MATERIAL REQUIREMENT:

Material shall be Wabocrete II Elastomeric concrete mix as manufactured by Watson Bowman Acme, Corp., Amherst, NY.

METHOD OF MEASUREMENT:

Material shall be measured for payment by the unit, which consists of (1) ½ gallon container, Part A, (1) 1 gallon container, Part B and (1) 5 gallon container, Part C.

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Wabocrete II	Kit

ITEM _____ DARAWELD-C

DESCRIPTION:

Provide Daraweld-C epoxy bonding compound.

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Daraweld-C	5 Gal Container

ITEM _____ EPOXY POLYSULFIDE BINDER

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

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

ITEM _____ EUCO CONCRETE COAT LATEX MODIFIED PATCH KIT

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

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

ITEM _____ EUCO VERTICOAT

DESCRIPTION:

Provide Euclid Euco Verticoat polymer modified mortar.

MATERIAL REQUIREMENT:

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

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Euco Verticoat	Kit

ITEM _____ BITUTHENE 4000 MEMBRANE WATERPROOFING

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

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

ITEM _____ BITUTHENE P-3000 PRIMER

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

The material will be measured for payment by the gallon.

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

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

ITEM _____ BITUTHENE EDGE MASTIC

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

METHOD OF MEASUREMENT:

The material will be measured for payment by the gallon.

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Bituthene Edge Mastic	Gallon

ITEM _____ WP-140 INDUSTRIAL WATER-BASED WATER REPELLENT

DESCRIPTION:

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

MATERIAL REQUIREMENT:

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

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

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

METHOD OF MEASUREMENT:

Item shall be measured for payment by the gallon.

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Wp-140 Industrial Water-Based Water Repellent	Gallon

ITEM _____ CONCRETE FORMING SYSTEM

DESCRIPTION:

This specification covers the material and quality requirements for a Steel-Ply Concrete Forming System.

MATERIAL REQUIREMENT:

The steel-ply panels and fillers shall be constructed from a rugged steel frame. The side rail of the form shall have a minimum yield stress of 55,000 psi. Crossmembers shall have a minimum yield stress of 60,000 psi and shall be located at one- (1) foot centers on all panels and fillers.

The overlay shall be of 1/2" high-density material or birch plywood. Each piece shall be edge sealed with polyurethane to repel moisture.

Each section shall have dado slots at crossmembers for tie placement. Slots for the hardware attachment shall be located between crossmembers.

All components shall combine to provide a 1000 psf rated system with a predictable safety factor over the service life of the form.

The system shall be Symons Concrete Forms or approved equal. The panel and filler heights shall range from 3' to 8', in 1' increments. Panel widths shall be 24" and filler widths shall range from 4" to 22" in 2" increments. A 5" wide filler and steel 1", 1 1/2" and 2" fillers shall also be made available. The panels shall be designed so wedge bolts connect the panels, fillers and ties in one operation.

METHOD OF MEASUREMENT:

The item shall be measured by the square foot of forming system components provided.

BASIS OF BID:

The unit price bid for the forming system components shall include all costs to furnish and deliver all connectors and appurtenances F. O. B. to any point in Monroe County within 7 days after order.

BASIS OF PAYMENT:

Payment will be made under:

Item No.	Description	Pay Unit
	Concrete Forming System	SF

ITEM _____ WOVEN POLYETHYLENE NYLON SHEETS

DESCRIPTION:

Provide woven nylon reinforced polyethylene sheets.

MATERIAL REQUIREMENT:

This material shall be heavy duty 6 mil thickness.

METHOD OF MEASUREMENT:

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

BASIS OF BID:

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

BASIS OF PAYMENT:

Payment will be made under:

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

ASPHALT PRICE ADJUSTMENT APPENDIX

Description

Price adjustments allowed will be based on the September 1, 2005 average of the F.O.B. terminal price per English ton of unmodified PG 64-22 binder without anti-stripping agent (base average F.O.B. terminal price). The new monthly average terminal price will be determined by the New York State Department of Transportation based on prices of preapproved primary sources of performance graded binder in accordance with the New York State Department of Transportation Standard Specification.

The **September 1, 2005** average terminal price is **\$229.00**.

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

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

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

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

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

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

Price adjustment Per Gallon	=	$\frac{\text{New Monthly Average (per english ton)} - \text{Base Average Terminal Price}}{980}$	x	Total Allowable Asphalt & Fuel Allowance
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NEW MONTHLY AVERAGE F.O.B. TERMINAL PRICE:

ASPHALT PRICE ADJUSTMENT APPENDIX

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

BASE AVERAGE F.O.B. TERMINAL PRICE:

The average F.O.B. terminal price of unmodified PG 64-22 binder without anti-stripping agent as determined by the New York State Department of Transportation as of September 1, **2005**.

TOTAL % ASPHALT PLUS FUEL BY MATERIAL TYPE

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

ITEM	% ASPHALT	+ FUEL ALLOWANCE	TOTAL % ASPHALT + FUEL ALLOWANCE
Type I Asphalt Base	5.00	1	6.00 %
Type I Asphalt Base (Recycled)	3.10	1	4.10 %
Type 3 Asphalt Binder	5.50	1	6.50 %
Type 3 Asphalt Binder (Recycled)	3.60	1	4.60 %
Type 5 Asphalt Shim	8.25	1	9.25 %
Type 6F Asphalt Top	6.40	1	7.40 %
Type 6F Asphalt Top (Recycled)	4.50	1	5.50 %
Type 7F Asphalt Top	7.00	1	8.00 %
Type 7F Asphalt Top (Recycled)	5.10	1	6.10 %
Flexible Overlay/Smooth Seal	7.00	1	8.00 %
Flexible Top	5.50	1	6.50 %
Base 19 mm F9 Superpave	4.80	1	5.80 %
Binder 12.5 mm F2 Superpave	5.20	1	6.20%
Top 9.5 mm F2 Superpave	6.40	1	7.40%
Shim Course F9 Superpave	8.25	1	9.25%
True & Level F9 Superpave	**	1	*** %
Paver placed surface treatment 'Novachip'	7.00	0	7.00 %
Asphalt Emulsions			
CMS-2	65	12	77 %
CRS-2	65	3	68 %
CRS-2p	65	3	68 %
CSS-1	57	0	57 %
CSS-1h	57	0	57 %
RS-2	63	3	66 %
RS-2p	63	3	66 %
HFRA	65	5	70%
HFMS-2	65	10	75 %
HFMS-2gh	75	3	78 %
HFMS-2h	65	3	66 %
HFRS-2	63	3	66 %
HFRS-2p	63	3	66 %
HRMS2h Tack coat	35	0	35 %
Rapid breaking tack	35	0	35 %
CSS-1h Tack Coat	35	0	35 %
PG 64-22 (AC-20 w/ fiber crack fill)	95	0	95 %
18-64	100	0	100 %
Polymer Crack fill (ASTM D6690)	56	0	56 %

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

ASPHALT PRICE ADJUSTMENT APPENDIX

EXAMPLE: Item Asphalt Hot Mix 6F top
Base Average Price = \$150.00
New Average Price = \$160.00
Total % Asphalt plus Fuel = 7.4%

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

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

NOTE:

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

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

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

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

All price adjustments will be computed to three decimal places.

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

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

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

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

HIGHWAY MATERIALS GROUP I

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

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

GROUP I

HIGHWAY MATERIALS GROUP II

ITEM	Price Page	Spec No.
Ashpalt Concrete Hot Mix Courses	1-2	1
Plant Mixed Asphalt Patching Material	2	2
Modified Plant Mixed Asphalt Patching Material	2	3
Recrushed Asphalt Millings	2	4
Material Hauling	2	5
Bituminous Material (Liquid) Tack Coat in Five (5) Gal. Pails	2	6
Paver Rental	2	7
Paver Operator	2	8
Screedman	2	9
Heavy Laborer	2	10
Stone Aggregates (Quarry)	3-4	11
Stone Aggregates (Gravel Pit)	5-6	11
Pretreating of Surface Treatment Aggregate (A) Pugmill, Liquid Asphalt	4	12
Pretreating of Surface Treatment Aggregate (B) Pugmill, Liquid Asphalt and Aggregate	4	13
Concrete For Structures	7	14
Concrete Grouting Material	7	15
Controlled Low Strength Material	7	16
Flowable Fill Pure Waters Blend	7	17
Topsoil	8	18
Fill Dirt Material	8	19
Compost Topsoil	8	20
Select Structural Fill Material	8	21
Sand Material	8	22
Masonry Items	9	23
Common Sewer Brick	9	24
Patio Pavers	9	25
Grass Seed Highway Blend	9	26
Grass Seed PW Blend	9	27
Grass Seed PW Mill Seat Blend	9	28

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

GROUP II

HIGHWAY MATERIALS GROUP II

ITEM	Price Page	Spec No.
Turf Line Ice Melter	9	29
Pourable Crack Filler	9	30
Super 5000 Concrete Mix	9	31
Speedcrete Red Line Fast Setting Concrete Mix	9	32
Speedcrete Green Line Semi-flowable Concrete Mix	9	33
Speedcrete Blueline Fast Setting Concrete Mix	9	34
Black Beauty	9	
Plastic Safety Fencing	10	34z
Heavy Duty Polyethylene Snow Fence	10	35
Steel Manhole Adjustment Rings	10	36
Steel Snow Fence Post	10	37
Calcium Chloride	10	38
PVC Drain Basins and Components	10	39
Geotextile Bedding Fabric	10	40
Geotextile Undercut Separation Fabric	10	41
Geotextile Drainage Fabric	10	42
Erosion Control Silt Fence	10	43
Turbidity Curtain	10	44
Sedimentation Filtration Mat	10	45
Silt Filtration Bag	10	46
Geotextile Slope Protection - Temporary	10	47
Geotextile Slope Protection - Permanent	10	48
Centerline Delineators	11	49
Channelizer Cones with Molded Bases	11	50
Detectable Warning Materials	11	51
Pavement Marking Tape - Miscellaneous Markings	11-12	52
Set -45 Concrete	12	53
Penetrating Protective Sealer	13	54
Cono-crete 149 Epoxy Mortar	13	55

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

GROUP II

HIGHWAY MATERIALS GROUP II

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Prformed Elastic Bridge Joint Sealer	13	57
Membrane Waterproofing	13	58
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Bituthene System 4000 Membrane Waterproofing	13	65
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WP-140 Industrial Water Based Water Repellent	13	68
Concrete Forming System	13	69
Woven Nylon Polyethylene Nylon Sheets	13	70
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Note: Locate Item Spec number in the footer of the individual spec.

GROUP II

HIGHWAY MATERIALS GROUP III

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Polyethylene Tubing by ADS	2	2
Polyethylene Pipe Products by ADS: Saddle Tees, Clay Adpters, Snap Tees	3	1
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Polyethylene Tubing by Hancor	5	4
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Polyethylene Pipe Products by Lane	7	5
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Round Corrugated Steel Pipe & Split Couplings (2 2/3"X 1/2" Coated)	10	7
Round Corrugated Steel Pipe & Split Couplings (2 2/3"X 1/2" Uncoated)	11	8
Perforated Corrugated Steel Pipe Underdrain & Split Couplings	12	9
Galvanized End Sections	13	10
Corrugated Steel Pipe Arch (2 2/3" X 1/2" corrugation)	14	11
Corrugated Steel Pipe Arch (3" X 1" corrugation)	14	12
Corrugated Steel Pipe Arch End Sections (2 2/3" X 1/2" corrugation)	15	10
Corrugated Steel Pipe Arch End Sections (3" X 1" corrugation)	15	10
Culvert Band Bolts with Nuts	15	13
Turf Flow Tubing and Fittings	16	14

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

GROUP III

HIGHWAY MATERIALS GROUP I

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

Asphalt Material Base Price (Index 229.000)

ITEM #	OPTION	MATERIAL	UNIT	Western Bituminous	Midland Asphalt	Vestal Asphalt
	SURFACE TREAT A	Surface Treating w/ Rapid Setting Asphalt Emulsion RS-2	GAL.	1.170		
		Surface Treating w/High Float Rapid Setting Asphalt Emulsion HFRS-2	GAL.	1.170		
		Surface Treatingw/Cationic Rapid Setting Asphalt Emulsion CRS-2	GAL.		1.195	
		Surface Treating w/Polymer Modified Rapid Setting Asphalt Emulsion RS-2p	GAL.	1.370		
		Surface Treating w/Polymer Modified High Float Rapid Setting Asphalt Emulsion HFRS-2p	GAL.	1.370		
		Surface Treating w/Polymer Modified Cationic Rapid Setting Asphalt Emulsion CRS-2p	GAL.		1.405	
	SURFACE TREAT B	Surface Treating w/ Rapid Setting Asphalt Emulsion RS-2	GAL.	1.290		
		Surface Treating w/High Float Rapid Setting Asphalt Emulsion HFRS-2	GAL.	1.290		
		Surface Treatingw/Cationic Rapid Setting Asphalt Emulsion CRS-2	GAL.	1.322		
		Surface Treating w/Polymer Modified Rapid Setting Asphalt Emulsion RS-2p	GAL.	1.490		
		Surface Treating w/Polymer Modified High Float Rapid Setting Asphalt Emulsion HFRS-2p	GAL.	1.490		
		Surface Treating w/Polymer Modified Cationic Rapid Setting Asphalt Emulsion CRS-2p	GAL.	1.535		
	Hand Spray Application	Hand Spraying w/ Rapid Setting Asphalt Emulsion RS-2	GAL.		1.215	
		Hand Spraying w/High Float Rapid Setting Asphalt Emulsion HFRS-2	GAL.		1.215	
		Hand Spraying w/Cationic Rapid Setting Asphalt Emulsion CRS-2	GAL.		1.195	
		Hand Spraying w/Polymer Modified Rapid Setting Asphalt Emulsion RS-2p	GAL.		1.425	
		Hand Spraying w/Polymer Modified High Float Rapid Setting Asphalt Emulsion HFRS-2p	GAL.		1.425	
		Hand Spraying w/Polymer Modified Cationic Rapid Setting Asphalt Emulsion CRS-2p	GAL.		1.405	
		Bituminous Distributor with Operator for Hand Spray Chip Seal Patching	Fixed Price / Hour			\$85

HIGHWAY MATERIALS GROUP I

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

Asphalt Material Base Price (Index 229.000)

ITEM #	OPTION	MATERIAL	UNIT	Western Bituminous	Midland Asphalt	Vestal Asphalt
	FIBERMAT A (SAM)	Fiber Reinforced Surface Treat 1-5,000 SY / DAY	SY		2.480	
		Fiber Reinforced Surface Treat 5,001 - 10,000 SY / DAY	SY		1.845	
		Fiber Reinforced Surface Treat 10,001 - 20,000 SY / DAY	SY		1.598	
		Fiber Reinforced Surface Treat > 20,000 SY	SY		1.535	
	FIBERMAT B (SAMI)	Fiber Reinforced Surface Treat 1-5,000 SY / DAY	SY		2.450	
		Fiber Reinforced Surface Treat 5,001 - 10,000 SY / DAY	SY		1.785	
		Fiber Reinforced Surface Treat 10,001 - 20,000 SY / DAY	SY		1.568	
		Fiber Reinforced Surface Treat > 20,000 SY	SY		1.505	
	NOVA CHIP	Paver Placed Surface Treatment Type A 1 - 12,500 SY	SY		3.450	
		Paver Placed Surface Treatment Type A 12,501 - 25,000 SY	SY		3.350	
		Paver Placed Surface Treatment Type A 25,000 &>	SY		3.050	
		Paver Placed Surface Treatment Type B 1 - 12,500 SY	SY		3.500	
		Paver Placed Surface Treatment Type B 12,501 - 25,000 SY	SY		3.400	
		Paver Placed Surface Treatment Type B 25,000 &>	SY		3.100	
		Allowable DEDUCTION per square yard if the contracting agency furnishes and operates the compacting equipment.	SY		0.07	
		Allowable DEDUCTION per square yard if the contracting agency furnished trucking of the Hot Asphalt Mixture to the paver.	SY		0.18	

HIGHWAY MATERIALS GROUP I

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

Asphalt Material Base Price (Index 229.000)

ITEM #	OPTION	MATERIAL	UNIT	Western Bituminous	Midland Asphalt	Vestal Asphalt
	MOTOPAVE	Cold Mix/Motopave w/High Float Medium Setting Asphalt Emulsion HFMS-2	GAL.	1.420		
		Cold Mix/Motopave w/High Float Medium Setting Asphalt Emulsion HFMS-2h	GAL.	1.430		
		Cold Mix/Motopave w/High Float Medium Setting Asphalt Emulsion HFMS-2gh	GAL.	1.455		
		Cold Mix/Motopave w/Cationic Medium Setting Asphalt Emulsion CMS-2	GAL.	1.481		
		Cold Mix/Motopave w/Cationic Medium Setting Asphalt Emulsion CMS-2h	GAL.	1.491		
		Cold Mix/Motopave w/Cationic Medium Setting Asphalt Emulsion CSS-1	GAL.	1.400		
		Cold Mix/Motopave w/Cationic Medium Setting Asphalt Emulsion CSS-1h	GAL.	1.400		
	CRACK SEAL	Polymer Modified Asphalt Joint & Crack Sealant (D6690)	GAL.			9.150
		Fiber Reinforced Asphalt Joint & Crack Sealant (PG64-22)	GAL.			8.470
	TACK COAT	Tack Coat Base Material CSS-1h	GAL.		1.790	
		Tack Coat Base Material HFMS-2	GAL.		1.910	
		Rapid Breaking Tack Coat	GAL.		2.050	
		Tack Coat Distributer Equipment Rental	HOUR		\$80	

HIGHWAY MATERIALS GROUP I

Asphalt Material Base Price (Index 229.000)

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

TYPE I Recycling

ITEM #	QUANTITY	UNIT	UNIT PRICE	VENDOR
	Under 5,000 SY @ 3 inches	SY	3.05	Midland Asphalt
	Under 5,000 SY @ 4 inches	SY	3.15	Midland Asphalt
	Over 5,000 SY @ 3 inches	SY	2.12	Midland Asphalt
	Over 5,000 SY @ 4 inches	SY	2.22	Midland Asphalt
	Cold In Place Emulsion HFMS-2	GAL	1.190	Midland Asphalt
	Cold In Place Emulsion HFMS-2p	GAL	1.400	Midland Asphalt
	Cold In Place Emulsion HFMS-2 with rejuvenator	GAL	No Bid	No Bid
	Cold In Place Emulsion CMS-2	GAL	1.190	Midland Asphalt
	Cold In Place Emulsion CMS-2h	GAL	1.190	Midland Asphalt

TYPE II Recycling

ITEM #	QUANTITY	UNIT	UNIT PRICE	VENDOR
	Under 5,000 SY @ 3 inches	SY	2.10	Western Bituminous
	Under 5,000 SY @ 4 inches	SY	2.20	Western Bituminous
	Over 5,000 SY @ 3 inches	SY	1.74	Western Bituminous
	Over 5,000 SY @ 4 inches	SY	1.80	Western Bituminous
	Cold In Place Emulsion HFMS-2	GAL	1.19	Western Bituminous
	Cold In Place Emulsion HFMS-2p	GAL	1.38	Western Bituminous
	Cold In Place Emulsion HFMS-2 with rejuvenator	GAL	1.34	Western Bituminous
	Cold In Place Emulsion CMS-2	GAL	1.24	Midland Asphalt
	Cold In Place Emulsion CMS-2h	GAL	1.25	Midland Asphalt

HIGHWAY MATERIALS GROUP I

Asphalt Material Base Price (Index 229.000)

ITEM PAVEMENT RECYCLING PUGMILL MIX / CENTRAL PLANT

ITEM #	QUANTITY	UNIT	UNIT PRICE	VENDOR
	Under 5,000 SY @ 3 inches	SY	0.95	Western Bituminous
	Under 5,000 SY @ 4 inches	SY	1.05	Western Bituminous
	Over 5,000 SY @ 3 inches	SY	0.65	Western Bituminous
	Over 5,000 SY @ 4 inches	SY	0.70	Western Bituminous
	Pavement Recycling with HFRA	GAL.	1.40	Western Bituminous
	Cold Mix Bituminous Paver	DAY	\$2,000	Western Bituminous

ITEM PAVEMENT RECLAMATION FULL DEPTH

ITEM #	QUANTITY	UNIT	UNIT PRICE	VENDOR
	Under 5,000 SY	SY	0.70	Western Bituminous
	Over 5,000 SY	SY	0.75	Western Bituminous
	Stabilizing Additive Calcium Chloride	GAL	0.83	Western Bituminous
	Stabilizing Additive Asphalt Emulsion HFMS-2	GAL	1.19	Western Bituminous

ITEM HOT IN PLACE ASPHALT RECYCLING

ITEM #	QUANTITY	UNIT	UNIT PRICE	VENDOR
	Under 5,000 SY @ 3/4 to 2 inch depth	SY	3.49	Highway Rehab
	Over 5,000 SY @ 3/4 to 2 inch depth	SY	2.83	Highway Rehab

ITEM LIQUID CALCIUM CHLORIDE

ITEM #	QUANTITY	UNIT	UNIT PRICE	VENDOR
	Liquid Calcium Chloride (Gravel Road Stabilization)	Gal.	0.82	I.M.U.S. Inc.
	Liquid Calcium Chloride (Snow & Ice Control)	Gal.	0.81	Western Bituminous

ITEM GOLD MILLING OF ASPHALT PAVEMENT AND MIXED COMPOSITION

		PRICE PER SQUARE YARD									
		Asphalt Milling					Mixed Composition Milling				
ITEM #	QUANTITY	Option A	Option B	Option C	Option D	Option E	Option F	Option G	Option H	Option I	Option J
	Mobilization Fee for Projects Under 2000 SY	\$300	\$300	\$300	\$300	\$300	\$300	\$300	\$300	\$300	\$300
	1 to 1,000 SY Under 2 in. depth	0.05	1.00	1.55	1.65	1.65	0.05	1.75	0.60	0.75	0.70
	1 to 1,000 SY Under 2 to 3 in. depth	0.05	1.00	1.55	1.65	1.65	0.05	1.75	0.60	0.75	0.70
	1 to 1,000 SY Additional Charge for each additional 1 in. depth over 3 in.	0.00	0.01	0.10	0.20	0.20	0.15	0.50	0.20	0.20	0.30
	1,001 to 5,000 SY Under 2 in. depth	0.44	1.50	2.15	2.25	2.25	0.55	1.95	1.20	1.35	1.30
	1,001 to 5,000 SY Under 2 to 3 in. depth	0.45	1.50	2.15	2.25	2.25	0.55	1.95	1.20	1.35	1.30
	1,001 to 5,000 SY Additional Charge for each additional 1 in. depth over 3 in.	0.00	0.01	0.10	0.20	0.20	0.15	0.50	0.30	0.30	0.30
	5,001 to 10,000 SY Under 2 in. depth	0.50	2.30	2.80	2.90	2.90	0.60	2.10	1.60	1.75	1.70
	5,001 to 10,000 SY Under 2 to 3 in. depth	0.50	2.30	2.80	2.90	2.90	0.60	2.10	1.60	1.75	1.70
	5,001 to 10,000 SY Additional Charge for each additional 1 in. depth over 3 in.	0.01	0.01	0.10	0.20	0.20	0.15	0.50	0.30	0.30	0.30
	Over 10,001 SY Under 2 in. depth	0.55	2.55	4.60	4.60	4.60	0.65	3.30	1.75	1.90	1.80
	Over 10,001 SY Under 2 to 3 in. depth	0.55	2.55	4.60	4.60	4.60	0.65	3.30	1.75	1.90	1.80
	Over 10,001 SY Additional Charge for each additional 1 in. depth over 3 in.	0.01	0.01	0.10	0.20	0.20	0.15	0.50	0.30	0.30	0.30
	VENDOR	Villager Const.	Villager Const.	Villager Const.	Villager Const.	Villager Const.	Villager Const.	Villager Const.	Villager Const.	Villager Const.	Villager Const.

ITEM MOTORIZED SWEEPING

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

ITEM CONCRETE GUTTER VARIOUS OPTIONS

ITEM #	QUANTITY	UNIT	PRICE PER SQUARE YARD			
			Option A	Option B	Option C	Option D
	0 to 50	SY				
	51 to 250	SY				
	251 to 500	SY				
	501 to 1000	SY				
	Over 1000	SY				
VENDOR			AP	AP	AP	AP

ITEM CONCRETE SIDEWALKS VARIOUS OPTIONS

ITEM #	QUANTITY	UNIT	PRICE PER SQUARE YARD			
			Option A	Option B	Option C	Option D
	1 to 100 (No Reinforcement)	SY				
	101 to 500 (No Reinforcement)	SY				
	501 to 1,000 (No Reinforcement)	SY				
	1,001 to 2,000 (No Reinforcement)	SY				
	Over 2,000 (No Reinforcement)	SY				
	Detectable Warnings	SY				
	Additional price for Steel Reinforcement	SY				
VENDOR			No Award	No Award	No Award	No Award

ITEM _____ CONCRETE CURB VARIOUS OPTIONS

ITEM #	QUANTITY	UNIT	PRICE PER FOOT	
			Option A	Option B
	0 - 100	LF	22.30	16.66
	100 - 500	LF	24.30	20.31
	500 - 1,000	LF	24.30	20.31
	> 1,000	LF	24.30	20.31
VENDOR			Espana Ent.	Sunshine Conc.

ITEM _____ STONE CURB VARIOUS OPTIONS

ITEM #	QUANTITY	UNIT	PRICE PER LF				
			Option A	Option B	Option C	Option D	Option E
	0 - 100	LF	22.30	18.00	16.00	16.00	11.00
	100 - 500	LF	31.80	30.90	20.90	20.00	11.00
	500 - 1,000	LF	31.80	30.90	20.90	20.00	11.00
	> 1,000	LF	31.80	30.90	20.90	20.00	11.00
VENDOR			Espana Ent.	Espana Ent.	Espana Ent.	Espana Ent.	Espana Ent.

ITEM _____ RECONSTRUCT DROP INLET

ITEM #	QUANTITY	UNIT	UNIT PRICE
	0 - 1	LF	500
	0 - 2	LF	450
	0 - 3	LF	400
	0 - 4	LF	350
	> 0 - 4	LF	300
VENDOR			Hynes Conc.

HIGHWAY MATERIALS GROUP I

ITEM TREE SERVICE

ITEM #	PROCESS	SIZE (inch)	UNIT PRICE
	Tree Removal	14 and <	87.00
		15 -24	231.00
		25 36	310.00
		37 -48	420.00
		49 and >	440.00
	Stump	Any Size	169.00
	Tree Trimming	Any Size	99.00
	Emergency Surcharge		223.00
	VENDOR		Terry Tree Service LLC

ITEM HYDROSEEDING

ITEM #		UNIT	0 - 10,000	10,001 -30,000	> 30,000
	Hydroseed and Mulch (non grass areas)	SF	No Bid	0.05	0.045
	Reclamation Mix	SF	No Bid	0.05	0.045
	Revitalization Mix	SF	No Bid	0.05	0.045
	Water Furnish and applied to the hydroseeded area	GAL.	No Bid	0.10	0.100
	VENDOR		No Bid	R.M. Landscape Inc.	R.M. Landscape Inc.

HIGHWAY MATERIALS GROUP I

ITEM TREE & SHRUB VARIOUS OPTIONS

ITEM #	QUANTITY	UNIT	Option A	Option B	Option C
			Furnish & Deliver	Furnish & Plant	Furnish, Plant & Guarantee
	Norway Maple	EACH	210	420	500
	Red Maple	EACH	225	450	530
	Northern Red Oak	EACH	245	490	570
	Pin Oak	EACH	245	490	570
	Thornless Cockspur Hawthorne	EACH	245	490	570
	Washington Hawthorne	EACH	245	490	570
	Colorado Blue Spruce	EACH	150	300	380
	Austrian Pine	EACH	145	290	370
	Dense Spreading Yew	EACH	45	90	130
	Dark American Arborvitae	EACH	80	160	190
VENDOR			R.M. Landscape Inc.	R.M. Landscape Inc.	R.M. Landscape Inc.

HIGHWAY MATERIALS GROUP II

ITEM ASPHALT CONCRETE ASPHALT COURSES

Asphalt Material Base Price (Index 229.000)

ITEM #	MATERIAL	Unit	Barre Stone - Albion	Hanson Aggregates - HF	Hanson - McKeel Road	Hanson Aggregates - Sctsv. Road	Hanson Aggregates - Stafford	Iroquois Rock - Brockport	Iroquois Rock - Henrietta	Rochester Asphalt Material - Gates	Rochester Asphalt Material - Penfield	Rochester Asphalt Material - Victor	Rochester Asphalt Material - Walworth	Keeler Construction	Macedon Landscape	Midland Asphalt	I.M.U.S. Inc.
	Type 1 Base Course	1-750 Ton/Day	31.00	32.00	34.50	34.50	32.00	32.00	32.00	32.00	32.00	32.00	32.00	No Bid	No Bid	No Bid	No Bid
	Type 1 Base Course	> 750 Ton/Day	31.00	31.50	34.25	34.25	31.50	32.00	32.00	32.00	32.00	32.00	32.00	No Bid	No Bid	No Bid	No Bid
	Type 3 Binder Course	1-750 Ton/Day	32.00	34.00	35.50	35.50	34.00	33.00	33.00	33.00	33.00	33.00	33.00	No Bid	No Bid	No Bid	No Bid
	Type 3 Binder Course	> 750 Ton/Day	32.00	33.75	35.25	35.25	33.75	33.00	33.00	33.00	33.00	33.00	33.00	No Bid	No Bid	No Bid	No Bid
	Type 3 Binder Course (Recycled)	1-750 Ton/Day	No Bid	32.50	No Bid	No Bid	No Bid	33.00	33.00	33.00	33.00	33.00	33.00	No Bid	No Bid	No Bid	No Bid
	Type 3 Binder Course (Recycled)	> 750 Ton/Day	No Bid	32.00	No Bid	No Bid	No Bid	33.00	33.00	33.00	33.00	33.00	33.00	No Bid	No Bid	No Bid	No Bid
	Type MC1 Binder Course	1-750 Ton/Day	No Bid	34.00	35.50	35.50	34.00	33.00	33.00	33.00	33.00	33.00	33.00	No Bid	No Bid	No Bid	No Bid
	Type MC1 Binder Course	> 750 Ton/Day	No Bid	33.75	35.25	35.25	33.75	33.00	33.00	33.00	33.00	33.00	33.00	No Bid	No Bid	No Bid	No Bid
	Type 5 Shim Course	Ton	42.00	40.00	43.00	43.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	No Bid	No Bid	No Bid	No Bid
	Type 6F Top Course	1-750 Ton/Day	34.00	35.50	38.50	38.50	35.50	35.00	35.00	35.00	35.00	35.00	35.00	No Bid	No Bid	No Bid	No Bid
	Type 6F Top Course	> 750 Ton/Day	34.00	35.00	38.25	38.25	35.00	35.00	35.00	35.00	35.00	35.00	35.00	No Bid	No Bid	No Bid	No Bid
	Type 6F Top Course (Recycled)	1-750 Ton/Day	No Bid	34.25	No Bid	No Bid	No Bid	35.00	35.00	35.00	35.00	35.00	35.00	No Bid	No Bid	No Bid	No Bid
	Type 6F Top Course (Recycled)	> 750 Ton/Day	No Bid	33.75	No Bid	No Bid	No Bid	35.00	35.00	35.00	35.00	35.00	35.00	No Bid	No Bid	No Bid	No Bid
	Type 7F Top Course	1-750 Ton/Day	35.50	36.50	39.50	39.50	36.50	36.00	36.00	36.00	36.00	36.00	36.00	No Bid	No Bid	No Bid	No Bid
	Type 7F Top Course	> 750 Ton/Day	35.50	36.00	39.25	39.25	36.00	36.00	36.00	36.00	36.00	36.00	36.00	No Bid	No Bid	No Bid	No Bid
	Type 7F Top Course (Recycled)	1-750 Ton/Day	No Bid	35.50	No Bid	No Bid	No Bid	36.00	36.00	36.00	36.00	36.00	36.00	No Bid	No Bid	No Bid	No Bid
	Type 7F Top Course (Recycled)	> 750 Ton/Day	No Bid	35.25	No Bid	No Bid	No Bid	36.00	36.00	36.00	36.00	36.00	36.00	No Bid	No Bid	No Bid	No Bid
	Flexible Overlay	1-750 Ton/Day	No Bid	36.50	No Bid	39.50	36.50	36.00	36.00	36.00	36.00	36.00	36.00	No Bid	No Bid	No Bid	No Bid
	Flexible Overlay	> 750 Ton/Day	No Bid	36.00	No Bid	39.25	36.00	36.00	36.00	36.00	36.00	36.00	36.00	No Bid	No Bid	No Bid	No Bid
	Flexible Top	1-750 Ton/Day	37.00	35.50	No Bid	38.50	35.50	35.00	35.00	35.00	35.00	35.00	35.00	No Bid	No Bid	No Bid	No Bid
	Flexible Top	> 750 Ton/Day	37.00	35.00	No Bid	38.25	35.00	35.00	35.00	35.00	35.00	35.00	35.00	No Bid	No Bid	No Bid	No Bid
	True & Leveling F9, Superpave HMA, (< 0.3 M ESAL's)	TON	34.00	35.50	No Bid	38.50	35.50	36.00	36.00	36.00	36.00	36.00	35.00	No Bid	No Bid	No Bid	No Bid
	True & Leveling F9, Superpave HMA, (< 3 M ESAL's)	TON	34.00	35.50	No Bid	38.50	35.50	36.00	36.00	36.00	36.00	36.00	35.00	No Bid	No Bid	No Bid	No Bid
	Shim Course F9, Superpave HMA, (< 0.3 M ESAL's)	TON	42.00	40.00	No Bid	45.00	40.00	40.00	40.00	40.00	40.00	40.00	36.00	No Bid	No Bid	No Bid	No Bid
	Shim Course F9, Superpave HMA, (< 3 M ESAL's)	TON	42.00	40.00	No Bid	45.00	40.00	40.00	40.00	40.00	40.00	40.00	36.00	No Bid	No Bid	No Bid	No Bid
	Top Course 9.5 mm F2 Superpave HMA, (< 0.3 M ESAL's)	1-750 Ton/Day	36.00	36.50	No Bid	39.50	36.50	36.00	36.00	36.00	36.00	36.00	40.00	No Bid	No Bid	No Bid	No Bid
	Top Course 9.5 mm F2 Superpave HMA, (< 0.3 M ESAL's)	> 750 Ton/Day	36.00	36.00	No Bid	39.25	36.00	36.00	36.00	36.00	36.00	36.00	40.00	No Bid	No Bid	No Bid	No Bid
	Top Course 9.5 mm F2 Superpave HMA, (< 3 M ESAL's)	1-750 Ton/Day	36.00	36.50	No Bid	39.25	36.50	36.00	36.00	36.00	36.00	36.00	36.00	No Bid	No Bid	No Bid	No Bid

HIGHWAY MATERIALS GROUP II

ITEM ASPHALT CONCRETE ASPHALT COURSES

Asphalt Material Base Price (Index 229.000)

ITEM #	MATERIAL	Unit	Barre Stone - Albion	Hanson Aggregates - HF	Hanson - McKee Road	Hanson Aggregates - Sctsv. Road	Hanson Aggregates - Stafford	Iroquois Rock - Brockport	Iroquois Rock - Henrietta	Rochester Asphalt Material - Gates	Rochester Asphalt Material - Penfield	Rochester Asphalt Material - Victor	Rochester Asphalt Material - Walworth	Keeler Construction	Macedon Landscape	Midland Asphalt	I.M.U.S. Inc.
	Top Course 9.5 mm F2 Superpave HMA, (< 3 M ESAL's)	> 750 Ton/Day	36.00	36.00	No Bid	39.25	36.00	36.00	36.00	36.00	36.00	36.00	36.00	No Bid	No Bid	No Bid	No Bid
	Binder Course 12.5 mm F2 Superpave HMA, (< 0.3 M ESAL's)	1-750 Ton/Day	35.00	35.50	No Bid	38.50	35.50	33.00	33.00	33.00	33.00	33.00	36.00	No Bid	No Bid	No Bid	No Bid
	Binder Course 12.5 mm F2 Superpave HMA, (< 0.3 M ESAL's)	> 750 Ton/Day	35.00	35.00	No Bid	38.25	35.00	33.00	33.00	33.00	33.00	33.00	33.00	No Bid	No Bid	No Bid	No Bid
	Binder Course 12.5 mm F2 Superpave HMA, (< 0.3 M ESAL's)	1-750 Ton/Day	35.00	35.50	No Bid	38.50	35.50	33.00	33.00	33.00	33.00	33.00	33.00	No Bid	No Bid	No Bid	No Bid
	Binder Course 12.5 mm F2 Superpave HMA, (< 0.3 M ESAL's)	> 750 Ton/Day	35.00	35.00	No Bid	38.25	35.00	33.00	33.00	33.00	33.00	33.00	33.00	No Bid	No Bid	No Bid	No Bid
	Base Course 19 mm F9 Superpave HMA, (< 0.3 M ESAL's)	1-750 Ton/Day	33.00	34.00	No Bid	35.50	34.00	32.00	32.00	32.00	32.00	32.00	33.00	No Bid	No Bid	No Bid	No Bid
	Base Course 19 mm F9 Superpave HMA, (< 0.3 M ESAL's)	> 750 Ton/Day	33.00	33.75	No Bid	35.25	33.75	32.00	32.00	32.00	32.00	32.00	32.00	No Bid	No Bid	No Bid	No Bid
	Base Course 19 mm F9 Superpave HMA, (< 3 M ESAL's)	1-750 Ton/Day	33.00	34.00	No Bid	35.50	34.00	32.00	32.00	32.00	32.00	32.00	32.00	No Bid	No Bid	No Bid	No Bid
	Base Course 19 mm F9 Superpave HMA, (< 3 M ESAL's)	> 750 Ton/Day	33.00	33.75	No Bid	35.25	33.75	32.00	32.00	32.00	32.00	32.00	32.00	No Bid	No Bid	No Bid	No Bid
	Plant Mixed Stockpile Patching Material	Ton	50.00	46.00	46.00	46.00	46.00	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	73.95
	Modified Stockpile Patching Materials	Ton	80.00	76.00	76.00	76.00	76.00	70.00	70.00	70.00	70.00	70.00	70.00	No Bid	No Bid	No Bid	73.95
	ReCrushed Asphalt Millings	Ton	7.00	6.00	No Bid	No Bid	6.00	No Bid	No Bid	5.50	5.50	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Asphalt Millings Credit	Ton	No Bid	1.00	No Bid	No Bid	1.00	No Bid	No Bid	1.00	1.00	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Delivery Cost 1st Mile (To be applied to Asphalt Items)	Ton	No Bid	2.00	No Bid	2.00	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.25	No Bid	No Bid	0.50
	Delivery Cost additional Miles (To be applied to Asphalt Items)	Ton	No Bid	0.25	No Bid	0.25	0.25	0.40	0.40	0.40	0.40	0.40	0.40	0.25	No Bid	No Bid	0.20
	Bituminous Material (Liquid) Tack Coat	5 gallon	32.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	No Bid	No Bid	15.00	No Bid
	Paver Rental	Full Day	No Bid	1,500	1,500	1,500	1,500	1,400	1,400	1,400	1,400	1,400	1,400	1,440	1,300	No Bid	No Bid
	Paver Rental	Half Day	No Bid	1,000	1,000	1,000	1,000	900	900	900	900	900	900	720	900	No Bid	No Bid
	Paver Operator Straight Time	Hour	No Bid	50	50	50	50	65	65	65	65	65	65	70	65	No Bid	No Bid
	Paver Operator Over Time	Hour	No Bid	50	50	50	50	90	90	90	90	90	90	90	80	No Bid	No Bid
	Screedman Straight Time	Hour	No Bid	50	50	50	50	65	65	65	65	65	65	60	65	No Bid	No Bid
	Screedman Overtime	Hour	No Bid	50	50	50	50	90	90	90	90	90	90	80	80	No Bid	No Bid
	Heavy Laborer Straight Time	Hour	No Bid	60	60	60	60	60	60	60	60	60	60	60	No Bid	No Bid	No Bid
	Heavy Laborer Overtime	Hour	No Bid	60	60	60	60	80	80	80	80	80	80	80	No Bid	No Bid	No Bid

HIGHWAY MATERIALS GROUP II

ITEM STONE AGGREGATE (QUARRY)

ITEM #	MATERIAL	UNIT	Barre Stone - Albion	Dolomite - Gates	Dolomite - LeRoy	Dolomite - Ogden	Dolomite - Penfield	Dolomite - Walworth	Hanson Aggregates - Clarendon	Hanson Aggregates - HF	Hanson Aggregates - McKee Rd	Hanson Aggregates - Sctsv. Rd	Hanson Aggregates - Stafford	Iroquois Rock Brockport
	5/8" Crushed Stone	Ton	9.00	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	8.00	10.50	10.50	8.00	No Bid
	5/8" Crusher Run	Ton	6.75	11.50	6.20	No Bid	7.70	7.00	No Bid	8.00	10.50	10.50	8.00	7.00
	#1 Crushed Stone (10% fines)	Ton	9.00	12.00	7.25	No Bid	8.75	7.75	6.15	6.15	10.50	10.50	6.15	8.40
	#1 Crusher Run (50% fines)	Ton	6.55	7.90	5.70	No Bid	7.20	6.50	No Bid	No Bid	No Bid	No Bid	No Bid	6.50
	#2 Crushed Stone (10% fines)	Ton	8.00	12.00	7.25	7.00	8.75	7.75	6.15	6.15	10.50	10.50	6.15	8.40
	#2 Crusher Run (50% fines)	Ton	6.30	7.40	5.20	No Bid	6.70	6.00	No Bid	No Bid	No Bid	No Bid	No Bid	6.00
	Crushed Stone Screenings	Ton	8.00	No Bid	7.25	6.50	8.75	7.75	8.00	8.00	No Bid	No Bid	8.00	8.40
	#1 Washed Crushed Stone	Ton	9.00	No Bid	7.75	No Bid	9.00	8.20	8.00	8.00	No Bid	No Bid	8.00	9.00
	#1A Stone	Ton	10.95	No Bid	8.00	No Bid	8.50	7.75	9.50	9.50	No Bid	No Bid	9.50	7.50
	3/8" Washed Stone	Ton	9.00	No Bid	8.25	No Bid	No Bid	8.50	No Bid	8.00	No Bid	No Bid	8.00	No Bid
	#1A Washed Stone	Ton	10.95	No Bid	8.50	No Bid	9.00	8.50	9.50	9.50	No Bid	No Bid	9.50	9.50
	#1B Stone	Ton	9.00	No Bid	7.25	No Bid	8.75	7.75	No Bid	9.50	No Bid	No Bid	9.50	8.40
	#1B Washed Stone	Ton	9.00	No Bid	7.75	No Bid	9.25	8.25	10.50	9.50	No Bid	No Bid	9.50	8.90
	#1 ST Washed Stone	Ton	No Bid	No Bid	8.25	No Bid	No Bid	No Bid	No Bid	8.00	No Bid	No Bid	8.00	No Bid
	#2 Stone	Ton	8.00	12.00	7.25	No Bid	8.75	7.75	8.00	8.00	No Bid	No Bid	8.00	8.40
	#2 Washed Stone	Ton	8.00	No Bid	7.75	No Bid	9.25	8.25	8.00	8.00	No Bid	No Bid	8.00	8.90
	#3 Stone	Ton	8.25	12.00	7.25	No Bid	8.75	7.75	No Bid	8.00	No Bid	No Bid	8.00	8.40
	#4 Stone	Ton	8.25	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	8.00	No Bid	No Bid	8.00	No Bid

* Excludes med, heavy and Rip Rap

(1) Delivery to be done by Keeler Construction. Need Keeler PO.

HIGHWAY MATERIALS GROUP II

ITEM STONE AGGREGATE (QUARRY)

ITEM #	MATERIAL	UNIT	Barre Stone - Albion	Dolomite - Gates	Dolomite - LeRoy	Dolomite - Ogden	Dolomite - Penfield	Dolomite - Walworth	Hanson Aggregates - Clarendon	Hanson Aggregates - HF	Hanson Aggregates - McKee Rd	Hanson Aggregates - Sctsv. Rd	Hanson Aggregates - Stafford	Iroquois Rock Brockport
	#4A Stone	Ton	8.75	No Bid	7.50	No Bid	8.75	7.75	No Bid	8.00	No Bid	No Bid	No Bid	No Bid
	#5 Stone	Ton	8.75	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	8.00	No Bid	No Bid	No Bid	No Bid
	Screened Gravel	Ton	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Recycled Concrete	Ton	7.00	5.50	No Bid	No Bid	5.50	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Stone Filling (Fine)	Ton	8.00	No Bid	7.25	No Bid	9.00	8.00	8.25	8.25	No Bid	No Bid	8.25	8.00
	Stone Filling (Light)	Ton	8.00	No Bid	9.25	No Bid	10.85	10.00	8.25	8.25	No Bid	No Bid	8.25	9.75
	Stone Filling (Medium)	Ton	10.00	No Bid	11.00	11.00	11.75	11.00	10.75	10.75	No Bid	No Bid	10.75	11.00
	Stone Filling (Heavy)	Ton	11.50	No Bid	13.00	13.75	13.50	12.75	11.50	11.50	No Bid	No Bid	11.50	13.25
	Rip Rap	Ton	11.50	No Bid	13.00	13.75	13.50	12.75	11.50	11.50	No Bid	No Bid	11.50	13.25
	Plant Mixing of Aggregates	Ton	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	0.50	0.50	No Bid	No Bid	0.50	No Bid
	Delivery Cost 1st Mile (to be applied to the aggregate bid items)	Ton	(1) 3.25	3.00	3.00	3.00	3.00	3.00	0.50	0.50	No Bid	No Bid	0.50	*3.00
	Delivery Cost additional Miles (to be applied to the aggregate bid items)	Ton	(1) .25	0.25	0.25	0.25	0.25	0.25	0.20	0.20	No Bid	No Bid	0.20	0.25
	Pretreating Aggregate (A) #1 Stone	Gal.	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Pretreating Aggregate (A) #1A Stone	Gal.	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Pretreating Aggregate (A) #1ST Stone	Gal.	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Pretreating Aggregate (B) #1 Stone	Ton	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Pretreating Surface t Aggregate (B) #1A Stone	Ton	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Pretreating Aggregate (B) #1ST Stone	Ton	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid

* Excludes med, heavy and Rip Rap

(1) Delivery to be done by Keeler Construction. Need Keeler PO.

HIGHWAY MATERIALS GROUP II

ITEM _____ STONE AGGREGATE (GRAVEL PIT)

ITEM #	MATERIAL	UNIT	Elam Sand & Gravel	Hamlin Sand & Gravel	Valley Sand & Gravel Scottsville	UNIT	Elam Sand & Gravel	Dolomite - Avon	Dolomite - Mendon	Macedon Landscape	Valley Sand & Gravel Scottsville	Syracusa Sand & Gravel Victor
	5/8" Crushed Stone	CY	No Bid	No Bid	No Bid	TON	No Bid	No Bid	No Bid	No Bid	No Bid	8.00
	5/8" Crusher Run	CY	No Bid	No Bid	No Bid	TON	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	#1 Crushed Stone (10% fines)	CY	No Bid	No Bid	No Bid	TON	No Bid	7.25	7.25	No Bid	9.25	No Bid
	#1 Crusher Run (50% fines)	CY	No Bid	No Bid	No Bid	TON	No Bid	5.50	5.50	No Bid	No Bid	No Bid
	#2 Crushed Stone (10% fines)	CY	No Bid	No Bid	No Bid	TON	No Bid	7.75	7.25	No Bid	9.25	No Bid
	#2 Crusher Run (50% fines)	CY	No Bid	No Bid	No Bid	TON	No Bid	5.00	5.00	No Bid	No Bid	No Bid
	Crushed Stone Screenings	CY	No Bid	No Bid	No Bid	TON	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	#1 Washed Crushed Stone	CY	No Bid	No Bid	No Bid	TON	No Bid	7.25	7.25	No Bid	9.25	8.00
	#1A Stone	CY	No Bid	No Bid	No Bid	TON	No Bid	7.25	7.25	No Bid	No Bid	No Bid
	3/8" Washed Stone	CY	No Bid	No Bid	No Bid	TON	No Bid	No Bid	7.25	No Bid	No Bid	No Bid
	#1A Washed Stone	CY	No Bid	No Bid	No Bid	TON	No Bid	7.25	7.25	No Bid	7.00	8.50
	#1B Stone	CY	No Bid	No Bid	No Bid	TON	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	#1B Washed Stone	CY	No Bid	No Bid	No Bid	TON	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	#1 ST Washed Stone	CY	No Bid	No Bid	No Bid	TON	No Bid	No Bid	7.75	No Bid	No Bid	No Bid
	#2 Stone	CY	No Bid	No Bid	No Bid	TON	No Bid	7.25	7.25	No Bid	No Bid	8.00

* 18 Ton Minimum Load

HIGHWAY MATERIALS GROUP II

ITEM _____ STONE AGGREGATE (GRAVEL PIT)

ITEM #	MATERIAL	UNIT	Elam Sand & Gravel	Hamlin Sand & Gravel	Valley Sand & Gravel Scottsville	UNIT	Elam Sand & Gravel	Dolomite - Avon	Dolomite - Mendon	Macedon Landscape	Valley Sand & Gravel Scottsville	Syracusa Sand & Gravel Victor
	#2 Washed Stone	CY	No Bid	No Bid	No Bid	TON	No Bid	7.25	7.25	No Bid	No Bid	No Bid
	#3 Stone	CY	No Bid	No Bid	No Bid	TON	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	#4 Stone	CY	No Bid	No Bid	No Bid	TON	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	#4A Stone	CY	No Bid	No Bid	No Bid	TON	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	#5 Stone	CY	No Bid	No Bid	No Bid	TON	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Screened Gravel	CY	No Bid	6.50	7.50	TON	3.95	5.00	5.00	3.90	No Bid	5.50
	Recycled Concrete	CY	No Bid	No Bid	No Bid	TON	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Stone Filling (Fine)	CY	No Bid	No Bid	No Bid	TON	No Bid	No Bid	No Bid	No Bid	No Bid	15.50
	Stone Filling (Light)	CY	No Bid	No Bid	No Bid	TON	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Stone Filling (Medium)	CY	No Bid	No Bid	No Bid	TON	No Bid	No Bid	No Bid	No Bid	No Bid	10.50
	Stone Filling (Heavy)	CY	No Bid	No Bid	No Bid	TON	No Bid	No Bid	No Bid	No Bid	No Bid	22.50
	Rip Rap	CY	No Bid	No Bid	No Bid	TON	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Plant Mixing of Aggregates	CY	No Bid	No Bid	No Bid	TON	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Delivery Cost 1st Mile (to be added to the per UNIT cost)	CY	No Bid	No Bid	No Bid	TON	4.60	3.00	3.00	No Bid	No Bid	*5.50
	Delivery Cost additional Miles (to be added to the per UNIT cost)	CY	No Bid	No Bid	No Bid	TON	4.60	0.25	0.25	No Bid	No Bid	No Bid

* 18 Ton Minimum Load

HIGHWAY MATERIALS GROUP II

ITEM CONCRETE MIXES DELIVERED

ITEM #	MATERIAL	UNIT	UNIT PRICE	VENDOR
	Concrete for Structures Class A	CY	85.00	Manitou Concrete
	Extra For "High Early"	CY	4.00	Manitou Concrete
	DCI	Gal.	7.00	Manitou Concrete
	Concrete for Structures Class D	CY	87.00	Manitou Concrete
	Extra For "High Early"	CY	4.00	Manitou Concrete
	DCI	Gal.	7.00	Manitou Concrete
	Concrete Grouting Material	CY	100.00	Hanson Aggregates
	Controlled Low Strength Material	CY	42.00	Manitou Concrete
	Flowable Fill (Pure Waters Blend)	CY	44.00	Manitou Concrete
ADDITIONAL ITEMS TO BE ADDED TO THE ABOVE BID PRICES				
	Extra For Heat	CY	7.00	Manitou Concrete
	Extra For Small Load	Load	75.00	Manitou Concrete
	Extra For Retarder	CY	2.00	Manitou Concrete
	Waiting Time (In excess of 1 hour)	Min.	1.00	Manitou Concrete and Hanson

HIGHWAY MATERIALS GROUP II

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

ITEM #	MATERIAL	UNIT	104 Contractors	American Green Landscape	Barre Stone Products - Albion	Dolomite - Avon	Dolomite - Mendon	Dolomite - Ogden	Elam Sand & Gravel - Ionia	Full Cycle - Various	Hamlin Sand & Gravel - Hamlin	Hanson Aggregates - Victor	Macedon Landscape - Macedon	Monroe Roadways - Various	Morrison Excavating - Various	R.M. Landscape	Soil Sifters - Various	Syracusa Sand & Gravel - Victor	Valley Sand & Gravel - Scottsville
	Topsoil	Ton	No Bid	No Bid	9.50	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	8.00	No Bid	No Bid
	Topsoil	CY	11.00	13.00	No Bid	No Bid	No Bid	No Bid	*18.50	10.25	No Bid	No Bid	10.25	H 10.50 ER 11.00	11.50 +19.50	u 8.00 s11.00	11.00	16.00	No Bid
	Fill Dirt Material	Ton	No Bid	No Bid	2.30	No Bid	3.00	3.00	2.40	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	3.25	4.85
	Fill Dirt Material	CY	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	5.00	3.50	No Bid	No Bid	No Bid	5.00	No Bid	6.00	No Bid	No Bid
	Compost Topsoil	Ton	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Compost Topsoil	CY	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	38.00	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Select Structural Fill	Ton	No Bid	No Bid	No Bid	5.00	5.00	No Bid	3.95	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	3.70	No Bid
	Select Structural Fill	CY	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	5.50	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Mortar Sand	Ton	No Bid	No Bid	No Bid	No Bid	8.50	No Bid	9.00	No Bid	No Bid	11.50	No Bid	No Bid	No Bid	No Bid	No Bid	11.00	No Bid
	Mortar Sand	CY	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Grout Sand	Ton	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	9.00	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Grout Sand	CY	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Concrete Sand	Ton	No Bid	No Bid	No Bid	7.50	7.50	No Bid	7.10	No Bid	No Bid	8.00	No Bid	No Bid	No Bid	No Bid	No Bid	8.00	8.40
	Concrete Sand	CY	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Material Hauling (Aggregate Items) 0 to 1 Mile	Ton	No Bid	No Bid	No Bid	3.00	3.00	3.00	4.60	No Bid	No Bid	0.50	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Material Hauling (Aggregate Items) >1 Mile	Ton	No Bid	No Bid	No Bid	0.25	0.25	0.25	4.60	No Bid	No Bid	0.20	No Bid	No Bid	No Bid	No Bid	No Bid	**5.50	No Bid
	Material Hauling (Aggregate Items) 0 to 1 Mile	CY	2.50	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
	Material Hauling (Aggregate Items) >1 Mile	CY	5.00	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid	***8.25	No Bid

* Delivered Only
 ** 18 Ton Minimum Load
 *** 15 CY Minimum Load
 + Dry Premium (Stored Inside)
 H- Henrietta
 ER- East Rochester
 u- Unscreened
 s- Screened

HIGHWAY MATERIALS GROUP II

ITEM VARIOUS CONSTRUCTION ITEMS

ITEM #	MATERIAL	UNIT	UNIT PRICE	VENDOR
	Common Sewer Brick	1050 Bricks/ Pallet	341.250	Miller Brick Co.
	Common Sewer Brick	525 Bricks/ 1/2 Pallet	170.630	Miller Brick Co.
	Patio Pavers	1050Bricks/ Pallet	341.250	Miller Brick Co.
	Highway Common Brick FULL HEIGHT	1050Bricks/ Pallet	341.250	Miller Brick Co.
	Highway Common Brick HALF HEIGHT	1050 Bricks / Pallet	341.250	Miller Brick Co.
	Highway Common Brick FULL HEIGHT	525 Bricks/ 1/2 Pallet	170.630	Miller Brick Co.
	Highway Common Brick HALF HEIGHT	525 Bricks/ 1/2 Pallet	170.630	Miller Brick Co.
	Grass Seed Pure Waters Blend	50 # Bag	46.000	R.M. Landscape
	Grass Seed Mill Seat Blend	50 # Bag	45.500	R.M. Landscape
	Grass Seed Highway Blend	50 # Bag	47.500	R.M. Landscape
	Turflin Ice Melter	Pallet	411.600	High Point Mills
	Turflin Ice Melter	50 # Bag	10.750	High Point Mills
	Pourable Crack Filler	5 Gal. Pail	No Bid	No Bid
	Mortar Mix	80 # Bag	4.810	Weckesser Brick
	Concrete Mix	80 # Bag	3.750	Keystone
	Portland Cement	94 # Bag	8.290	Volvo Rents
	Type S Pre Blended Mortar Mix (ASTM C270)	80 # Bag	4.250	Keystone
	Super 5000 Concrete Mix	80 # Bag	4.250	Keystone
	Speedcrete RED LINE	50 # Bag	14.500	Keystone
	Speedcrete GREEN LINE	50 # Bag	15.750	Volvo Rents
	Speedcrete BLUE LINE	50 # Bag	14.500	Keystone
	Black Beauty	100 # Bag	8.700	Volvo Rents

HIGHWAY MATERIALS GROUP II

ITEM VARIOUS CONSTRUCTION ITEMS

ITEM #	MATERIAL	UNIT	UNIT PRICE	VENDOR
	Plastic Safety Fence	Each /50 Foot Roll	20.200	Keystone
	Heavy Duty Polyethylene Snow Fence	Each /100 Foot Roll	No Bid	No Bid
	Prefabricated Adjustment Rings For Manholes	Each	95.000	Syracuse Castings
	Steel Snow Fence Post	Each	4.930	Chemung Supply
	656-2 Calcium Chloride	50 # bag	10.620	Chemung Supply
	12" PVC Drain Basin	Each	350.000	Chemung Supply
	12" Cast Iron Frame and Hinged Grate	Each	48.310	Chemung Supply
	12" PVC Drain Basin and Cast Iron Frame and Hinged Grate	Each	350.000	Chemung Supply
	Geotextile Bedding Fabric	SF	0.160	Keystone
	Geotextile Undercut Separation Fabric	SF	0.061	Volvo Rents
	Geotextile Drainage Fabric	SF	0.055	Volvo Rents
	Erosion Control Silt Fence	LF	0.225	Chemung Supply
	Turbidity Curtain	SF	1.750	Keystone
	Sediment Filtration Mat	SF	1.787	Volvo Rents
	Silt Filtration Bag	Each	58.490	Volvo Rents
	Geotextile Slope Protection Temporary	SF	0.066	Volvo Rents
	Geotextile Slope Protection Permanent	SF	0.066	Volvo Rents

HIGHWAY MATERIALS GROUP II

ITEM VARIOUS CONSTRUCTION ITEMS

ITEM #	MATERIAL	UNIT	UNIT PRICE	VENDOR
	Centerline Delineators	Box	No Bid	No Bid
	42 "Channelizer Cone with 16 # Rubber base with Reflective Sheeting	Each	25.000	Work Area Protection Corp.
	42 "Channelizer Cones with 16 # Rubber base w/ out Reflective Sheeting	Each	22.500	Work Area Protection Corp.
	42 "Channelizer Cone (only) w/ out Reflective Sheeting	Each	12.190	Work Area Protection Corp.
	42 "Channelizer Cone (only) with Reflective Sheeting	Each	13.880	Work Area Protection Corp.
	16 # Rubber Bases (only)	Each	13.310	Work Area Protection Corp.
	Surface Applied Detectable Warning Materials	SF	27.750	Volvo Rents
	Embedded Preformed Detectable Warning Materials	SF (full pallet)	895.700	Keystone
	Embedded Performed Detectable Warning Materials	SF (half pallet)	No Bid	No Bid
	3M TM STAMARK TM Series 750 WET REFLECTIVE REMOVABLE TAPE - WHITE	Roll	No Bid	No Bid
	3M TM STAMARK TM Series 750 WET REFLECTIVE REMOVABLE TAPE - YELLOW	Roll	No Bid	No Bid
	3M TM STAMARK TM SERIES 380I ES 4" X 25 YDS. - WHITE	Roll	No Bid	No Bid
	3M TM STAMARK TM SERIES 380I ES 4" X 100 YDS - WHITE	Roll	No Bid	No Bid
	3M TM STAMARK TM SERIES 380I ES 4" X 25 YDS - YELLOW	Roll	No Bid	No Bid
	3M TM STAMARK TM SERIES 380I ES 4" X 100 YDS - YELLOW	Roll	No Bid	No Bid
	3M TM STAMARK TM SERIES L 380I ES STRAIGHT ARROW	EACH	No Bid	No Bid
	3M TM STAMARK TM SERIES L 380I ES LEFT CURVE ARROW	EACH	No Bid	No Bid
	3M TM STAMARK TM SERIES L 380I ES RIGHT CURVE ARROW	EACH	No Bid	No Bid

HIGHWAY MATERIALS GROUP II

ITEM VARIOUS CONSTRUCTION ITEMS

ITEM #	MATERIAL	UNIT	UNIT PRICE	VENDOR
	3M TM STAMARK TM SERIES L 380I ES "ONLY" LEGEND	EACH	No Bid	No Bid
	3M TM STAMARK TM SERIES L 380I ES 4 FT BICYCLE SYMBOL	EACH	No Bid	No Bid
	3M TM STAMARK TM SERIES L 380I ES RR XING PKG (72")	EACH	No Bid	No Bid
	3M TM STAMARK TM SERIES L 380I ES "SCHOOL" LEGEND	EACH	No Bid	No Bid
	3M TM STAMARK TM SERIES L 380I ES "STOP" LEGEND	EACH	No Bid	No Bid
	3M TM STAMARK TM SERIES L 380I ES "XING" LEGEND	EACH	No Bid	No Bid
	3M TM STAMARK TM SERIES L 380I ES "AHEAD" LEGEND	EACH	No Bid	No Bid
	3M TM STAMARK TM SERIES L 380I ES 6' STRAIGHT BIKE ARROW	EACH	No Bid	No Bid
	3M TM STAMARK TM SERIES L 380I ES 8' BIKE SYMBOL	EACH	No Bid	No Bid
	3M TM STAMARK TM SERIES 6330 RIGHT CURVE ARROW	EACH	No Bid	No Bid
	3M TM STAMARK TM SERIES 6330 LEFT CURVE ARROW	EACH	No Bid	No Bid
	3M TM STAMARK TM SERIES 6330 " ONLY" LEGEND	EACH	No Bid	No Bid
	3M TM STAMARK TM SERIES 6330 48" X 30 YDS - WHITE	ROLL	No Bid	No Bid
	3M TM STAMARK TM SERIES 5730 4" X 120 YDS - WHITE	ROLL	No Bid	No Bid
	3M TM STAMARK TM SERIES 5730 4" X 120 YDS - YELLOW	ROLL	No Bid	No Bid
	3M TM STAMARK TM SERIES 5730 12" X 30 YDS - WHITE	ROLL	No Bid	No Bid
	3M TM STAMARK TM SERIES 5730 16" X 30 YDS - WHITE	ROLL	No Bid	No Bid
	STAMARK CONTACT CEMENT E-44T	5 GALLON	No Bid	No Bid

HIGHWAY MATERIALS GROUP II

ITEM VARIOUS CONSTRUCTION ITEMS

ITEM #	MATERIAL	UNIT	UNIT PRICE	VENDOR
	Set 45 Concrete (Speedcrete 2028)	50 # Bag	19.000	Volvo Rents
	Penetrating Protective Sealer (Barricade 100)	Gal.	42.000	Volvo Rents
	Cono/Crete 149 Epoxy Mortor Doral Flex Patch	40 # cntr	60.000	Volvo Rents
	Thorite Fast Setting High Strength Patching Material	50 # Bag	20.000	Volvo Rents
	Preformed Elastic Bridge Joint Sealer	LF	No Bid	No Bid
	Membrane Water Proofing	SF	0.800	Volvo Rents
	Catalytic Bonding Asphalt	5 Gal.	55.000	Volvo Rents
	Elastomeric Concrete	672 ci	No Bid	No Bid
	Wabocrete II	Kit	No Bid	No Bid
	Duraweld -C Armetec (Hornweld)	5 Gal.	80.000	Volvo Rents
	Epoxy Polysulfide Binder	3 Gal.	200.000	Volvo Rents
	EUCO Concrete Coat Latex Modified Patch Kit	Kit	44.200	Volvo Rents
	EUCO Vericoat w/ 1 gal. Verticn mix liquid	Kit	39.280	Volvo Rents
	BITUTANE 4000 Membrane	SF	0.620	Keystone
	BITUTANE P-3000 Primer	Gal.	53.100	Keystone
	BITUTANE Edge Mastic	Gal.	23.950	Keystone
	WR 140 Industrial Water Based Water Repellent (Chemstop)	Gal.	15.000	Volvo Rents
	Concrete Forming System	SF	No Bid	No Bid
	Woven Polyethelene Nylon Sheets (20' X 100')	Roll	94.750	Keystone
	Woven Polyethelene Nylon Sheets (40' X 100')	Roll	180.900	Keystone

HIGHWAY MATERIALS GROUP III

ITEM POLYETHYLENE PIPE PRODUCTS BY ADVANCE DRAINAGE SYSTEM (ADS)

ITEM #	MATERIAL	SIZE (inch)	A BID per LF (Truck Load)	B BID per LF (Less than Truck Load)	VENDOR
	Corrugated Polyethylene Smooth Interior Pipe Non-Gasketed w/ external couplers (Perforated or Non-Perforated)	12	4.84	4.84	Chemung Supply
		15	6.23	6.23	Chemung Supply
		18	9.64	9.64	Chemung Supply
		24	14.53	14.53	Chemung Supply
		30	22.61	22.61	Chemung Supply
		36	28.55	28.55	Chemung Supply
		42	38.99	38.99	Chemung Supply
		48	44.88	44.88	Chemung Supply
	Corrugated Polyethylene Smooth Interior Pipe Bell & Spigot (Perforated or Non-Perforated)	12	4.85	4.85	Chemung Supply
		15	6.24	6.24	Chemung Supply
		18	9.65	9.65	Chemung Supply
		24	14.54	14.54	Chemung Supply
		30	22.61	22.61	Chemung Supply
		36	28.55	28.55	Chemung Supply
		42	39.00	39.00	Chemung Supply
		48	44.88	44.88	Chemung Supply

HIGHWAY MATERIALS GROUP III

ITEM POLYETHYLENE PIPE PRODUCTS BY ADVANCE DRAINAGE SYSTEM (ADS)

ITEM #	MATERIAL	SIZE (inch)	A BID per LF (Truck Load)	B BID per LF (Less than Truck Load)	VENDOR
	Corrugated Interior Polyethylene Pipe Non-Gasketed w/ external couplers (Perforated or Non-Perforated)	12	4.84	4.84	Chemung Supply
		15	6.23	6.23	Chemung Supply
		18	9.64	9.64	Chemung Supply
		24	14.53	14.53	Chemung Supply
		30	22.61	22.61	Chemung Supply
		36	28.55	28.55	Chemung Supply
		42	38.99	38.99	Chemung Supply
		48	44.88	44.88	Chemung Supply
	Perforated Polyethylene Tubing Non-Gasketed w/ external couplers (Perforated or Non-Perforated)	4	0.33	0.33	Chemung Supply
		6	0.84	0.84	Chemung Supply
		8	1.76	1.76	Chemung Supply
		10	3.41	3.41	Chemung Supply
	Perforated Polyethylene Tubing Bell & Spigot (Perforated or Non-Perforated)	4	No Bid	No Bid	No Bid
		6	No Bid	No Bid	No Bid
		8	No Bid	No Bid	No Bid
		10	No Bid	No Bid	No Bid

HIGHWAY MATERIALS GROUP III

ITEM POLYETHYLENE PIPE PRODUCTS BY ADVANCE DRAINAGE SYSTEM (ADS)

ITEM #	MATERIAL	SIZE (inch)	UNIT	UNIT PRICE	VENDOR
	Saddle Tees 4"	4x12	Each	27.81	Chemung Supply
		4x15	Each	29.87	Chemung Supply
		4x18	Each	47.38	Chemung Supply
		4x24	Each	49.44	Chemung Supply
		4x30	Each	67.98	Chemung Supply
		4x36	Each	79.31	Chemung Supply
	Saddle Tees 6"	6x12	Each	27.81	Chemung Supply
		6x15	Each	37.08	Chemung Supply
		6x18	Each	53.56	Chemung Supply
		6x24	Each	58.71	Chemung Supply
		6x30	Each	75.19	Chemung Supply
		6x36	Each	83.43	Chemung Supply
	Clay Adapter	3	Each	1.16	Chemung Supply
		4	Each	1.16	Chemung Supply
		6	Each	3.33	Chemung Supply
	Snap T's	4X4	Each	2.78	Chemung Supply
	Snap T's	6X6	Each	6.18	Chemung Supply
	Snap T's	6X4	Each	6.35	Chemung Supply

HIGHWAY MATERIALS GROUP III

ITEM POLYETHYLENE PIPE PRODUCTS BY HANCOR

ITEM #	MATERIAL	SIZE (inch)	A BID per LF (Truck Load)	B BID per LF (Less than Truck Load)	VENDOR
	Corrugated Polyethylene Smooth Interior Pipe Non-Gasketed w/ external couplers (Perforated or Non-Perforated)	12	No Bid	No Bid	No Bid
		15	No Bid	No Bid	No Bid
		18	No Bid	No Bid	No Bid
		24	No Bid	No Bid	No Bid
		30	No Bid	No Bid	No Bid
		36	No Bid	No Bid	No Bid
		42	No Bid	No Bid	No Bid
		48	No Bid	No Bid	No Bid
	Corrugated Polyethylene Smooth Interior Pipe Bell & Spigot (Perforated or Non-Perforated)	12	No Bid	No Bid	No Bid
		15	No Bid	No Bid	No Bid
		18	No Bid	No Bid	No Bid
		24	No Bid	No Bid	No Bid
		30	No Bid	No Bid	No Bid
		36	No Bid	No Bid	No Bid
		42	No Bid	No Bid	No Bid
		48	No Bid	No Bid	No Bid

HIGHWAY MATERIALS GROUP III

ITEM POLYETHYLENE PIPE PRODUCTS BY HANCOR

ITEM #	MATERIAL	SIZE (inch)	A BID per LF (Truck Load)	B BID per LF (Less than Truck Load)	VENDOR
	Corrugated Interior Polyethylene Pipe Non-Gasketed w/ external couplers (Perforated or Non-Perforated)	12	No Bid	No Bid	No Bid
		15	No Bid	No Bid	No Bid
		18	No Bid	No Bid	No Bid
		24	No Bid	No Bid	No Bid
		30	No Bid	No Bid	No Bid
		36	No Bid	No Bid	No Bid
		42	No Bid	No Bid	No Bid
		48	No Bid	No Bid	No Bid
	Perforated Polyethylene Tubing Non-Gasketed w/ external couplers (Perforated or Non-Perforated)	4	No Bid	No Bid	No Bid
		6	No Bid	No Bid	No Bid
		8	No Bid	No Bid	No Bid
		10	No Bid	No Bid	No Bid
	Perforated Polyethylene Tubing Bell & Spigot (Perforated or Non-Perforated)	4	No Bid	No Bid	No Bid
		6	No Bid	No Bid	No Bid
		8	No Bid	No Bid	No Bid
		10	No Bid	No Bid	No Bid

HIGHWAY MATERIALS GROUP III

ITEM POLYETHYLENE PIPE PRODUCTS BY HANCOR

ITEM #	MATERIAL	SIZE (inch)	UNIT	UNIT PRICE	VENDOR
	Saddle Tees 4"	4x12	Each	No Bid	No Bid
		4x15	Each	No Bid	No Bid
		4x18	Each	No Bid	No Bid
		4x24	Each	No Bid	No Bid
		4x30	Each	No Bid	No Bid
		4x36	Each	No Bid	No Bid
	Saddle Tees 6"	6x12	Each	No Bid	No Bid
		6x15	Each	No Bid	No Bid
		6x18	Each	No Bid	No Bid
		6x24	Each	No Bid	No Bid
		6x30	Each	No Bid	No Bid
		6x36	Each	No Bid	No Bid
	Clay Adapter	3	Each	No Bid	No Bid
		4	Each	No Bid	No Bid
		6	Each	No Bid	No Bid
	Snap T's	4X4	Each	No Bid	No Bid
	Snap T's	6X6	Each	No Bid	No Bid
	Snap T's	6X4	Each	No Bid	No Bid

HIGHWAY MATERIALS GROUP III

ITEM POLYETHYLENE PIPE PRODUCTS BY LANE

ITEM #	MATERIAL	SIZE (inch)	A BID per LF (Truck Load)	B BID per LF (Less than Truck Load)	VENDOR
	Corrugated Polyethylene Smooth Interior Pipe Non-Gasketed w/ external couplers (Perforated or Non-Perforated)	12	No Bid	No Bid	No Bid
		15	No Bid	No Bid	No Bid
		18	No Bid	No Bid	No Bid
		24	No Bid	No Bid	No Bid
		30	No Bid	No Bid	No Bid
		36	No Bid	No Bid	No Bid
		42	No Bid	No Bid	No Bid
		48	No Bid	No Bid	No Bid
	Corrugated Polyethylene Smooth Interior Pipe Bell & Spigot (Perforated or Non-Perforated)	12	No Bid	No Bid	No Bid
		15	No Bid	No Bid	No Bid
		18	No Bid	No Bid	No Bid
		24	No Bid	No Bid	No Bid
		30	No Bid	No Bid	No Bid
		36	No Bid	No Bid	No Bid
		42	No Bid	No Bid	No Bid
		48	No Bid	No Bid	No Bid

HIGHWAY MATERIALS GROUP III

ITEM POLYETHYLENE PIPE PRODUCTS BY LANE

ITEM #	MATERIAL	SIZE (inch)	A BID per LF (Truck Load)	B BID per LF (Less than Truck Load)	VENDOR
	Corrugated Interior Polyethylene Pipe Non-Gasketed w/ external couplers (Perforated or Non-Perforated)	12	No Bid	No Bid	No Bid
		15	No Bid	No Bid	No Bid
		18	No Bid	No Bid	No Bid
		24	No Bid	No Bid	No Bid
		30	No Bid	No Bid	No Bid
		36	No Bid	No Bid	No Bid
		42	No Bid	No Bid	No Bid
		48	No Bid	No Bid	No Bid
	Perforated Polyethylene Tubing Non-Gasketed w/ external couplers (Perforated or Non-Perforated)	4	No Bid	No Bid	No Bid
		6	No Bid	No Bid	No Bid
		8	No Bid	No Bid	No Bid
		10	No Bid	No Bid	No Bid
	Perforated Polyethylene Tubing Bell & Spigot (Perforated or Non-Perforated)	4	No Bid	No Bid	No Bid
		6	No Bid	No Bid	No Bid
		8	No Bid	No Bid	No Bid
		10	No Bid	No Bid	No Bid

HIGHWAY MATERIALS GROUP III

ITEM POLYETHYLENE PIPE PRODUCTS BY LANE

ITEM #	MATERIAL	SIZE (inch)	UNIT	UNIT PRICE	VENDOR
	Saddle Tees 4"	4x12	Each	No Bid	No Bid
		4x15	Each	No Bid	No Bid
		4x18	Each	No Bid	No Bid
		4x24	Each	No Bid	No Bid
		4x30	Each	No Bid	No Bid
		4x36	Each	No Bid	No Bid
	Saddle Tees 6"	6x12	Each	No Bid	No Bid
		6x15	Each	No Bid	No Bid
		6x18	Each	No Bid	No Bid
		6x24	Each	No Bid	No Bid
		6x30	Each	No Bid	No Bid
		6x36	Each	No Bid	No Bid
	Clay Adapter	3	Each	No Bid	No Bid
		4	Each	No Bid	No Bid
		6	Each	No Bid	No Bid
	Snap T's	4X4	Each	No Bid	No Bid
	Snap T's	6X6	Each	No Bid	No Bid
	Snap T's	6X4	Each	No Bid	No Bid

HIGHWAY MATERIALS GROUP III

ITEM ROUND CORRUGATED STEEL PIPE, UNDERDRAIN (COATED & UNCOATED) 2 2/3" X 1/2" AND SPLIT COUPLINGS

ITEM #	MATERIAL	SIZE (inch)	GAUGE	A BID per LF (Truck Load)	B BID per LF (Less than Truck Load)	VENDOR
	Round Corrugated Steel Pipe Uncoated	6	18	3.64	3.64	Chemung Supply
		8	16	5.79	5.79	Chemung Supply
		10	16	6.88	6.88	M.J. Pipe & Supply
		12	16	7.34	7.34	M.J. Pipe & Supply
		15	16	9.26	9.26	M.J. Pipe & Supply
		18	16	11.24	11.24	M.J. Pipe & Supply
		21	16	13.46	13.46	M.J. Pipe & Supply
		24	16	15.12	15.12	M.J. Pipe & Supply
		30	14	21.35	21.35	M.J. Pipe & Supply
		36	12	35.58	35.58	M.J. Pipe & Supply
		42	12	41.73	41.73	M.J. Pipe & Supply
		48	12	47.07	47.07	M.J. Pipe & Supply
		54	10	68.84	68.84	M.J. Pipe & Supply
		60	10	75.49	75.49	M.J. Pipe & Supply
		Round Corrugated Steel Pipe Uncoated Split Couplings	6	18	3.47	3.47
	8		16	5.71	5.71	Chemung Supply
	10		16	6.87	6.87	Chemung Supply
	12		16	7.34	7.34	M.J. Pipe & Supply
	15		16	9.26	9.26	M.J. Pipe & Supply
	18		16	11.24	11.24	M.J. Pipe & Supply
	21		16	13.46	13.46	M.J. Pipe & Supply
	24		16	15.07	15.07	Chemung Supply
	30		14	21.35	21.35	M.J. Pipe & Supply
	36		12	35.58	35.58	M.J. Pipe & Supply
	42		12	41.73	41.73	M.J. Pipe & Supply
	48		12	47.07	47.07	M.J. Pipe & Supply
	54		10	68.84	68.64	M.J. Pipe & Supply
	60		10	75.49	75.49	M.J. Pipe & Supply

HIGHWAY MATERIALS GROUP III

ITEM ROUND CORRUGATED STEEL PIPE, UNDERDRAIN (COATED & UNCOATED) 2 2/3" X 1/2" AND SPLIT COUPLINGS

ITEM #	MATERIAL	SIZE (inch)	GAUGE	A BID per LF (Truck Load)	B BID per LF (Less than Truck Load)	VENDOR
	Round Corrugated Steel Pipe Coated	6	18	4.50	4.50	Chemung Supply
		8	16	7.55	7.55	M.J. Pipe & Supply
		10	16	8.67	8.67	Chemung Supply
		12	16	8.94	8.94	M.J. Pipe & Supply
		15	16	11.63	11.63	M.J. Pipe & Supply
		18	16	14.30	14.30	M.J. Pipe & Supply
		21	16	16.98	16.98	M.J. Pipe & Supply
		24	16	19.03	19.03	M.J. Pipe & Supply
		30	14	25.65	25.65	M.J. Pipe & Supply
		36	12	40.95	40.95	M.J. Pipe & Supply
		42	12	47.97	47.97	M.J. Pipe & Supply
		48	12	54.07	54.07	M.J. Pipe & Supply
		54	10	77.13	77.13	M.J. Pipe & Supply
		60	10	84.56	84.56	M.J. Pipe & Supply
		Round Corrugated Steel Pipe Coated Split Couplings	6	18	4.27	4.27
	8		16	7.46	7.46	Chemung Supply
	10		16	8.26	8.26	Chemung Supply
	12		16	8.94	8.94	M.J. Pipe & Supply
	15		16	11.31	11.31	Chemung Supply
	18		16	13.69	13.69	Chemung Supply
	21		16	16.33	16.33	Chemung Supply
	24		16	19.03	19.03	M.J. Pipe & Supply
	30		14	25.65	25.65	M.J. Pipe & Supply
	36		12	40.93	40.93	M.J. Pipe & Supply
	42		12	47.97	47.97	M.J. Pipe & Supply
	48		12	54.07	54.07	M.J. Pipe & Supply
	54		10	77.13	77.13	M.J. Pipe & Supply
	60		10	84.56	84.56	M.J. Pipe & Supply

HIGHWAY MATERIALS GROUP III

ITEM ROUND CORRUGATED STEEL PIPE, UNDERDRAIN (COATED & UNCOATED) 2 2/3" X 1/2" AND SPLIT COUPLINGS

ITEM #	MATERIAL	SIZE (inch)	GAUGE	A BID per LF (Truck Load)	B BID per LF (Less than Truck Load)	VENDOR
	Perforated Corrugated Steel Pipe Underdrain	6	18	3.64	3.64	Chemung Supply
		8	16	5.79	5.79	Chemung Supply
		10	16	7.22	7.22	Chemung Supply
		12	16	7.34	7.34	M.J. Pipe & Supply
		15	16	9.26	9.26	M.J. Pipe & Supply
		18	16	11.24	11.24	M.J. Pipe & Supply
		21	16	13.46	13.46	M.J. Pipe & Supply
		24	16	15.13	15.13	M.J. Pipe & Supply
		30	14	21.35	21.35	M.J. Pipe & Supply
		36	12	35.58	35.58	M.J. Pipe & Supply
		42	12	41.73	41.73	M.J. Pipe & Supply
		48	12	47.07	47.07	M.J. Pipe & Supply
		54	10	68.84	68.84	M.J. Pipe & Supply
		60	10	75.49	75.49	M.J. Pipe & Supply
		Split Couplings	6	18	3.47	3.47
	8		16	5.71	5.71	Chemung Supply
	10		16	6.87	6.87	Chemung Supply
	12		16	7.34	7.34	M.J. Pipe & Supply
	15		16	9.26	9.26	M.J. Pipe & Supply
	18		16	11.24	11.24	M.J. Pipe & Supply
	21		16	13.46	13.46	M.J. Pipe & Supply
	24		16	15.07	15.07	Chemung Supply
	30		14	21.35	21.35	M.J. Pipe & Supply
	36		12	35.58	35.58	M.J. Pipe & Supply
	42		12	41.73	41.73	M.J. Pipe & Supply
	48		12	47.07	47.07	M.J. Pipe & Supply
	54		10	68.84	68.84	M.J. Pipe & Supply
	60		10	75.49	75.49	M.J. Pipe & Supply

HIGHWAY MATERIALS GROUP III

ITEM GALVANIZED STEEL END SECTIONS (2 2/3" X 1/2") CORRUGATION

ITEM #	MATERIAL	SIZE (inch)	GAUGE	BID Per Each.	VENDOR
	Galvanized Steel End Sections	6	18	80.80	Chemung Supply
		8	16	82.91	Chemung Supply
		10	16	85.49	Chemung Supply
		12	16	42.48	Chemung Supply
		15	16	53.81	Chemung Supply
		18	16	74.67	Chemung Supply
		21	16	92.70	Chemung Supply
		24	16	118.45	Chemung Supply
		30	14	247.00	M.J. Pipe & Supply
		36	12	350.20	Chemung Supply
		42	12	726.15	Chemung Supply
		48	12	798.25	Chemung Supply
		54	10	988.80	Chemung Supply
		60	10	1,493.50	Chemung Supply

HIGHWAY MATERIALS GROUP III

ITEM CORRUGATED GALAVANIZED STEEL ARCH PIPE

ITEM #	MATERIAL	SPAN (inch)	RISE (inch)	GAUGE	A BID per LF (Truck Load)	B BID per LF (Less than Truck Load)	VENDOR
	Corrugated Galvanized Steel Arch Pipe (2 2/3" X 1/2" Corrugation)	17	13	16	9.78	9.78	M.J. Pipe & Supply
		21	15	16	11.70	11.70	M.J. Pipe & Supply
		24	18	16	13.96	13.96	Chemung Supply
		28	20	14	18.57	18.57	Chemung Supply
		35	24	14	22.24	22.24	M.J. Pipe & Supply
		42	29	12	37.23	37.23	M.J. Pipe & Supply
		49	33	12	42.41	42.41	Chemung Supply
		57	38	10	62.83	62.83	Chemung Supply
		Corrugated Galvanized Steel Arch Pipe (3" X 1" Corrugation)	66	51	10	90.69	90.69
	73		56	10	98.87	98.87	M.J. Pipe & Supply
	80		59	10	106.10	106.10	M.J. Pipe & Supply

HIGHWAY MATERIALS GROUP III

ITEM CORRUGATED GALAVANIZED STEEL ARCH PIPE END SECTIONS

ITEM #	MATERIAL	SPAN (inch)	RISE (inch)	GAUGE	BID Per Each.	VENDOR
	Corrugated Galvanized Steel Arch Pipe End Sections (2 2/3" X 1/2" Corrugation)	17	13	16	46.41	Chemung Supply
		21	15	16	63.24	Chemung Supply
		24	18	16	86.19	Chemung Supply
		28	20	14	97.15	Chemung Supply
		35	24	14	210.12	Chemung Supply
		42	29	12	316.20	Chemung Supply
		49	33	12	510.00	Chemung Supply
		57	38	10	637.50	Chemung Supply
	Corrugated Galvanized Steel Arch Pipe End Sections (3" X 1" Corrugation)	66	51	10	1,157.70	Chemung Supply
		73	56	10	1,708.50	Chemung Supply
		80	59	10	1,795.20	Chemung Supply

CULVERT BAND BOLTS WITH NUTS

ITEM #	SPAN (inch)	BID Per Each.	VENDOR
	1/2" = 13X6"	3.50	Chemung Supply
	1/2" = 13X6"	3.50	Chemung Supply
	1/2" = 13X6"	3.50	Chemung Supply

HIGHWAY MATERIALS GROUP III

ITEM TURF FLOW TUBING AND FITTINGS

ITEM #	MATERIAL	SIZE (inch)	UNIT	UNIT PRICE
	Turf Flow Tubing	2"	LF	No Bid
	Coupler Fitting	2"	Each	No Bid
	End Cap Fitting	2"	Each	No Bid
	Tee Fitting	2"	Each	No Bid
	Tee Blind / Elbow Fitting	2"	Each	No Bid
VENDOR				No Bid