

**COUNTY OF MONROE  
DEPARTMENT OF TRANSPORTATION**

**ADDENDUM NO. 1  
TO THE  
CONSTRUCTION SPECIFICATIONS AND RELATED DOCUMENTS  
FOR  
PAUL ROAD – FISHER ROAD CORRIDOR IMPROVEMENTS  
Capital Improvement Project No. 1433  
NYS DOT P.I.N. 4754.24**

**PREPARED BY**

**Lu Engineers  
175 Sully's Trail, Suite 202  
Corporate Crossings Office Park  
Pittsford, NY 14534**



**TO ALL BIDDERS:**

The following constitutes ADDENDUM NO. 1 of the Contract Documents. Each Bidder shall acknowledge receipt of this Addendum on Page P-5 of the Proposal.

Pages ADD 1-1 through ADD 1-54

December 5, 2012

# PAUL ROAD – FISHER ROAD CORRIDOR IMPROVEMENTS

Capital Improvement Project No. 1433

## **TO ALL BIDDERS**

Pages ADD 1-1 through ADD 1-54 constitute Addendum No. 1 to the Contract Documents. Make the following changes to the Contract Documents, Contract Specifications and Related Documents:

### **A. CHANGES TO THE SPECIFICATION BOOK**

In the Proposal sheets, **REPLACE** sheets P-21 thru P-58 with the following attached P-21R (ADD 1-4) thru P-58R (ADD 1-41). Fixed price for Item 680.809908MO was provided, measurement unit for Item 608.13000008 was corrected from SF to SY, quantity for items 402.098302, 402.098312, 604.070401, 607.3002, 608.020102, 608.020112, 619.0801, and 619.0802 were changed, item 402.60720102 was deleted and items 402.99010003, 402.99010103, and 490.30 were added to the contract.

1. In the Specification Book, on Special Notes page SN-16, **ADD** note ‘5’ and the following text: “For more information or details about obtaining the railroad permit from Rochester and Southern, contact Al Stone at 329-1174.”
2. In the Specification Book, **DELETE** pages SS-9 thru SS-13 in their entirety and replace with the attached pages SS-9 thru SS-13A (ADD 1-42 thru ADD 1-47).
3. In the Specification Book, on Page SS-39, Method of Measurement, **INSERT** the fixed price of **\$10,521.00** for the value of the 8 Phase Ground Mounted Controller to be purchased from Monroe County.

### **B. CHANGES TO THE CONTRACT DRAWINGS**

1. In the Contract Plans sheet 23 of 96, **ADD** the attached “Transition for Pavement at Driveways” detail (Page ADD 1-48).
2. In the Contract Plans sheet 24 of 96, on the detail for “Storm Sewer Trench in Paved Area”, **DELETE** note ‘4’ in its entirety.
3. In the Contract Plans sheet 24 of 96, on the detail for “Storm Sewer Trench in Grass Area”, **DELETE** note ‘3’ in its entirety.
4. In the Contract Plans sheet 24 of 96, on the detail for “Storm Sewer Trench in Paved Area”, **DELETE** note that states “Blend of #1 and #2 stone, paid for under item 203.07” in its entirety and **ADD** the following note: “Blend of #1 and #2 stone, paid for under Item 623.12”.
5. In the Contract Plans, on Sheet 29 of 96, **DELETE** the “Driveway” table and **ADD** the attached “Driveway” table (Page ADD 1-49)
6. In the Contract Plans, on Sheet 31 of 96, **DELETE** the “Alter Existing Drainage Structure” table and **ADD** the attached “Alter Existing Drainage Structure” table (Page ADD 1-50)
7. In the Contract Plans, on Sheet 32 of 96, **DELETE** the “Chain Link Fence” table and **ADD** the attached “Chain Link Fence” table (Page ADD 1-51)
8. In the Contract Plans, on Sheet 33 of 96, **ADD** the attached “Side Street Milling” table (Page ADD 1-52)

**C. RESPONSES TO BIDDER QUESTIONS**

1. A list of bidder questions raised during the bidding phase and the corresponding responses are provided on pages ADD 1-53 thru ADD 1-54.

**BID OPENING DATE REMAINS DECEMBER 14, 2012, 11:00 AM**

## BID SHEETS

### ITEMIZED PROPOSAL

PAUL ROAD - FISHER ROAD CORRIDOR IMPROVEMENTS  
MONROE COUNTY DEPARTMENT OF TRANSPORTATION

TOWN OF CHILI, MONROE COUNTY  
C.I.P. No. 1433.01, P.I.N. 4754.24

ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
201.06	1      LS	CLEARING AND GRUBBING  For: _____ Dollars _____ Cents				
203.02	10,305    CY	UNCLASSIFIED EXCAVATION AND DISPOSAL  For: _____ Dollars _____ Cents				
203.03	1,810    CY	EMBANKMENT IN PLACE  For: _____ Dollars _____ Cents				
203.07	302      CY	SELECT GRANULAR FILL  For: _____ Dollars _____ Cents				

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			DOLLARS	CENTS	DOLLARS	CENTS
203.24000015	34 TON	SHOULDER BACKUP MATERIAL  For: _____ Dollars _____ Cents				
206.02	376 CY	TRENCH AND CULVERT EXCAVATION  For: _____ Dollars _____ Cents				
206.03	1,659 LF	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION  For: _____ Dollars _____ Cents				
206.04	1,635 CY	TRENCH AND CULVERT EXCAVATION - O.G.  For: _____ Dollars _____ Cents				

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			DOLLARS	CENTS	DOLLARS	CENTS
207.20	26 SY	GEOTEXTILE BEDDING  For: _____ Dollars _____ Cents				
207.21	12,188 SY	GEOTEXTILE SEPARATION  For: _____ Dollars _____ Cents				
207.22	3,380 SY	GEOTEXTILE DRAINAGE  For: _____ Dollars _____ Cents				
209.110101	2 EACH	CHECK DAM (DITCH BOTTOM WIDTH 0.0 TO 3'), STONE - TEMPORARY  For: _____ Dollars _____ Cents				

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				DOLLARS	CENTS	DOLLARS	CENTS
209.13	12,413	LF	SILT FENCE-TEMPORARY  For: _____ Dollars _____ Cents				
209.1702	60	CY	DRAINAGE STRUCTURE INLET PROTECTION, GRAVEL BAG - TEMPORARY  For: _____ Dollars _____ Cents				
209.1803	218	SY	ROLLED EROSION CONTROL PRODUCT, CLASS I TYPE C, SHORT TERM  For: _____ Dollars _____ Cents				
304.12	6,464	CY	SUBBASE COURSE, TYPE 2  For: _____ Dollars _____ Cents				

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ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
402.017902	829 TON	TRUE AND LEVEL F9, SUPERPAVE HMA, 70 SERIES COMPACTION  For: _____ Dollars _____ Cents				
402.017912	45 QU	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.017902  For: <u>FIXED PRICE : SEE SPECIFICATION</u>  <u>DOLLAR AND CENTS</u>	70	00	3,150	00
402.06830118	2,584 TON	6.3 F3 POLYMER-MODIFIED HMA, 80 SERIES COMPACTION  For: _____ Dollars _____ Cents				
402.06831118	132 QU	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.06830118  For: <u>FIXED PRICE : SEE SPECIFICATION</u>  <u>DOLLAR AND CENTS</u>	70	00	9,240	00

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			DOLLARS	CENTS	DOLLARS	CENTS
402.097302	3,182 TON	9.5 F3 TOP COURSE HMA, 70 SERIES COMPACTION  For: _____ Dollars _____ Cents				
402.097312	164 QU	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.097302  For: <u>FIXED PRICE : SEE SPECIFICATION</u>  <u>DOLLAR AND CENTS</u>	70	00	11,480	00
402.098302	464 TON	9.5 F3 TOP COURSE HMA, 80 SERIES COMPACTION  For: _____ Dollars _____ Cents				
402.098312	28 QU	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.098302  For: <u>FIXED PRICE : SEE SPECIFICATION</u>  <u>DOLLAR AND CENTS</u>	70	00	1,960	00

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			DOLLARS	CENTS	DOLLARS	CENTS
402.197902	4,150 TON	19 F9 BINDER COURSE HMA, 70 SERIES COMPACTION  For: _____ Dollars _____ Cents				
402.197912	212 QU	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.197902  For: <u>FIXED PRICE : SEE SPECIFICATION</u>  <u>DOLLAR AND CENTS</u>	70	00	14,840	00
402.198902	381 TON	19 F9 BINDER COURSE HMA, 80 SERIES COMPACTION  For: _____ Dollars _____ Cents				
402.198912	24 QU	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.198902  For: <u>FIXED PRICE : SEE SPECIFICATION</u>  <u>DOLLAR AND CENTS</u>	70	00	1,680	00

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			DOLLARS	CENTS	DOLLARS	CENTS
402.377902	2,807 TON	37.5 F9 BASE COURSE HMA, 70 SERIES COMPACTION  For: _____ Dollars _____ Cents				
402.377912	141 QU	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.377902  For: <u>FIXED PRICE : SEE SPECIFICATION</u>  <u>DOLLAR AND CENTS</u>	70	00	9,870	00
402.378902	1,691 TON	37.5 F9 BASE COURSE HMA, 80 SERIES COMPACTION  For: _____ Dollars _____ Cents				
402.378912	90 QU	PLANT PRODUCTION QUALITY ADJUSTMENT 402.378902  For: <u>FIXED PRICE : SEE SPECIFICATION</u>  <u>DOLLAR AND CENTS</u>	70	00	6,300	00

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			DOLLARS	CENTS	DOLLARS	CENTS
402.99010003	47,423 SY	HEATER SCARIFICATION OF HOT MIX ASPHALT (HMA) PAVEMENT  For: _____ Dollars _____ Cents				
402.99010103	7,114 GAL.	RECYCLING AGENT  For: _____ Dollars _____ Cents				
407.0101	4,420 GAL	TACK COAT  For: _____ Dollars _____ Cents				
407.02010018	1,897 GAL	TACK COAT FOR 6.3 POLYMER-MODIFIED HMA  For: _____ Dollars _____ Cents				

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			DOLLARS	CENTS	DOLLARS	CENTS
490.10	12,450 SY	PRODUCTION COLD MILLING OF BITUMINOUS CONCRETE  For: _____ Dollars _____ Cents				
490.30	1,193 SY	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE  For: _____ Dollars _____ Cents				
520.50140008	6,034 LF	SAW CUTTING, ASPHALT PAVEMENT, ASPHALT SURFACE COURSE, CONCRETE PAVEMENT OR ASPHALT OVERLAY ON CONCRETE PAVEMENT  For: _____ Dollars _____ Cents				
552.16	3,640 SF	EXCAVATION PROTECTION SYSTEM  For: _____ Dollars _____ Cents				

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			DOLLARS	CENTS	DOLLARS	CENTS
603.171216	3 EACH	GALVANIZED STEEL END SECTIONS-PIPE (2-2/3" X 1/2" CORRUGATIONS) 18 INCH DIAMETER, 16 GAUGE  For: _____ Dollars _____ Cents				
603.172012	1 EACH	GALVANIZED STEEL END SECTIONS-PIPE (2-2/3" X 1/2" CORRUGATIONS) 48 INCH DIAMETER, 12 GAUGE  For: _____ Dollars _____ Cents				
603.7301	1 EACH	REINFORCED CONCRETE PIPE END SECTIONS 12 INCH DIAMETER  For: _____ Dollars _____ Cents				
603.7303	1 EACH	REINFORCED CONCRETE PIPE END SECTIONS 18 INCH DIAMETER  For: _____ Dollars _____ Cents				

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			DOLLARS	CENTS	DOLLARS	CENTS
603.7309	1 EACH	REINFORCED CONCRETE PIPE END SECTIONS 36 INCH DIAMETER  For: _____ Dollars _____ Cents				
603.7401	1,274 LF	REINFORCED CONCRETE PIPE, CLASS II, 12 INCH DIAMETER  For: _____ Dollars _____ Cents				
603.7402	60 LF	REINFORCED CONCRETE PIPE, CLASS II, 15 INCH DIAMETER  For: _____ Dollars _____ Cents				
603.7403	293 LF	REINFORCED CONCRETE PIPE, CLASS II, 18 INCH DIAMETER  For: _____ Dollars _____ Cents				

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			DOLLARS	CENTS	DOLLARS	CENTS
603.7409	6      LF	REINFORCED CONCRETE PIPE, CLASS II, 36 INCH DIAMETER  For: _____ Dollars _____ Cents				
603.77	2      EACH	CONCRETE COLLARS  For: _____ Dollars _____ Cents				
603.77220015	1      EACH	CONCRETE COLLARS FOR PIPE EXTENSIONS (INSIDE DIAMETER OR SPAN 20 IN. THROUGH 29 IN.)  For: _____ Dollars _____ Cents				
603.9812	324      LF	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 12 INCH DIAMETER  For: _____ Dollars _____ Cents				

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				DOLLARS	CENTS	DOLLARS	CENTS
604.300111	21	LF	RECTANGULAR DRAINAGE STRUCTURE TYPE A FOR #11 WELDED FRAME  For: _____ Dollars _____ Cents				
604.300211	5	LF	RECTANGULAR DRAINAGE STRUCTURE TYPE B FOR #11 WELDED FRAME  For: _____ Dollars _____ Cents				
604.300411	6	LF	RECTANGULAR DRAINAGE STRUCTURE TYPE D FOR #11 WELDED FRAME  For: _____ Dollars _____ Cents				
604.301911	122	LF	RECTANGULAR DRAINAGE STRUCTURE TYPE S FOR #11 WELDED FRAME  For: _____ Dollars _____ Cents				

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				DOLLARS	CENTS	DOLLARS	CENTS
604.4060	11	LF	ROUND PRECAST CONCRETE MANHOLE TYPE 60  For: _____ Dollars _____ Cents				
604.4072	5	LF	ROUND PRECAST CONCRETE MANHOLE TYPE 72  For: _____ Dollars _____ Cents				
605.0901	364	CY	UNDERDRAIN FILTER TYPE 1  For: _____ Dollars _____ Cents				
605.1702	4,344	LF	OPTIONAL UNDERDRAIN PIPE, 6 INCH DIAMETER  For: _____ Dollars _____ Cents				

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			DOLLARS	CENTS	DOLLARS	CENTS
607.3002	2,501 LF	OPTIONAL CHAIN-LINK FENCE, TYPE I, WITH TOP RAIL 6 FEET HIGH  For: _____ Dollars _____ Cents				
607.4071	1 EACH	OPTIONAL FENCE GATE (DOUBLE LEAF 24 FEET OPENING 6 FEET HIGH)  For: _____ Dollars _____ Cents				
607.41010010	1,920 LF	TEMPORARY PLASTIC BARRIER FENCE  For: _____ Dollars _____ Cents				
607.62000010	463 LF	REMOVING CHAIN LINK FENCE  For: _____ Dollars _____ Cents				

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			DOLLARS	CENTS	DOLLARS	CENTS
607.98010111	241 LF	TEMPORARY CHAIN-LINK FENCE  For: _____ Dollars _____ Cents				
608.020102	184 TON	ASPHALT CONCRETE SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS  For: _____ Dollars _____ Cents				
608.020112	11 QU	PLANT PRODUCTION QUALITY ADJUSTMENT TO 608.020102  For: <u>FIXED PRICE : SEE SPECIFICATION</u> <u>DOLLAR AND CENTS</u>	70	00	770	00
608.13000008	108 SY	FURNISH AND INSTALL GRASS PAVERS  For: _____ Dollars _____ Cents				

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			DOLLARS	CENTS	DOLLARS	CENTS
609.04	1,069 LF	CAST-IN-PLACE CONCRETE CURB (AS DETAILED)  For: _____ Dollars _____ Cents				
609.0401	698 LF	CAST-IN-PLACE CONCRETE CURB TYPE VF150  For: _____ Dollars _____ Cents				
609.0407	1,952 LF	CAST-IN-PLACE TYPE T100  For: _____ Dollars _____ Cents				
610.020200MO	14,428 SY	SEEDING - SEED MIX A  For: _____ Dollars _____ Cents				

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			DOLLARS	CENTS	DOLLARS	CENTS
610.1402	1,605    CY	TOPSOIL, ROADSIDE  For: _____ Dollars _____ Cents				
614.060204	6        EACH	TREE REMOVAL OVER 6 INCHES TO 12 INCHES DIAMETER BREASTHEIGHT, STUMP GRUBBED  For: _____ Dollars _____ Cents				
619.01	1        LS	BASIC WORK ZONE TRAFFIC CONTROL  For: _____ Dollars _____ Cents				
619.0801	55,911    LF	REMOVE EXISTING PAVEMENT MARKING STRIPES  For: _____ Dollars _____ Cents				

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			DOLLARS	CENTS	DOLLARS	CENTS
619.0802	21 EACH	REMOVE EXISTING PAVEMENT MARKING LETTERS OR SYMBOLS  For: _____ Dollars _____ Cents				
619.0901	4,400 LF	TEMPORARY PAVEMENT MARKINGS STRIPES (TRAFFIC PAINT)  For: _____ Dollars _____ Cents				
619.27	8 EACH	MAILBOXES  For: _____ Dollars _____ Cents				
619.24	1 LS	NIGHTTIME OPERATIONS  For: _____ Dollars _____ Cents				

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			DOLLARS	CENTS	DOLLARS	CENTS
620.03	18    CY	STONE FILLING (LIGHT)  For: _____ Dollars _____ Cents				
623.12	601    CY	CRUSHED STONE (IN-PLACE MEASURE)  For: _____ Dollars _____ Cents				
624.0109	19,447    SF	CONVENTIONALLY FORMED OR MACHINE FORMED CONCRETE GUTTERS TYPE BB  For: _____ Dollars _____ Cents				
625.020000MO	1    LS	SURVEY AND STAKEOUT  For: _____ Dollars _____ Cents				



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PAUL ROAD - FISHER ROAD CORRIDOR IMPROVEMENTS  
MONROE COUNTY DEPARTMENT OF TRANSPORTATION

TOWN OF CHILI, MONROE COUNTY  
C.I.P. No. 1433.01, P.I.N. 4754.24

ITEM NUMBER	ESTIMATE OF QUANTITIES		ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
				DOLLARS	CENTS	DOLLARS	CENTS
645.62	50	SF	OVERHEAD SIGN PANELS WITH HIGH-VISIBILITY SHEETING  For: _____ Dollars _____ Cents				
645.81	14	EACH	TYPE A SIGN POSTS  For: _____ Dollars _____ Cents				
645.85	4	EACH	POLE MOUNTED SIGN SUPPORT SYSTEM (BAND MOUNTED)  For: _____ Dollars _____ Cents				
647.31	3	EACH	RELOCATE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SQUARE FEET)  For: _____ Dollars _____ Cents				

## BID SHEETS

### ITEMIZED PROPOSAL

PAUL ROAD - FISHER ROAD CORRIDOR IMPROVEMENTS  
 MONROE COUNTY DEPARTMENT OF TRANSPORTATION

TOWN OF CHILI, MONROE COUNTY  
 C.I.P. No. 1433.01, P.I.N. 4754.24

ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
647.51	29 EACH	REMOVE AND DISPOSE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SQUARE FEET)  For: _____ Dollars _____ Cents				
655.05010010	7 EACH	RESETTING EXISTING SANITARY SEWER MANHOLE CASTINGS  For: _____ Dollars _____ Cents				
655.1111	34 EACH	WELDED FRAME AND RETICULINE GRATE 11  For: _____ Dollars _____ Cents				
655.1202	3 EACH	MANHOLE FRAME AND COVER  For: _____ Dollars _____ Cents				

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ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
663.33	10 EACH	ADJUST EXISTING VALVE BOX ELEVATION  For: _____ Dollars _____ Cents				
670.0108	9 EACH	FOUNDATION FOR LIGHT STANDARDS, 8 FEET LONG  For: _____ Dollars _____ Cents				
670.2003	36 LF	GALVANIZED STEEL CONDUIT, 2"  For: _____ Dollars _____ Cents				
670.2602	699 LF	RIGID PLASTIC CONDUIT, 2"  For: _____ Dollars _____ Cents				

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ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
670.3020	4 EACH	PULLBOXES 10 CUBIC FEET TO 15 CUBIC FEET, INSIDE VOLUME (LIGHTING)  For: _____ Dollars _____ Cents				
670.7006	2,098 LF	SINGLE CONDUCTOR CABLE, NUMBER 10 GAUGE  For: _____ Dollars _____ Cents				
670.7501	3,147 LF	GROUND WIRE NO. 6 AWG  For: _____ Dollars _____ Cents				
670.82	2 EACH	REMOVE LAMPPOST FOUNDATION  For: _____ Dollars _____ Cents				

The Itemized proposal shall be completed by the bidder with the unit prices written in words and numerals and the extensions written in numerals

## BID SHEETS

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 MONROE COUNTY DEPARTMENT OF TRANSPORTATION

TOWN OF CHILI, MONROE COUNTY  
 C.I.P. No. 1433.01, P.I.N. 4754.24

ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
670.90	2 EACH	RELOCATE LAMPOST ASSEMBLY  For: _____ Dollars _____ Cents				
670.98000105	7 EACH	HIGHWAY LIGHTING EQUIPMENT - AS SPECIFIED  For: _____ Dollars _____ Cents				
670.98000205	7 EACH	HIGHWAY LIGHTING EQUIPMENT - AS SPECIFIED  For: _____ Dollars _____ Cents				
670.98000305	7 EACH	HIGHWAY LIGHTING EQUIPMENT - AS SPECIFIED  For: _____ Dollars _____ Cents				

## BID SHEETS

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TOWN OF CHILI, MONROE COUNTY  
C.I.P. No. 1433.01, P.I.N. 4754.24

ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
680.5001	19    CY	POLE EXCAVATION AND CONCRETE FOUNDATION  For: _____ Dollars _____ Cents				
680.5002	1    EACH	CONCRETE BASE FOR CONTROLLER CABINET  For: _____ Dollars _____ Cents				
680.510301	4    EACH	PULLBOX-CIRCULAR, 24 INCH DIAMETER, REINFORCED CONCRETE  For: _____ Dollars _____ Cents				
680.510401	9    EACH	PULLBOX-CIRCULAR, 30 INCH DIAMETER, REINFORCED CONCRETE  For: _____ Dollars _____ Cents				

The Itemized proposal shall be completed by the bidder with the unit prices written in words and numerals and the extensions written in numerals

## BID SHEETS

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 MONROE COUNTY DEPARTMENT OF TRANSPORTATION

TOWN OF CHILI, MONROE COUNTY  
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ITEM NUMBER	ESTIMATE OF QUANTITIES		ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
				DOLLARS	CENTS	DOLLARS	CENTS
680.520106	428	LF	CONDUIT, METAL STEEL, ZINC COATED, 2"  For: _____ Dollars _____ Cents				
680.520108	1,006	LF	CONDUIT, METAL STEEL, ZINC CAOTED, 3"  For: _____ Dollars _____ Cents				
680.520110	11	LF	CONDUIT, METAL STEEL, ZINC COATED, 4"  For: _____ Dollars _____ Cents				
680.54	3,759	LF	INDUCTANCE LOOP INSTALLATION  For: _____ Dollars _____ Cents				

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ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
680.700608	1 EACH	RISER ASSEMBLY, 3" DIAMETER  For: _____ Dollars _____ Cents				
680.71	3,490 LF	SHIELDED LEAD-IN CABLE  For: _____ Dollars _____ Cents				
680.72	9,359 LF	INDUCTANCE LOOP WIRE  For: _____ Dollars _____ Cents				
680.730208	58 LF	SIGNAL CABLE, 2 CONDUCTORS, 08 AWG  For: _____ Dollars _____ Cents				

## BID SHEETS

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ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
680.730914	1,627 LF	SIGNAL CABLE 9 CONDUCTORS, 14 AWG  For: _____ Dollars _____ Cents				
680.802708MO	1 EACH	INSTALL ACTUATED 8 PHASE GROUND MOUNTED TRAFFIC SIGNAL CABINET AND RELATED EQUIPMENT (FURNISHED BY COUNTY) For: _____ Dollars _____ Cents				
680.809908MO	1 EACH	ACTUATED 8 PHASE GROUND MOUNTED TRAFFIC SIGNAL CABINET AND RELATED EQUIPMENT (PURCHASED FROM COUNTY) For: <u>FIXED PRICE : SEE SPECIFICATION</u>  <u>DOLLAR AND CENTS</u>	10,521	00	10,521	00
680.810107	24 EACH	TRAFFIC SIGNAL SECTION - TYPE I, 12 INCH  For: _____ Dollars _____ Cents				



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ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
680.8111	8 EACH	TRAFFIC SIGNAL BRACKET ASSEMBLY - 1 WAY  For: _____ Dollars _____ Cents				
680.820022MO	4 EACH	MAST ARM TRAFFC SIGNAL POLE BASE (22')  For: _____ Dollars _____ Cents				
680.8205	7 EACH	OVERHEAD SIGN ASSEMBLY, TYPE E  For: _____ Dollars _____ Cents				
680.854200MO	4 EACH	MAST ARM FOR TRAFFIC SIGNALS  For: _____ Dollars _____ Cents				

## BID SHEETS

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ITEM NUMBER	ESTIMATE OF QUANTITIES		ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
				DOLLARS	CENTS	DOLLARS	CENTS
685.11	59,636	LF	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS  For: _____ Dollars _____ Cents				
685.12	45,961	LF	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS  For: _____ Dollars _____ Cents				
685.13	32	EACH	WHITE EPOXY REFLECTORIZED PAVEMENT LETTERS - 20 MILS  For: _____ Dollars _____ Cents				
685.14	10	EACH	WHITE EPOXY REFLECTORIZED PAVEMENT SYMBOLS - 20 MILS  For: _____ Dollars _____ Cents				

The Itemized proposal shall be completed by the bidder with the unit prices written in words and numerals and the extensions written in numerals

## BID SHEETS

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ITEM NUMBER	ESTIMATE OF QUANTITIES		ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
				DOLLARS	CENTS	DOLLARS	CENTS
688.01	1,521	LF	WHITE PREFORMED REFLECTORIZED PAVEMENT STRIPES  For: _____ Dollars _____ Cents				
688.03	4	EACH	WHITE PREFORMED REFLECTORIZED PAVEMENT LETTERS  For: _____ Dollars _____ Cents				
688.04	18	EACH	WHITE PREFORMED REFLECTORIZED PAVEMENT SYMBOLS  For: _____ Dollars _____ Cents				
698.04	100	DC	ASPHALT PRICE ADJUSTMENT  For: <u>FIXED PRICE : SEE SPECIFICATION</u> <u>DOLLAR AND CENTS</u>	1	00	100	00

## BID SHEETS

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ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
698.05	100 DC	FUEL PRICE ADJUSTMENT  For: <u>FIXED PRICE : SEE SPECIFICATION</u>  <u>DOLLAR AND CENTS</u>	1	00	100	00
SUBTOTAL IN NUMBERS			\$ _____			
SUBTOTAL WRITTEN IN WORDS			_____ Dollars			
699.040001	1 LS	MOBILIZATION (Must Not Exceed 4.0% of Subtotal Above. See Specification for this Item) For: _____ Dollars _____ Cents				
TOTAL IN NUMBERS			\$ _____			
TOTAL OR GROSS SUM WRITTEN IN WORDS			_____ Dollars			
PLEASE BE SURE A BID IS ENTERED FOR EACH ITEM.						

## BID SHEETS

### ITEMIZED PROPOSAL

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ITEM NUMBER	ESTIMATE OF QUANTITIES	ITEMS WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT OF BID	
			DOLLARS	CENTS	DOLLARS	CENTS
<b>ADD ALTERNATE #1</b>						
611.0381	190 EACH	PLANTING, CONIFEROUS TREES, 8 FOOT HEIGHT, BALL & BURLAP, FIELD POTTED AND FIELD BOXED  For: _____ Dollars _____ Cents				
614.060204	176 EACH	TREE REMOVAL OVER 6 INCHES TO 12 INCHES DIAMETER BREASTHEIGHT, STUMP GRUBBED  For: _____ Dollars _____ Cents				
ADD ALTERNATE #1 TOTAL IN NUMBERS			\$ _____			
ADD ALTERNATE #1 TOTAL WRITTEN IN WORDS			_____ Dollars			

**ITEM 402.99010003 - HEATER SCARIFICATION OF HOT MIX ASPHALT (HMA) PAVEMENT**

**ITEM 402.99010103 – RECYCLING AGENT**

**DESCRIPTION**

This work shall consist of recycling the existing hot mix asphalt (HMA) pavement surface. The HMA pavement surface is heated using specialized equipment causing the asphalt to soften. In a continuous process, the softened HMA surface is scarified to a specified depth as detailed in the Contract documents. The scarified asphalt pavement is then mixed with a recycling agent that rejuvenates the asphalt. This mix is then placed and compacted back onto the roadway. All work under this item shall be in accordance with the Standard Specifications and as detailed in this specification.

**MATERIALS**

1. **Recycling Agent.** Use ASTM D 4552 *Standard Practice for Classifying Hot-Mix Recycling Agents*, grades RA25 or ERA25 (an emulsified RA25) petroleum-based recycling agents specifically designed as a rejuvenator meeting the requirements outlined in Table 1 – Recycling Agent. At the start of production and during, provide certified test results and documented quantities to the Engineer for each shipment of recycling agent. Acceptance of this material is based on a signed Manufacturer’s Certification stating conformance to this specification. The use of any other grade of recycling agent requires prior approval from the Director, Materials Bureau. A 2-week notice is needed for this approval.

**Table 1 – Recycling Agent**

Test Requirements	Test Method	Minimum	Maximum
Tests on Residue from Distillation: Viscosity, 140°F, cSt	T 201	901	4500
Flash Point, CSC, °F	T 48	215	-
Test on Residue from RTFO, 325°F: Viscosity Ratio	T 240	-	3
Weight Change, ±, %		-	4
Specific Gravity	T 228	Report	
Saybolt Furol Viscosity @ 77°F, s	T 59 <sup>(1)</sup>	15	85
Storage Stability, 24 hrs, %		-	1.0
Sieve, %		-	0.1
Cement Mixing, %		-	2.0
Asphalt Content by Evaporation, %		65.0	

1. This testing requirement is only for ERA25.

**ITEM 402.99010003 - HEATER SCARIFICATION OF HOT MIX ASPHALT (HMA) PAVEMENT**

**ITEM 402.99010103 – RECYCLING AGENT**

2. **Mixture Design.** The Regional Materials office will take a minimum of three cores per lane mile or a maximum of 20 cores per project from the existing HMA pavement to be analyzed by the Department. These cores will be taken from locations that will represent the entire project condition. Provided in the Contract documents is the following information:

- Descriptive notes of the core locations along with their test results showing percent of recovered asphalt content, aggregate gradation, and original penetration value for each sample.
- The required depth, in inches, of the loose heater scarified HMA behind the screed unit.

Based on the information provided above, determine the application rate of the recycling agent such that the penetration value of the recovered performance-graded (PG) binder from the loose mix samples taken during the heater scarification process is at least 30% or more of the average penetration value of the recovered PG binder from the existing pavement cores. Testing of all samples for the penetration values required using this specification will be performed in accordance with AASHTO T 49, *Penetration of Bituminous Materials*.

The Contractor may request to take additional cores from the existing HMA pavement to determine the mixture design. A 2-week notice shall be given to the Regional Materials Engineer requesting permission for coring.

**EQUIPMENT**

- Heating Unit – This unit shall generate sufficient heat to soften the asphalt pavement to the depth required. Care shall be taken not to overheat the existing pavement thereby softening the underlying asphalt pavement not to be scarified. The burner assembly shall be adjustable to heat between 8 and 14 feet in width. The entire heating unit shall be enclosed and vented to contain the heat and prevent damage to adjacent properties and landscape. In cooler temperatures, an additional heating unit may be required.
- Heater Scarification Train – This equipment shall be a self-contained machine designed to reprocess only the upper layers of the existing HMA pavement. The heater scarification train shall be self-propelled and capable of operating at speeds of 8 to 26 feet per minute while uniformly heating and scarifying the existing HMA pavement to the minimum loose mix depth specified in the Contract documents. Listed below are the various units that are part of the heater scarification train.
  1. Scarifying Unit – The scarifying unit shall contain at least 2 rows of spring-loaded tines that are adjustable to scarify 8 to 14 feet wide. The tines in row shall be no more than 1.0 inch apart. This unit shall also be able to conform to the pavement

**ITEM 402.99010003 - HEATER SCARIFICATION OF HOT MIX ASPHALT (HMA) PAVEMENT**

**ITEM 402.99010103 – RECYCLING AGENT**

contours to insure a uniform penetration from the tines and prevent damage to utility structures.

2. Spray Unit – This unit shall be immediately behind the scarifying unit and capable of applying the recycling agent to the reclaimed asphalt pavement at the approved rate. The size of the nozzles located on the spray bar and pump shall be selected based upon the rate of application and the forward speed of the heater scarification unit. This unit shall be equipped with a measuring system, which shall be capable of maintaining the required application rate of the recycling agent with a tolerance of  $\pm 5\%$  for the mix design. The measuring system shall continuously verify and display the application rate of recycling agent and cumulative total with respect to the volume of scarified material for the road surface.

***Calibration.*** Calibrate the measuring system in the presence of the Regional Materials Engineer or designee. A minimum 2-week notice is required when scheduling this calibration. Approved calibrations are required for each project. If the calibration date exceeds 90 days, then the bituminous meters will need to be recalibrated. Work shall not progress until the calibration has been completed and verified. The equipment shall be calibrated in accordance with ASTM D2995 *Standard Practice for Estimating Application Rate of Bituminous Distributors*. Other calibration methods may be used with the approval of the Engineer.

3. Mill/Remixer Unit – Immediately following the application of the recycling agent, a dual-drum enclosed milling unit shall mill the asphalt pavement to the loose mix depth specified in the Contract documents, thoroughly mixing the recycling agent with the scarified and milled pavement. The mill/remixer unit shall be an integral part of the scarifying machine and shall be located between the spray unit, which applies the recycling agent, and the screed. This unit shall be operated hydraulically, able to work at variable speeds up to 120 rpm, and shall be retractable from 14 to 8 feet wide. In addition, this unit shall be able to break in the center to allow for quarter point and crown control.
  4. Screed Unit – The hot scarified material shall be uniformly distributed to the desired longitudinal and transverse section by the use of an attached heated, augured vibratory screed. The screed shall be equipped with an adjustable crown control and each end of the screed shall have hand wheel adjusting screws for providing the desired longitudinal grade and transverse slope.
- Rollers – Shall meet §402-3.04, *Rollers* in the Standard Specifications.

**ITEM 402.99010003 - HEATER SCARIFICATION OF HOT MIX ASPHALT (HMA) PAVEMENT**

**ITEM 402.99010103 – RECYCLING AGENT**

**CONSTRUCTION DETAILS:** §402-3, *Construction Details* applies except as modified below:

1. **Weather and Seasonal Limitations:** Heater scarification is allowed only when the surface temperature is 50°F or above.
2. **Pavement Markings:** Remove any epoxy or thermoplastic pavement markings. Other markings shall be removed as ordered by the Engineer. Removal of pavement markings will be paid under a separate pay item in the Contract documents.
3. **Cleaning:** Clean the existing pavement and shoulder to be scarified by using mechanical sweepers, hand brooms, or other effective means until the surface is free of all material, which might interfere with the scarification process.
4. **Heater Scarification:** At least two heating units must be used. Operate the heating units in a manner to prevent damage to adjacent property and vegetation. Repair all heat-damaged areas immediately, at no additional cost to the Department.

Control the heater scarification equipment to insure the temperature of the scarified mixture is maintained between 275°F and 325°F. Verify this temperature within 5 feet behind the screed unit.

Control the speed of the equipment to ensure that the recycled pavement is properly milled, mixed, and uniformly distributed to the proper thickness, slope, and crown shown on the Contract plans. Take extra care in controlling heater scarification equipment to prevent segregation of the recycled mix at the start and end of paving production as well as any points where the heater scarification train needs to stop and restart.

Construct the pavement so that it conforms to the requirements of Sections 402-3.10, *Surface Tolerance* and 402-3.11, *Thickness Tolerance*, of the Standard Specifications. Measure the depth of the loose scarified mix behind the screed unit prior to rolling operation. Adjust the paving equipment if the loose mix depth does not meet the depth specified in the Contract documents.

Control the width of each pass to provide proper placement of longitudinal joints including a 3-inch overlap onto adjacent lane passes.

Add recycling agent uniformly to the scarified HMA pavement at the predetermined application rate to produce a homogenous HMA recycled mix.

In areas such as catch basins or manholes not accessible to scarifying equipment, the Engineer will determine if they require repair. Pavement surfaces that are in good condition and are less than one square yard in size do not require repair. Areas with cracks or spalls

**ITEM 402.99010003 - HEATER SCARIFICATION OF HOT MIX ASPHALT (HMA) PAVEMENT**

**ITEM 402.99010103 – RECYCLING AGENT**

that are greater than one square yard in size shall be repaired as approved by the Engineer at no additional cost to the State.

5. **Compaction:** Compact the recycled mixture in accordance with §402-3.07, D., *80 Series Compaction Method*.

6. **Scarified Mixture Verification:**

- a. **First day:** The Engineer will select two core locations on the existing pavement. These locations will be within a lane mile or fraction thereof if production is less than one mile. Drill two cores at each location and test one from each location for penetration of the existing PG binder from the surface layer only. Provide the companion core from each location to the Engineer.

During the scarification process, the Engineer will request the Contractor take two sets of two loose mix samples prior to compaction at the locations where cores were taken. These samples will be representative of the day's production. Take samples either behind the screed or any place after the spraying and mixing units. Identify all samples by their locations at the project site. Test one set for penetration and provide the other set to the Engineer, which may be evaluated by the Department's Lab to verify test results.

All the required core and loose mix samples must be taken after the first 500 feet of the day's production.

Submit penetration test results to the Engineer by the end of the next day's production. If test results are not provided, the Engineer may shutdown the paving operation until the results are submitted. The average penetration value of the loose mix samples must be 30% or higher than the average penetration of the core samples from the existing pavement.

If the average penetration values of the loose mix samples fail to meet this requirement, adjust the application rate and submit the new adjusted application rate to the Engineer. Repeat the procedure described above of taking and testing samples. Submit the penetration test results to the Engineer by end of the next day's production. Continue taking these samples until average penetration values meet the specification requirement of 30% or higher.

- b. If the specification requirements are met after the first day's production, take samples as described above every three days of production for quality control and quality assurance purposes. When sample results do not meet the specification

**ITEM 402.99010003 - HEATER SCARIFICATION OF HOT MIX ASPHALT (HMA) PAVEMENT**

**ITEM 402.99010103 – RECYCLING AGENT**

requirements, make adjustment to the application rate and take samples as described above.

If, at anytime, the average penetration value of the loose mix samples is greater than 90, the Engineer may evaluate the pavement section and request the scarified pavement be removed and replaced at no additional cost to the State. The evaluation may include, but not limited to, testing penetration of the core sample, location of the section, etc. If samples are required, the Contractor will take them at no additional cost to the State and will submit them to the Department for testing. Also, if the recycled pavement is not satisfactory to the Engineer, additional tests may be performed at no cost to the State.

7. **Overlay.** The heater scarified HMA pavement can be overlaid once work is completed to the satisfaction of the Engineer. The overlay shall be placed prior to the end of the paving season. This work shall be done under a separate pay item in the Contract documents.

**METHOD OF MEASUREMENT**

This work will be measured as the number of square yards of pavement surface recycled as detailed in this specification.

The quantity of recycling agent to be measured for payment will include the number of gallons incorporated in the work, measured at a temperature of 60°F.

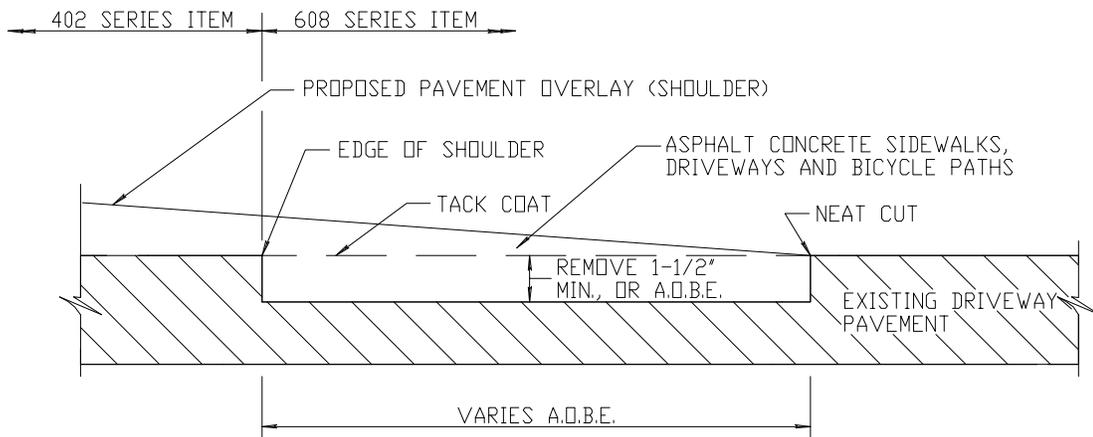
**BASIS OF PAYMENT**

The unit price bid per square yard for this item shall include the cost of all labor, tools, equipment, and incidentals necessary to satisfactorily complete the work including cleaning debris from the existing pavement, heating and scarifying, mixing, paving, compaction, and coring and testing of the recycled materials. No deduction will be made in areas such as catch basins or manholes where the scarifying equipment cannot be used.

The unit price bid per gallon of recycling agent shall include the cost of all labor, material, and equipment necessary to complete the work satisfactorily.

Payment will be made under:

<b>Item No.</b>	<b>Item</b>	<b>Pay Unit</b>
402.99010003	Heater Scarification of Hot Mix Asphalt (HMA) Pavement	Square Yards
402.99010103	Recycling Agent	Gallons



NOTE:  
 PAYMENT FOR EXCAVATION, DISPOSAL, TACKCOAT, NEAT CUT, REGRADING AND COMPACTING  
 SUBBASE COURSE WITHIN THE SLOTTED AREAS SHALL BE INCLUDED IN THE BID  
 PRICE FOR THE VARIOUS ASPHALT CONCRETE ITEMS IN THE CONTRACT.

TRANSITION FOR PAVEMENT AT DRIVEWAYS

NOT TO SCALE

DRIVEWAYS										
ITEM NO.	DESCRIPTION									
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL									
304.12	SUBBASE COURSE - TYPE 2									
608.020102	HOT MIX ASPHALT (HMA) SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS									
608.13000008	FURNISH AND INSTALL GRASS PAVERS									
623.12	CRUSHED STONE (IN PLACE MEASURE)									
LOCATION		EXIST. MATERIAL	L	W	DRIVEWAY MATERIAL	203.02 (CY)	304.12 (CY)	608.020102 (T)	608.13000008 (SY)	623.12 (CY)
STATION	SIDE									
P 277+50	LT	ASPHALT	24.2	5.0	ASPHALT			1.2		
P 279+42	LT	ASPHALT	19.3	5.0	ASPHALT			1.0		
P 280+79	LT	ASPHALT	16.7	5.0	ASPHALT			1.0		
P 281+73	LT	ASPHALT	24.8	5.0	ASPHALT			1.4		
P 283+89	LT	ASPHALT	24.2	5.0	ASPHALT			1.2		
P 287+29	RT	ASPHALT	26.4	5.0	ASPHALT	4.0	2.7	2.6		
P 288+04	LT	GRAVEL	73.5	6.0	GRAVEL	13.1	8.7			4.4
P 291+35	LT	GRAVEL	21.1	10.0	GRAVEL	8.0	5.3			2.7
P 291+42	RT	ASPHALT	60.7	6.0	ASPHALT			7.2		
J 11+23	RT	ASPHALT	28.7	5.0	ASPHALT	4.4	2.9	2.8		
J 13+42	LT	ASPHALT	67.3	5.0	ASPHALT			3.1		
J 14+92	RT	ASPHALT	36.1	5.0	ASPHALT			1.9		
J 18+10	LT	ASPHALT	40.0	5.0	ASPHALT			2.1		
J 18+66	RT	ASPHALT	33.5	5.0	ASPHALT			1.7		
J 20+31	LT	ASPHALT	39.1	5.0	ASPHALT			2.1		
J 23+58	LT	ASPHALT	30.8	10.0	ASPHALT	10.7	7.2	7.0		
J 25+65	LT	ASPHALT	27.8	10.0	ASPHALT	9.5	6.3	6.2		
J 34+24	LT	ASPHALT	30.3	10.0	ASPHALT	10.8	7.2	7.0		
J 34+33	RT	ASPHALT	43.9	10.0	ASPHALT	15.6	10.4	10.2		
J 36+69	RT	ASPHALT	30.9	10.0	ASPHALT	11.0	7.3	7.2		
J 41+44	RT	ASPHALT	61.7	10.0	ASPHALT	20.6	13.8	13.5		
J 45+05	RT	ASPHALT	61.7	10.0	ASPHALT	8.5	5.7	5.6		
J 64+50	RT	ASPHALT	41.0	10.0	PAVERS	54.0	27.0		107.9	
PAUL DWYS (72 HSE)		ASPHALT	20.0	6.0	ASPHALT			78.4		
PAUL DWYS (9 COMM)		ASPHALT	30.0	8.0	ASPHALT			19.6		
<b>TOTAL</b>						<b>170.2</b>	<b>104.5</b>	<b>184.0</b>	<b>107.9</b>	<b>7.1</b>

<b>ALTER EXISTING DRAINAGE STRUCTURES</b>					
<b>ITEM NO.</b>	<b>DESCRIPTION</b>				
604.070401	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES				
604.07260011	CONNECT TO EXISTING DRAINAGE FACILITIES				
<b>STATION</b>	<b>OFFSET</b>	<b>SIDE</b>	<b>604.070401 (EA)</b>	<b>604.07260011 (EA)</b>	<b>REMARKS</b>
156+55.0	28.0	LT	1		
157+22.0	27.0	LT	1		
158+70.0	26.0	LT	1		
GRENELL DRIVE			3		Side street
WESTWAY			1		Side street
PHYLLIS LANE			2		Side street
252+55.0	18.0	LT	1		
J 13+13.9	14.1	LT	1	1	SEE NOTE 1
J 13+14.0	16.0	RT	1	1	SEE NOTE 1
J 15+86.8	15.1	LT	1	1	SEE NOTE 1
J 15+88.1	15.6	RT	1	1	SEE NOTE 1
J 18+96.4	14.4	RT	1	1	SEE NOTE 1
J 18+98.6	14.3	LT	1	1	SEE NOTE 1
J 22+40.1	16.2	LT	1	1	SEE NOTE 1
J 22+74.1	32.3	RT	1	1	SEE NOTE 1
J 24+42.9	13.8	LT	1	1	SEE NOTE 1
J 24+43.8	13.7	RT	1	1	SEE NOTE 1
J 28+75.6	13.8	LT	1	1	SEE NOTE 1
J 28+75.9	13.9	RT	1	1	SEE NOTE 1
J 30+82.9	27.3	RT	1		
J 30+88.2	22.4	RT	1		
J 31+76.1	14.0	RT	1	1	SEE NOTE 1
J 31+78.2	13.8	LT	1	1	SEE NOTE 1
J 35+08.2	13.5	LT	1	1	SEE NOTE 1
J 35+08.9	13.8	RT	1	1	SEE NOTE 1
J 37+44.6	13.8	RT	1	1	SEE NOTE 1
J 37+45.6	13.6	LT	1	1	SEE NOTE 1
J 40+00.8	13.8	RT	1	1	SEE NOTE 1
J 40+01.3	13.6	LT	1	1	SEE NOTE 1
J 61+85.1	13.5	RT	1		
J 63+70.5	13.9	RT	1		
<b>TOTAL</b>			<b>34</b>	<b>20</b>	

<b>CHAIN LINK FENCE</b>						
<b>ITEM NO.</b>	<b>DESCRIPTION</b>					
607.3002	OPTIONAL CHAIN LINK FENCE, TYPE I WITH TOP RAIL, 6 FEET HIGH					
607.4071	OPTIONAL FENCE GATE (DOUBLE LEAF 24 FEET OPENING 6 FEET HIGH)					
607.62000010	REMOVING CHAIN LINK FENCE					
607.98010111	TEMPORARY CHAIN LINK FENCE					
<b>STATION</b>		<b>SIDE</b>	<b>607.3002 (FT)</b>	<b>607.4071 (EACH)</b>	<b>607.62000010 (FT)</b>	<b>607.98010111 (FT)</b>
<b>FROM</b>	<b>TO</b>					
J 44+24.0	J 45+18.0	RT				120.8
J 44+33.0		RT/LT				119.5
J 44+46.0	J 45+78.0	RT			125.9	
J 45+48.0	J 57+79.0	RT	1,254.2			
J 45+68.0		RT/LT			55.7	
J 57+79.0		RT	17.1			
J 60+24.0		RT/LT			96.9	
J 60+24.0	J 63+98.6	RT	384.8			
J 61+05.0		RT/LT			118.9	
J 63+98.6		RT	12.0			
J 64+27.0		RT		1		
J 63+98.6	J 67+06.5	RT	317.9			
A 10+00.0	A 14+65.0	RT	514.5			
A 16+25.5	A 16+85.8	RT			65.4	
<b>TOTAL</b>			<b>2,500.5</b>	<b>1</b>	<b>462.8</b>	<b>240.3</b>



## REQUEST FOR INFORMATION RESPONSES

The following contractor questions were received as of the date of this addendum, with MCDOT’s responses in *italics*.

### RFI #1 (11/26/12)

1. There is a 680 item that has “Purchased from County” in the description. I believe that there should be an amount typed in on the P-Sheet.

*The revised proposal sheets issued in addendum #1 provide a fixed price to address this.*

### RFI #2 (11/28/12)

1. Please clarify the pay units for 608.13000008 Furnish and Install Grass Pavers. This currently reads square feet. I’m thinking it’s supposed to be square yards.

*The correct pay unit for Item 608.13000008 is Square Yards. The revised proposal sheets issued in addendum #1 address this.*

2. What treatment will be used for the intersecting roads and driveways in the area of the Hot In Place Asphalt Recycling. Please clarify the work limits at the intersecting roads.

*The hot in place recycling work is limited to mainline Paul Rd only, and will not extend up driveways or side streets. Item 490.30 (Miscellaneous Milling) and Item 402.098302 (9.5mm HMA top course – 80 series compaction) will be used to blend in the Paul Rd pavement overlay to the adjacent sidestreets. Driveway adjustments will be paid for under Item 608.020102. The revised proposal sheets issued in addendum #1 address this.*

### RFI #3 (12/1/12)

1. On plan sheet DD-1 (storm sewer trench detail), it calls for #1 & #2 stone, paid for under Item 203.07. Item 203.07 and #1 & #2 stone obviously are not the same product, so to put both of these products in the same pay Item doesn’t seem quite right, because they are not the same price. Why don’t we just make the “pipe cradle” a stone item (say 623.12). That way the two would be separate and would be much simpler all the way around.

*The detail for storm sewer pipe installation has been changed to show the pipe cradle (blend of #1 and #2 stone) up to the pipe spring line paid for under Item 623.12. The revised proposal sheets and detail issued in addendum #1 address this.*

### RFI #4 (12/4/12)

1. In reviewing the drainage details for the project, I did not see a detail for any temporary trench repairs. There will be some pipe crossings in areas where the road is being milled and resurfaced thus requiring some type of pavement repair (temporary and/or permanent). Please clarify what needs to occur in these areas.

*The contractor shall perform pavement restoration in accordance with the “Permanent Pavement Restoration Detail for Trenching Operations in Mill and Overlay Areas” and “Temporary Pavement Restoration Detail for Trenching Operation in Areas of Pavement Reconstruction” as shown on Dwg HD-2.*

RFI #5 (12/4/12)

1. The detail for excavation and backfill for new drainage structures shows a material being placed at the bottom of the excavation. This material is not identified and the thickness is not indicated. Please clarify.

***The contractor shall place stone bedding underneath all new drainage structures in accordance with the details shown on Dwg. 25 of 96 (DD-2). Place a 6” lift of stone beneath the new structure to a distance of 2’ from the structure. Payment will be under Item 623.12.***