S E C T I O N 9 0 5 -- P R O P O S A L (CONTINUED)

I (We) further propose to execute the attached contract agreement (Section 902) as soon as the work is awarded to me (us), and to begin and complete the work within the time limit(s) provided for in the Specifications and Advertisement. I (We) also propose to execute the attached contract bond (Section 903) in an amount not less than one hundred (100) percent of the total of my (our) part, but also to guarantee the excellence of both workmanship and materials until the work is finally accepted.

I (We) enclose a certified check, cashier's check or bid bond for **five percent (5%) of total bid** and hereby agree that in case of my (our) failure to execute the contract and furnish bond within Ten (10) days after notice of award, the amount of this check (bid bond) will be forfeited to the State of Mississippi as liquidated damages arising out of my (our) failure to execute the contract as proposed. It is understood that in case I am (we are) not awarded the work, the check will be returned as provided in the Specifications.

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

ADDENDUM NO.	**1**	DATED	**5/21/2013**	ADDENDUM NO.		DATED	
ADDENDUM NO		DATED		ADDENDUM NO.		DATED	

Number	Description
1	Table of Contents, replace same; NTB No. 4524 replaces NTB 3242; Add NTB Nos. 4532, 4533, 4534 & 4535; Supplements to 907-401-2 & 907-403-4, replace same; BidItems, replace same; Added or Revised Plan Sht. Nos. 2, 22, 23, 214, 2001, 2002, 2003, & 2004; Amendment EBS Download Required.

TOTAL ADDENDA: **1**
(Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE _____

_____
Contractor

BY _____
Signature

TITLE _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE _____

FAX _____

E-MAIL _____

(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of _____ and the names, titles and business addresses of the executives are as follows:

President	Address
Secretary	Address
Treasurer	Address

The following is my (our) itemized proposal.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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PROPOSAL BID ITEMS,
COMBINATION BID PROPOSAL,
CERTIFICATION OF PERFORMANCE - PRIOR FEDERAL-AID CONTRACTS,
CERTIFICATION REGARDING NON-COLLUSION, DEBARMENT AND SUSPENSION,
SECTION 902 - CONTRACT FORM, AND SECTION 903 - CONTRACT BOND FORMS,
PILE DRIVING FORM,
OCR-485.

(REVISIONS TO THE ABOVE WILL BE INDICATED ON THE SECOND SHEET OF SECTION 905 AS ADDENDA)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 4524 **CODE: (SP)**

DATE: **05/13/2013**

SUBJECT: **Warm Mix Asphalt**

Bidders are advised that MDOT approved products and processes for the production of Warm Mix Asphalt are available at the following MDOT website.

http://sp.mdot.ms.gov/Materials/Pages/MPL.aspx

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 4532 **CODE: (SP)**

DATE: 05/20/2013

SUBJECT: FAA Restrictions

PROJECT: STP-7337-00(001) / 103408301 – Rankin County

Bidders are hereby advised that this project site is within the vicinity of a commercial airport (Jackson International Airport). The use of cranes and/or pile driving equipment is under review by the FAA, Aeronautical Study Number (ASN): 2013-ASO-3462-OE. While the FAA has not issued any ruling in this instance the following restrictions have been mandated on similar projects in the past:

1. Any structures (cranes or pile drivers) shall be marked in accordance with the FAA Advisory Circular 70/7460-1 K Change 2, Obstruction Marking and Lighting
2. The temporary equipment shall be lowered when not in use.
3. The temporary equipment has no IFR or VFR effect to any public or private use airport.

The contractor shall take into account the possible restrictions that may be imposed by the FAA and bid accordingly.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 4533 **CODE: (SP)**

DATE: **05/20/2013**

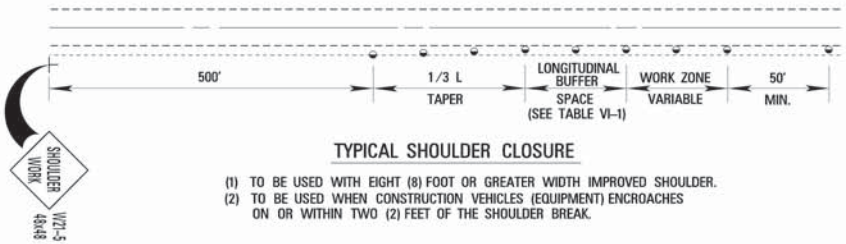
SUBJECT: **Drum Placement and Shoulder Closure**

PROJECT: **STP-7337-00(001) / 103408301 – Rankin County**

Bidders are hereby advised that the attached detail was inadvertently omitted and is hereby added to and made part of the plans and contract documents.

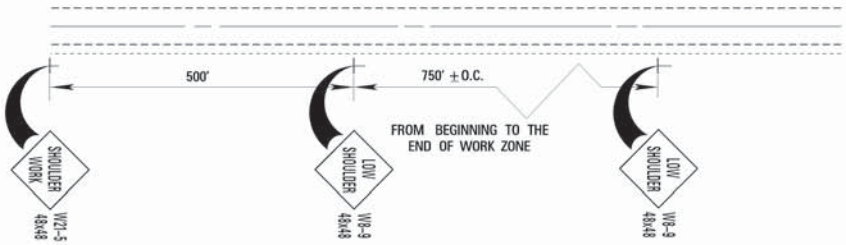
STATE	PROJECT NO.
MISS.	

PLASTIC DRUMS
(SEE NOTE FOR SPACING)



TYPICAL SHOULDER CLOSURE

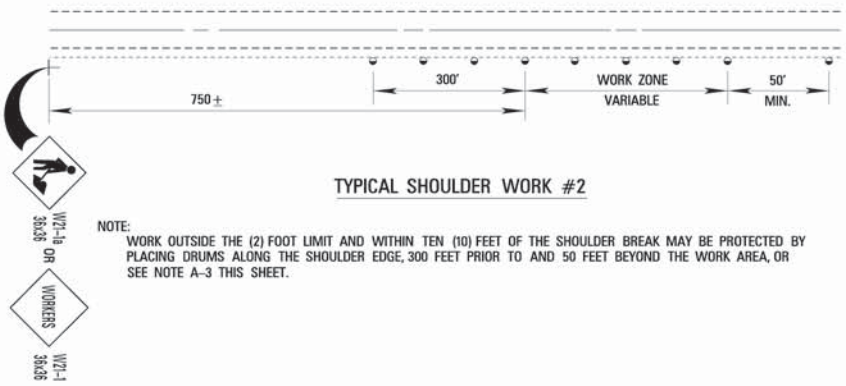
(1) TO BE USED WITH EIGHT (8) FOOT OR GREATER WIDTH IMPROVED SHOULDER.
(2) TO BE USED WHEN CONSTRUCTION VEHICLES (EQUIPMENT) ENCROACHES ON OR WITHIN TWO (2) FEET OF THE SHOULDER BREAK.



TYPICAL SHOULDER WORK #1

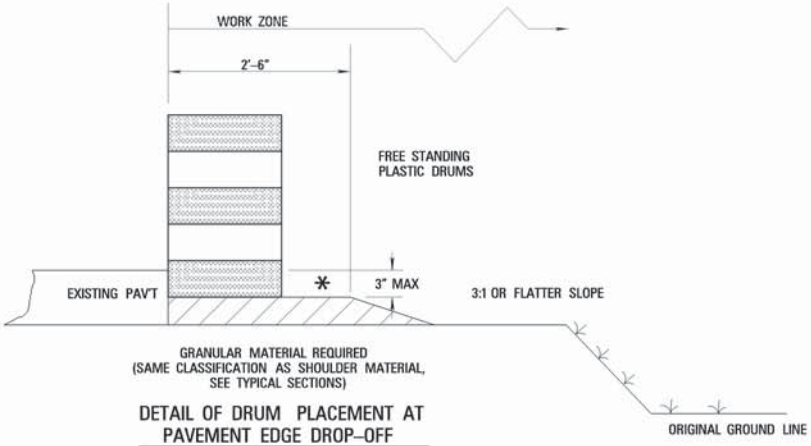
(SEE NOTE A–1 THIS SHEET)

PLASTIC DRUMS
(SEE NOTE FOR SPACING)



TYPICAL SHOULDER WORK #2

NOTE:
WORK OUTSIDE THE (2) FOOT LIMIT AND WITHIN TEN (10) FEET OF THE SHOULDER BREAK MAY BE PROTECTED BY PLACING DRUMS ALONG THE SHOULDER EDGE, 300 FEET PRIOR TO AND 50 FEET BEYOND THE WORK AREA, OR SEE NOTE A–3 THIS SHEET.



DETAIL OF DRUM PLACEMENT AT PAVEMENT EDGE DROP–OFF

NOTES

* A. PAVEMENT EDGE DROP–OFF

1. IF LESS THAN TWO AND ONE QUARTER (2.25) INCHES–NO PROTECTION REQUIRED. PLACE A SHOULDER WORK SIGN (W21–5) 500 FEET IN ADVANCE OF WORK ZONE SHOULDER AND A LOW SHOULDER SIGN (W8–9) AT THE BEGINNING AND THROUGHOUT THE WORK ZONE @ (750' ± O.C.).
2. TWO AND ONE QUARTER TO THREE INCHES–PLACE DRUMS, VERTICAL PANELS OR BARRICADES EVERY 100 FEET ON TANGENT SECTIONS FOR SPEEDS OF 50 MILES PER HOUR OR GREATER. CONES MAY BE USED IN PLACE OF DRUMS, PANELS, AND BARRICADES DURING DAYLIGHT HOURS. FOR TANGENT SECTIONS WITH SPEEDS LESS THAN 50 MILES PER HOUR AND FOR CURVES, DEVICES SHOULD BE PLACED EVERY 50 FEET. SPACING FOR TAPERS SHOULD BE IN ACCORDANCE WITH THE M.U.T.C.D. (1/3 L, WHERE L IS THE TAPER LENGTH IN FEET.)
3. GREATER THAN THREE (3) INCHES–POSITIVE SEPARATION OR WEDGE WITH 3:1 OR FLATTER SLOPE NEEDED. IF THERE IS EIGHT (8) FEET OR MORE DISTANCE BETWEEN THE EDGE OF TRAVEL LANE AND DROP–OFF, THEN DRUMS, PANELS OR BARRICADES MAY BE USED. IF CONCRETE BARRIERS ARE USED, SPECIAL REFLECTIVE DEVICES OR STEADY BURN LIGHTS SHOULD BE USED FOR OVERNIGHT INSTALLATIONS.
4. FOR TEMPORARY CONDITIONS, DROP–OFFS GREATER THAN THREE (3) INCHES MAY BE PROTECTED WITH DRUMS, VERTICAL PANELS OR BARRICADES FOR SHORT DISTANCES DURING DAYLIGHT HOURS WHILE WORK IS BEING DONE IN THE DROP–OFF AREA.
5. LESSER TREATMENTS THAN THOSE DESCRIBED ABOVE MAY BE CONSIDERED FOR LOW–VOLUME LOCAL STREETS.

B. DRUM SPACING

1. TANGENTS = 2 X S
2. TAPERS = L/3
   WHERE L = S X W
   L = TAPER LENGTH IN FEET
   S = SPEED IN MPH (POSTED OR 85 PERCENTILE)
   W = WIDTH OF OFFSET IN FEET

C. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET SHALL BE PAID FOR UNDER MAINTENANCE OF TRAFFIC.

TABLE VI–1. GUIDELINES FOR LENGTH OF LONGITUDINAL BUFFER SPACE

SPEED* (MPH)	LENGTH (FEET)
20	35
25	55
30	85
35	120
40	170
45	220
50	280
55	335
60	415
65	485

* POSTED SPEED, OFF–PEAK 85 PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED IN MPH.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS DRUM PLACEMENT AND SHOULDER CLOSURE

PROJECT NO.:
COUNTY:
WORKING NUMBER TCP-SC
SHEET NUMBER
FILENAME: dgns/shldclosure.dgn
DESIGN TEAM CHECKED DATE 12-08-08

BY | DATE | REVISION

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 4534 **CODE: (SP)**

DATE: 05/17/2013

SUBJECT: Lane Closure Restrictions

PROJECT: STP-7337-00(001) / 103408301 – Rankin County

Bidders are hereby advised that lane closure restrictions on the above captioned project shall be as follows:

Monday through Friday: -- Lane closures will NOT be allowed between the hours of 6:30 AM and 7:00 PM within the project limits.

Night time closures may be allowed provided the Contractor provides a lighting plan and a detailed traffic control plan for review and approval by the Engineer. The Engineer may require the Contractor to make revisions to the lighting and traffic control plans if changes are warranted.

No exceptions to the above requirements will be allowed unless specifically approved by the Project Engineer.

The Contractor shall notify the Engineer a minimum of 12 hours before implementation of any traffic shift or installation of any lane or shoulder closure. Prior to implementation the Contractor shall submit to the Engineer a detailed plan for traffic control for review and approval.

No lane closures will be permitted on the following holidays or the day preceding them: New Year's Day, Independence Day, Labor Day, Thanksgiving Day or Christmas Day. In the event that one the above mentioned holidays falls during the weekend or on a Monday, no lane closures will be allowed during that weekend or the Friday immediately preceding that holiday.

If the lane closure restriction listed above is violated, no excuses will be accepted by the Department and the Contractor will be charged a fee of $500.00 for each full or partial five minute period until the roadway is back in compliance with the lane closure restriction requirement.

For the purposes of this contract, official time shall be the announced time available at the Jackson area telephone number (601) 355-9311.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 4535 **CODE: (SP)**

DATE: **05/20/2013**

SUBJECT: **Traffic Signal Street Lights**

PROJECT: **STP-7337-00(001) / 103408301 – Rankin County**

Bidders are hereby advised that payment for Electric Cable, Underground in Conduit, THHN, AWG #10 to be used for street lights attached to signal poles will be absorbed in other items bid.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUPPLEMENT TO SPECIAL PROVISION NO. 907-401-2

DATE: 05/14/2013

SUBJECT: Hot Mix Asphalt (HMA)

Add the following before 907-401.02.6.2 on page 1.

907-401.02.4--Substitution of Mixture. Delete the table in Subsection 401.02.4 on page 242, and substitute the following.

Mixture	Single Lift Laying Thickness Inches	
	Minimum	Maximum
25 mm	3	4
19 mm	2¼	3½
12.5 mm	1½	2½
9.5 mm	1	1½
4.75 mm	½	¾

After Subsection 907-401-02.6.2 on page 2, add the following.

907-401.02.6.4.1--Roadway Density. Delete subparagraphs 1., 2., & 3. on page 251 and substitute the following.

1. For all leveling lifts, when full lane width and with a thickness as specified in the table in Subsection 401.02.4, the required lot density shall be 92.0 percent of maximum density.

2. For all single lift overlays, with or without leveling and/or milling, the required lot density shall be 92.0 percent of maximum density.

3. For all multiple lift overlays of two (2) or more lifts excluding leveling lifts, the required lot density of the bottom lift shall be 92.0 percent of maximum density. The required lot density for all subsequent lifts shall be 93.0 percent of maximum density.

4. For all pavements on new construction, the required lot density for all lifts shall be 93.0 percent of maximum density.

Delete Subsections 401.02.6.5 and 401.02.6.6 on pages 253 thru 257 and substitute the following.

907-401.02.6.5--Blank.

907-401.02.6.6--Blank.

907-401.02.6.7--Surface Correction. Delete the paragraph in Subsection 401.02.6.7 on page 257, and substitute the following.

Corrective work to sections exceeding short continuous interval thresholds reported by ProVal, as described in Subsection 907-403.03.2.1, shall consist of diamond grinding in accordance with these specifications or methods approved by the Engineer. All surface areas corrected by grinding shall be sealed with a sealant approved by the Engineer.

907-401.02.6.8--Acceptance Procedure for Pavement Smoothness Using Mean Roughness Index (MRI). When compaction is completed, the lift shall have a uniform surface and be in reasonably close conformity with the line, grade and cross section shown on the plans.

The smoothness of the surface lift will be determined by using an Inertial Profiling System (IPS) to measure and record roughness data in each designated location. Roughness data for each longitudinal profile will be reported as a Mean Roughness Index (MRI). MRI is calculated by averaging the International Roughness Index (IRI) values from the two individual wheelpath profiles. The surface shall be tested and corrected to a smoothness index as described herein with the exception of those locations or specific projects that are excluded from smoothness testing with an IPS.

The smoothness of the surface lift will be determined for traffic lanes, auxiliary lanes, climbing lane and two-way turn lanes. Areas excluded from a smoothness test with the IPS are acceleration and deceleration lanes, tapered sections, transition sections for width, shoulders, crossovers, ramps, side street returns, etc. The roadway pavement on bridge replacement projects having 1,000 feet or less of pavement on each side of the structure will be excluded from a smoothness test. Pavement on horizontal curves having a radius of less than 1,000 feet at the centerline and pavement within the super elevation transition of such curves are excluded from smoothness testing. Smoothness testing shall terminate 15 feet from each transverse joint that separates the pavement from a bridge deck, bridge approach slab or existing pavement not constructed under the contract.

Initial smoothness measurements shall take place no more than 72 hours following placement of surface and must be performed at the posted speed limit or 50 miles per hour (±5 mile per hour), whichever is lower. This speed requirement will be waived for all lightweight profilers. Measurements will be made in both wheel paths of exterior and interior lanes. The wheel paths shall be designated as being located three feet (3') and nine feet (9') from centerline or longitudinal joint, respectively. Beginning and ending latitude and longitude coordinates shall be required on each smoothness surface test. Testing will also be required on sections that have been surface corrected. No smoothness testing shall be performed when there is moisture of any kind on the pavement surface. Any additional testing shall meet the requirements of Subsection 907-403.03.2.

The surface lift will be accepted on a continuous basis for pavement smoothness. Continuous reporting is based upon all MRI values for a specified running interval. These values are averaged and presented at the midpoint of the specified running interval. The last 15 feet of a day's lift may not be obtainable until the lift is continued and for this reason may be included in the subsequent section.

Areas of localized roughness exceeding the continuous 25-foot interval thresholds described in Subsection 907-403.03.2.1 shall be corrected regardless of the 528-foot interval MRI value of the section. Surface correction by grinding shall be performed in accordance with Subsection 401.02.6.7. The Contractor shall also make other necessary surface corrections to ensure that the final mean roughness index of the section meets the requirements of Subsection 907-403.03.2.

Continuous sections exceeding the accepted long interval MRI value shall be corrected as specified in Subsection 403.03.4. All such corrections shall be performed at no additional costs to the State. Scheduling and traffic control will be the responsibility of the Contractor with approval of the Engineer. All tests and corrections shall be in accordance with AASHTO R 54-10, Accepting Pavement Ride Quality When Measured Using Inertial Profiling Systems.

907-401.02.6.9--High Speed Inertial Profiling System.

907-401.02.6.9.1--General. The IPS, furnished and operated by the Contractor under the supervision of the Engineer or the Engineer's representative, shall meet the requirements of AASHTO M 328-10, Standard Specification for Inertial Profiler.

907-401.02.6.9.2--Mechanical Requirements. The IPS should function independent of vehicle suspension and speed with an operational range of 15-70 mph (for high speed profilers only) and must collect data at a sample interval of no more than three inches (3"). All IPSs, operators, and combinations thereof shall be verified in accordance with AASHTO R 56-10, Standard Practice for Certification of Inertial Profiler Systems and AASHTO R 57-10, Operating Inertial Profiler Systems.

907-401.02.6.9.3--Computer Requirements. The computer measurement program must be menu driven, Windows compatible, and able to produce profiler runs in University of Michigan's Transportation Research Institute's (UMTRI) Engineering Research Division (.erd) file format. The computer shall have the ability to display and print data on sight for verification and shall have the ability to save and transfer data via Universal Serial Bus (USB) flash drive, which shall be provided by the Contractor.

In addition to manufacturers software; the latest version of FHWA's ProVAL software shall be installed on the IPS computer. ProVAL software is available for free download at http://www.roadprofile.com.

907-401.03.1.2--Tack Coat. Delete the three sentences of Subsection 401.03.1.2 on page 259, and substitute the following.

Tack coat shall be applied to previously placed HMA and between lifts, unless otherwise directed by the Engineer. Tack coat shall be applied with a distributor spray bar. A hand wand will only be allowed for applying tack coat on ramp pads, irregular shoulder areas, median crossovers, turnouts, or other irregular areas. Bituminous materials and application rates for tack coat shall be as specified in Table 410-A on page 293. Construction requirements shall be in accordance with Subsection 407.03 of the Standard Specifications.

907-401.03.1.4--Density. Delete the first sentence of the first paragraph of Subsection 401.03.1.4 on page 259 and substitute the following.

The lot density for all dense graded pavement lifts, except as provided below for preleveling, wedging [less than fifty percent (50%) of width greater than minimum lift thickness], ramp pads, irregular shoulder areas, median crossovers, turnouts, or other areas where the established rolling pattern cannot be performed, shall not be less than the specified percent (92.0% or 93.0%) of the maximum density based on AASHTO Designation: T 209 for the day's production. For all leveling lifts, when full lane width and with a thickness as specified in the table in Subsection 401.02.4, the required lot density shall be 92.0 percent of maximum density.

907-401.03.9--Material Transfer Equipment. Delete the paragraph in Subsection 401.03.9 on page 264 and substitute the following.

Excluding the areas mentioned below, the material transferred from the hauling unit when placing the top lift, or the top two (2) lifts of a multi-lift HMA pavement with density requirements, shall be remixed prior to being placed in the paver hopper or insert by using an approved Materials Transfer Device. Information on approved devices can be obtained from the State Construction Engineer. Areas excluded from this requirement include: leveling courses, temporary work of short duration, detours, bridge replacement projects having less than 1,000 feet of pavement on each side of the structure, acceleration and deceleration lanes less than 1,000 feet in length, tapered sections, transition sections for width, shoulders less than 10 feet in width, crossovers, ramps, side street returns and other areas designated by the Engineer.

After Subsection 401.03.13 on page 266, add the following.

907-401.03.14--Shoulder Wedge. The Contractor shall attach a device to the screed of the paver that confines the material at the end gate and extrudes the asphalt material in such a way that results in a compacted wedge shape pavement edge of approximately 30 degrees, but not steeper than 35 degrees. The device shall maintain contact between itself and the road shoulder surface and allow for automatic transition to cross roads, driveways, and obstructions. The device shall be used to constrain the asphalt head reducing the area by 10% to 15% increasing the density of the extruded profile. Conventional single plate strike off shall not be used.

The device shall be TransTech Shoulder Wedge Maker, the Advant-Edge, or a similar approved equal device that produces the same wedge consolidation results. Contact information for these wedge shape compaction devices is the following:

1. TransTech Systems, Inc.
   1594 State Street
   Schenectady, NY 12304
   800-724-6306
   www.transtechsys.com

2. Advant-Edge Paving Equipment, LLC
   P.O. Box 9163
   Niskayuna, NY 12309-0163
   518-280-6090
   Contact; Gary D. Antonelli
   Cell: 518-368-5699
   email: garya@nycap.rr.com

Website: www.advantedgepaving.com

Before using a similar device, the Contractor shall provide proof that the device has been used on previous projects with acceptable results, or construct a test section prior to the beginning of work and demonstrate wedge compaction to the satisfaction of the Engineer. Short sections of handwork will be allowed when necessary for transitions and turnouts, or otherwise authorized by the Engineer.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUPPLEMENT TO SPECIAL PROVISION NO. 907-403-4

DATE: 05/15/2013

SUBJECT: Hot Mix Asphalt (HMA)

Before Subsection 907-403.05.2 on page 1, add the following:

907-403.03--Construction Requirements.

907-403.03.2--Smoothness Tolerances. Delete the table, footnotes, and first six paragraphs of Subsection 403.03.2 on page 266 & 267, and substitute the following.

	Lower* & Leveling Lifts	Lower* Intermediate Lift	Top Intermediate Lift	Surface Lift
Maximum deviation from grade and cross section at any point	1/2"	3/8"	1/4"	1/4"
Maximum deviation from A 10 foot straight edge.....	3/8"	1/4"	1/8"	1/8"

Note: Where more than four (4) lifts of HMA are required, all lifts, excluding the top three (3) lifts, shall meet the requirements of the lower lift.

* When tested longitudinally from a stringline located equidistant above points 50 feet apart, the distance from the stringline to the surface at any two points located 12 1/2 feet apart shall not vary one from the other more than the maximum deviation allowed above from a 10-foot straight edge.

Delete the last paragraph of Subsection 403.03.2 at the bottom of page 268, the table at the top of page 269, and the first, second and third full paragraphs on page 269, and substitute the following.

Sections(s) or portions thereof representing areas excluded from a smoothness test with the High Speed Inertial Profiling System (IPS) shall also be excluded from consideration for a contract price adjustment for rideability.

Any contract price adjustment for rideability will be applied on a continuous basis to the pay tonnage, determined in accordance with Subsections 907-401.02.6.8 and 403.04, for the section(s) or portions thereof for which an adjustment is warranted.

Contract price adjustments for rideability shall only be applicable to the surface lift and furthermore to only the long continuous section(s) or portions of the long continuous section(s) of the surface lift that require smoothness be determined by using a profiling device.

907-403.03.2.1--Smoothness Tolerances for Mean Roughness Index (MRI). Smoothness tolerances shall be applied to asphalt pavements based on the following pavement categories.

Category A applies to the following pavement constructions:

- New construction
- Construction with three (3) or more lifts
- Mill and two (2) or more lifts

Category B applies to the following pavement constructions:

- Mill and one (1) lift
- Two (2) lift overlays without milling

Category C applies to the following pavement constructions:

- Single lift overlay without milling

NOTE: Spot Leveling does not count as a lift. Full width / continuous leveling courses will be considered a lift.

For all projects, the surface lift smoothness data shall be reported by two MRI methods:

1. A continuous 528-foot long interval MRI report
2. A continuous 25-foot short interval MRI report

Category A projects shall have a long interval surface MRI of not more than 60 inches per mile. Areas of the surface lift with localized roughness greater than 130 inches per mile as determined by the continuous short interval report will be identified for correction by the Project Engineer.

Category B projects shall have a long interval surface MRI of not more than 70 inches per mile. Areas of the surface lift with localized roughness greater than 140 inches per mile as determined by the continuous short interval report will be identified for correction by the Project Engineer.

Category C projects shall have the existing surface profiled at no additional cost to the State. The finished surface lift shall meet the following requirements:

A 50% improvement in MRI from the existing surface
or
80 inches per mile long interval surface MRI value whichever value is higher.

Additionally, areas of the surface lift with localized roughness greater than 150 inches per mile, as determined by the continuous short interval report, will be identified for correction by the Project Engineer. In the case that 50% of the existing surface MRI is greater than 80 inches per mile, the short continuous threshold shall be increased from 150 inches per mile by the difference between 50% of the existing surface MRI and 80 inches per mile.

No incentive will be allowed if the MRI value from the newly paved surface is greater than the existing surface.

When a project has multiple lifts, all lifts preceding the surface lift shall have a MRI of no more than 10 inches/mile (or one Project Category) more than the surface lift threshold for both long and short continuous intervals. Corrective action must be taken on those segments that do not meet this requirement. No unit price adjustment will be applied on any underlying lift.

For Category A and B projects, a unit price increase will be added when the MRI for the final surface lift, following all required localized roughness (short interval) corrective action, is less than or equal to forty-five inches per mile (45.0 inches / mile) on the long interval report. These Projects will be considered for incentive pay based on the following guidelines for the long interval surface lift MRI.

Mean Roughness Index inches / mile	Contract Price Adjustment percent of HMA unit bid price
Less than 30.0	108
30.0 to 35.0	106
35.1 to 40.0	104
40.1 to 45.0	102
45.1 to Required Surface MRI	100

For Category C projects, a unit price increase will be added when the MRI for the final surface lift, following all required localized roughness (short interval) corrective action, is less than or equal to forty-five inches per mile (45.0 inches / mile) on the long interval report. These Projects will be considered for incentive pay based on the following guidelines for the long interval surface lift MRI.

Mean Roughness Index inches / mile	Contract Price Adjustment percent of HMA unit bid price
Less than or equal to 45.0	103
45.1 to Required Surface MRI	100

In addition to the above pay incentive factors, a project may be subject to a disincentive when the Long Continuous Interval MRI for the surface exceeds the allowable tolerance. This applies to all project categories and will correlate to the maximum allowed Long Continuous Interval MRI.

Mean Roughness Index inches / mile	Contract Price Adjustment percent of HMA unit bid price
Above 20.0 Over	Remove And Replace
15.1 to 20.0 Over	80
10.1 to 15.0 Over	85
5.1 to 10.0 Over	90
0.1 to 5.0 Over	95
Required Surface MRI	100

Note: All incentives and disincentives will be based on a single smoothness test, following all required localized roughness (short interval) corrective action, of the newly paved surface.

Corrective action must be taken on those sections that exceed the 'Remove and Replace' threshold on the Long Continuous Interval as directed by the Project Engineer. Sections that fall into this requirement may also need corrective action on both the preceding and following 264-foot sections as to conform to a complete 528-foot Long Continuous Interval. The minimum remove and replace length will be 528 feet (0.1 mile). Additional smoothness testing shall be required on sections following replacement and will be required to meet *at least* the maximum surface MRI short of 'Remove and Replace'.

The above pay factors will be applied in conjunction with the Long Continuous Histogram Chart from ProVAL's Smoothness Assurance Module. The price adjustments for rideability will be tabulated in MDOT's Pay Incentive spreadsheet on the basis of a theoretical tonnage of 110 lbs/yd^2*inch thickness (pounds per square yard * inch thickness) and 12-foot travel lanes, determined in accordance with Subsections 401.02.6.5 and 403.04, for the segment(s) or portions thereof for which an adjustment is warranted.

Delete Subsection 403.03.5.5 on page 273 and substitute the following.

907-403.03.5.5--Preliminary Leveling. All irregularities of the existing pavement, such as ruts, cross-slope deficiencies, etc., shall be corrected by spot leveling, skin patching, feather edging or a wedge lift in advance of placing the first overall lift.

907-403.04--Method of Measurement. After the first paragraph of Subsection 403.04 on page 274, add the following.

The pay quantities for each individual job mix formula (JMF) will be calculated using the approved JMF maximum specific gravity (Gmm) and the following formulas.

When the composite mixture has a maximum specific gravity of 2.540 or less,

$$Tp = Tw$$

When the composite mixture has a maximum specific gravity greater than 2.540,

$$Tp = Tw((100-(((Gmm*A*B)-C)/(Gmm*A*B))*100))/100$$

Where:

Tp	=	Total tonnage for payment
Tw	=	Total tonnage weighed, used and accepted
Gmm	=	Maximum Specific Gravity of the approved composite asphalt mixture
A	=	46.725 $lbs/yd^2/in$
B	=	0.93 = 93% density
C	=	110.374 $lbs/yd^2/in$ = Theoretical density at 2.540 Gmm

Construction necessary to add 2 lanes to SR 468 from north of US 80 to SR 475, known as Federal Aid Project No. STP-7337-00(001) / 103408301 in Rankin County.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
					Roadway Items
0010	201-A001		1	Lump Sum	Clearing and Grubbing
0020	201-B001		3	Acre	Clearing and Grubbing
0030	202-B002		7,271	Square Yard	Removal of Asphalt Driveways, All Depths
0040	202-B005		14,927	Square Yard	Removal of Asphalt Pavement, All Depths
0050	202-B009		1	Each	Removal of Bridge
0060	202-B018		2,225	Square Yard	Removal of Concrete Driveways, All Depths
0070	202-B019		2	Each	Removal of Concrete Headwall
0080	202-B024		868	Square Yard	Removal of Concrete Median & Island Pavement, All Depths
0090	202-B042		10	Each	Removal of Flared End Section, All Sizes
0100	202-B064		3,329	Linear Feet	Removal of Pipe, 8" And Above
0110	202-B076		1,000	Linear Feet	Removal of Traffic Stripe
0120	202-B093		2,491	Linear Feet	Removal of Curb & Gutter, All Types
0130	202-B113		2	Each	Removal of Box Culvert Wingwall, All Sizes
0140	202-B170		11	Each	Removal of Concrete Junction Box, Manhole and Inlet, All Sizes
0150	203-A003	(E)	21,277	Cubic Yard	Unclassified Excavation, FM, AH
0160	203-D002	(E)	8,228	Cubic Yard	Muck Excavation, LVM
0170	203-EX033	(E)	156,201	Cubic Yard	Borrow Excavation, AH, FME, Class B17
0180	203-G003	(E)	24,941	Cubic Yard	Excess Excavation, FM, AH
0190	206-A001	(S)	10,633	Cubic Yard	Structure Excavation
0200	206-B001	(E)	38	Cubic Yard	Select Material for Undercuts, Contractor Furnished, FM
0210	211-B001	(E)	13,232	Cubic Yard	Topsoil for Slope Treatment, Contractor Furnished
0220	212-B001		17,597	Square Yard	Standard Ground Preparation
0230	213-B001		2	Ton	Combination Fertilizer, 13-13-13
0240	213-C001		13	Ton	Superphosphate
0250	216-A001		17,597	Square Yard	Solid Sodding
0260	217-A001		2,068	Square Yard	Ditch Liner
0270	219-A001		352	Thousand Gallon	Watering [$20.00]
0280	220-A001		13	Acre	Insect Pest Control [$30.00]
0290	221-A001	(S)	419	Cubic Yard	Portland Cement Concrete Paved Ditch
0300	223-A001		1	Acre	Mowing [$40.00]
0310	234-A001		34,792	Linear Feet	Temporary Silt Fence
0320	310-B003	(GT)	1,000	Ton	Size I Stabilizer Aggregate, Coarse

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0330	406-A001		20,254	Square Yard	Cold Milling of Bituminous Pavement, All Depths
0340	408-A003	(A3)	44,997	Gallon	Asphalt for Prime Coat, Cut-Back MC-70 or Emulsified EA-1
0350	501-E001		138	Linear Feet	Expansion Joints, Without Dowels
0360	502-A001	(C)	302	Square Yard	Reinforced Cement Concrete Bridge End Pavement
0370	503-C007		583	Linear Feet	Saw Cut, Full Depth
0380	602-A001	(S)	69,599	Pounds	Reinforcing Steel
0390	603-CA002	(S)	8,762	Linear Feet	18" Reinforced Concrete Pipe, Class III
0400	603-CA003	(S)	3,128	Linear Feet	24" Reinforced Concrete Pipe, Class III
0410	603-CA004	(S)	824	Linear Feet	30" Reinforced Concrete Pipe, Class III
0420	603-CA005	(S)	746	Linear Feet	36" Reinforced Concrete Pipe, Class III
0430	603-CA007	(S)	32	Linear Feet	48" Reinforced Concrete Pipe, Class III
0440	603-CA008	(S)	1,000	Linear Feet	54" Reinforced Concrete Pipe, Class III
0450	603-CA027	(S)	92	Linear Feet	24" Reinforced Concrete Pipe, Class V
0460	603-CA107	(S)	88	Linear Feet	24" Reinforced Concrete Pipe, Class V, Jacked or Bored
0470	603-CB001	(S)	32	Each	18" Reinforced Concrete End Section
0480	603-CB002	(S)	9	Each	24" Reinforced Concrete End Section
0490	603-CB003	(S)	6	Each	30" Reinforced Concrete End Section
0500	603-CB004	(S)	4	Each	36" Reinforced Concrete End Section
0510	603-CB005	(S)	3	Each	42" Reinforced Concrete End Section
0520	603-CB006	(S)	2	Each	48" Reinforced Concrete End Section
0530	603-CB007	(S)	3	Each	54" Reinforced Concrete End Section
0540	603-CE001	(S)	2,640	Linear Feet	22" x 13" Concrete Arch Pipe, Class A III
0550	603-CE002	(S)	88	Linear Feet	29" x 18" Concrete Arch Pipe, Class A III
0560	603-CE003	(S)	96	Linear Feet	36" x 23" Concrete Arch Pipe, Class A III
0570	603-CE004	(S)	168	Linear Feet	44" x 27" Concrete Arch Pipe, Class A III
0580	603-CF001	(S)	2	Each	22" x 13" Concrete Arch Pipe End Section
0590	603-CF002	(S)	1	Each	29" x 18" Concrete Arch Pipe End Section
0600	603-CF003	(S)	1	Each	36" x 23" Concrete Arch Pipe End Section
0610	603-CF004	(S)	4	Each	44" x 27" Concrete Arch Pipe End Section
0620	603-SB005	(S)	1	Each	36" Branch Connections, Stub into Box Culvert
0630	603-SB025	(S)	3	Each	18" Branch Connections, Stub into 54" Concrete Pipe
0640	603-SB028	(S)	1	Each	30" Branch Connections, Stub into Box Culvert
0650	604-A001		13,516	Pounds	Castings
0660	604-B001		1,860	Pounds	Gratings
0670	605-AA003	(S)	13,232	Square Yard	Geotextile for Subsurface Drainage, Type III

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0680	605-W001	(GY)	861	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains,Type A, FM
0690	605-W002	(GY)	1,000	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains,Type B, FM
0700	606-B005		250	Linear Feet	Guard Rail, Class A, Type 1, 'W' Beam
0710	606-D012		2	Each	Guard Rail, Bridge End Section, Type I
0720	606-E001		2	Each	Guard Rail, Terminal End Section
0730	609-B001	(S)	94	Linear Feet	Concrete Curb, Header
0740	609-D007	(S)	712	Linear Feet	Combination Concrete Curb and Gutter Type 2 Modified
0750	609-D008	(S)	27,760	Linear Feet	Combination Concrete Curb and Gutter Type 3A
0760	613-D005		13	Each	Adjustment of Manhole
0770	614-B001	(S)	3,752	Square Yard	Concrete Driveway, With Reinforcement
0780	615-A018	(S)	80	Linear Feet	Concrete Bridge End Barrier, 33.5"
0790	616-A001	(S)	549	Square Yard	Concrete Median and/or Island Pavement, 4-inch
0800	616-A003	(S)	106	Square Yard	Concrete Median and/or Island Pavement, 10-inch
0810	618-A001		1	Lump Sum	Maintenance of Traffic
0820	619-A1001		70,266	Linear Feet	Temporary Traffic Stripe, Continuous White
0830	619-A2001		76,224	Linear Feet	Temporary Traffic Stripe, Continuous Yellow
0840	619-A3001		35,536	Linear Feet	Temporary Traffic Stripe, Skip White
0850	619-A4001		31,595	Linear Feet	Temporary Traffic Stripe, Skip Yellow
0860	619-A5001		9,145	Linear Feet	Temporary Traffic Stripe, Detail
0870	619-A5004		380	Linear Feet	Temporary Traffic Stripe, Detail, Type 1 Tape
0880	619-A6001		4,192	Linear Feet	Temporary Traffic Stripe, Legend
0890	619-A6002		349	Square Feet	Temporary Traffic Stripe, Legend
0900	619-D1001		129	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet
0910	619-D2001		978	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
0920	619-D3001		34	Each	Remove and Reset Signs, All Sizes
0930	619-E1001		2	Each	Flashing Arrow Panel, Type C
0940	619-F1001		910	Linear Feet	Concrete Median Barrier, Precast
0950	619-F2001		910	Linear Feet	Remove and Reset Concrete Median Barrier, Precast
0960	619-G4001		814	Linear Feet	Barricades, Type III, Single Faced
0970	619-G4004		132	Linear Feet	Barricades, Type III, Single Faced, Permanent, Red/White
0980	619-G5001		1,018	Each	Free Standing Plastic Drums
0990	619-G7001		55	Each	Warning Lights, Type "B"
1000	619-J1001		2	Unit	Impact Attenuator, 40 MPH
1010	619-J2005		1	Unit	Impact Attenuator, 40 MPH, Replacement Package
1020	620-A001		1	Lump Sum	Mobilization

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1030	627-K001		915	Each	Red-Clear Reflective High Performance Raised Markers
1040	627-L001		2,286	Each	Two-Way Yellow Reflective High Performance Raised Markers
1050	630-A001		263	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness
1060	630-A002		122	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness
1070	630-C001		17	Linear Feet	Steel U-Section Posts, 2.0 lb/ft
1080	630-C003		486	Linear Feet	Steel U-Section Posts, 3.0 lb/ft
1090	630-E004		37	Pounds	Structural Steel Angles & Bars, 7/16" x 2 1/2" Flat Bar
1100	630-F001		14	Each	Delineators, Guard Rail, White
1110	630-G002		4	Each	Type 3 Object Markers, OM-3R or OM-3L, Post Mounted
1120	630-K001		82	Linear Feet	Welded & Seamless Steel Pipe Posts, 3"
1130	630-K002		15	Linear Feet	Welded & Seamless Steel Pipe Posts, 3 1/2"
1140	635-A001		3,904	Linear Feet	Vehicle Loop Assemblies
1150	636-A003		8,149	Linear Feet	Shielded Cable, 4 Conductor
1160	638-A005		15	Each	Loop Detector Amplifier, Card Rack Mounted, 4 Channel
1170	640-A016		27	Each	Traffic Signal Heads, Type 1 LED
1180	640-A017		3	Each	Traffic Signal Heads, Type 2 LED
1190	640-A022		10	Each	Traffic Signal Heads, Type 7 LED
1200	644-A001		8	Each	Optical Detector
1210	644-B001		1,757	Linear Feet	Optical Detector Cable
1220	644-C002		2	Each	Phase Selector, 4 Channel
1230	646-A001		1	Lump Sum	Removal of Existing Traffic Signal Equipment
1240	647-A001		10	Each	Pullbox, Type 1
1250	647-A002		2	Each	Pullbox, Type 3
1260	647-A003		2	Each	Pullbox, Type 4
1270	647-A005		20	Each	Pullbox, Type 2
1280	648-A001		4	Each	Radio Interconnect, Installed in New Controller Cabinet
1290	653-A001		200	Square Feet	Traffic Sign, Encapsulated Lens
1300	666-B015		784	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 5 Conductor
1310	666-B016		3,050	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 7 Conductor
1320	666-B022		504	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 8, 2 Conductor
1330	668-A016		833	Linear Feet	Traffic Signal Conduit, Underground, Type 4, 1"
1340	668-A018		1,914	Linear Feet	Traffic Signal Conduit, Underground, Type 4, 2"
Changed 05/21/2013					
1341	668-A020		297	Linear Feet	Traffic Signal Conduit, Underground, Type 4, 3"
Added 05/21/2013					

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1350	668-A026		880	Linear Feet	Traffic Signal Conduit, Underground, Rolled Pipe, 3"
1360	668-A029		504	Linear Feet	Traffic Signal Conduit, Underground, Rolled Pipe, 2"
1370	668-A033		1,492	Linear Feet	Traffic Signal Conduit, Underground, PVC Coated, 2"
1380	668-A036		297	Linear Feet	Traffic Signal Conduit, Underground, PVC Coated, 3"
1390	668-B024		504	Linear Feet	Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 2"
1400	668-B025		896	Linear Feet	Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 3"
1410	815-A009	(S)	60	Ton	Loose Riprap, Size 300
1420	815-E001	(S)	204	Square Yard	Geotextile under Riprap
1430	815-F002	(S)	1,000	Ton	Sediment Control Stone
1440	907-225-A001		26	Acre	Grassing
1450	907-225-B001		13	Ton	Agricultural Limestone
1460	907-225-C001		52	Ton	Mulch, Vegetative Mulch
1470	907-226-A001		26	Acre	Temporary Grassing
1480	907-234-C002		1,000	Linear Feet	Super Silt Fence
1490	907-234-D001		9	Each	Inlet Siltation Guard
1500	907-237-A003		10,000	Linear Feet	Wattles, 20"
1510	907-245-A001		500	Linear Feet	Triangular Silt Dike
1520	907-246-B002		500	Each	Rockbags
1530	907-249-A001		2,255	Ton	Riprap for Erosion Control
1540	907-304-A010	(GY)	2,591	Cubic Yard	Granular Material, LVM, Class 5, Group E
1550	907-308-A001		937	Ton	Portland Cement
1560	907-308-B002	(M)	110,705	Square Yard	Soil-Cement-Water Mixing, Optional Mixers, Design Soil
1570	907-308-S001	(A3)	27,676	Gallon	Bituminous Curing Seal
1580	907-407-A001	(A2)	38,870	Gallon	Asphalt for Tack Coat
1590	907-413-E001		124	Linear Feet	Sawing and Sealing Transverse Joints in Asphalt Pavement
1600	907-601-A001	(S)	100	Cubic Yard	Class "B" Structural Concrete
1610	907-601-B003	(S)	540	Cubic Yard	Class "B" Structural Concrete, Minor Structures
1620	907-603-ALT01	(S)	776	Linear Feet	18" Type A Alternate Pipe
1630	907-603-ALT02	(S)	132	Linear Feet	24" Type A Alternate Pipe
1640	907-603-ALT03	(S)	528	Linear Feet	30" Type A Alternate Pipe
1650	907-603-ALT05	(S)	280	Linear Feet	42" Type A Alternate Pipe
1660	907-617-A001		169	Each	Right-of-Way Marker
1670	907-619-E3001		3	Each	Changeable Message Sign
1680	907-626-A006		33,358	Linear Feet	6" Thermoplastic Double Drop Traffic Stripe, Skip White
1690	907-626-B005		1,816	Linear Feet	6" Thermoplastic Double Drop Traffic Stripe, Continuous White

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1700	907-626-C007		32,025	Linear Feet	6" Thermoplastic Double Drop Edge Stripe, Continuous White
1710	907-626-D005		31,586	Linear Feet	6" Thermoplastic Double Drop Traffic Stripe, Skip Yellow
1720	907-626-E005		32,120	Linear Feet	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow
1730	907-626-F005		1,259	Linear Feet	6" Thermoplastic Double Drop Edge Stripe, Continuous Yellow
1740	907-626-G006		6,399	Linear Feet	Thermoplastic Double Drop Detail Stripe, White
1750	907-626-G007		5,901	Linear Feet	Thermoplastic Double Drop Detail Stripe, Yellow
1760	907-626-H009		2,526	Linear Feet	Thermoplastic Double Drop Legend, White
1770	907-626-H010		2,490	Square Feet	Thermoplastic Double Drop Legend, White
1780	907-631-A001		19	Cubic Yard	Flowable Fill, Excavatable
1790	907-639-A002		3	Each	Traffic Signal Equipment Pole, Type II, 17' Shaft, 50' Arm
1800	907-639-A008		1	Each	Traffic Signal Equipment Pole, Type II, 17' Shaft, 55' Arm
1810	907-639-A011		1	Each	Traffic Signal Equipment Pole, Type II, 17' Shaft, 35' Arm
1820	907-639-A015		1	Each	Traffic Signal Equipment Pole, Type IV, 30' Shaft, 50' Arm
1830	907-639-A109		2	Each	Traffic Signal Equipment Pole, Type II, 30' Shaft, 36' Arm
1840	907-639-A110		1	Each	Traffic Signal Equipment Pole, Type II, 30' Shaft, 38' Arm
1850	907-639-A111		4	Each	Traffic Signal Equipment Pole, Type II, 30' Shaft, 40' Arm
1860	907-639-A112		1	Each	Traffic Signal Equipment Pole, Type II, 30' Shaft, 42' Arm
1870	907-639-A113		1	Each	Traffic Signal Equipment Pole, Type II, 30' Shaft, 45' Arm
1880	907-639-A114		1	Each	Traffic Signal Equipment Pole, Type II, 30' Shaft, 60' Arm
1881 Added 05/21/2013	907-639-C002		39	Cubic Yard	Pole Foundations, 36" Diameter
1882 Added 05/21/2013	907-639-C004		9	Cubic Yard	Pole Foundations, 30" Diameter
1883 Added 05/21/2013	907-639-D001		150	Linear Feet	Slip Casing, 36" Diameter
1884 Added 05/21/2013	907-639-D002		50	Linear Feet	Slip Casing, 30" Diameter
1890	907-642-A003		4	Each	Solid State Traffic Actuated Controllers, Type 8A
1900	907-648-C001		2	Each	Radio Ethernet Interconnect, Local Intersection
1910	907-648-D001		2	Each	Radio Ethernet Distribution Repeater Installation
1920	907-658-A001		2	Each	Hardened Network Switch, Type A
1930	907-658-C001		120	Linear Feet	Category 6 Cable, Installed in Conduit
1940	907-699-A002		1	Lump Sum	Roadway Construction Stakes
1950	907-809-A004	(S)	2,446	Square Feet	Temporary Shoring Wall System
1960	907-906001		1,040	Hours	Trainees [$5.00]
					ALTERNATE GROUP AA NUMBER 1

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1970	907-304-F003	(GT)	20,656	Ton	3/4" and Down Crushed Stone Base
					ALTERNATE GROUP AA NUMBER 2
1980	907-304-F004	(GT)	20,656	Ton	Size 825B Crushed Stone Base
					ALTERNATE GROUP AA NUMBER 3
1990	907-304-F002	(GT)	20,656	Ton	Size 610 Crushed Stone Base
					ALTERNATE GROUP BB NUMBER 1
2000	907-403-A001	(BA1)	12,390	Ton	Hot Mix Asphalt, HT, 12.5-mm mixture
					ALTERNATE GROUP BB NUMBER 2
2010	907-403-M010	(BA1)	12,390	Ton	Warm Mix Asphalt, HT, 12.5-mm mixture
					ALTERNATE GROUP CC NUMBER 1
2020	907-403-A002	(BA1)	25,822	Ton	Hot Mix Asphalt, HT, 19-mm mixture
					ALTERNATE GROUP CC NUMBER 2
2030	907-403-M011	(BA1)	25,822	Ton	Warm Mix Asphalt, HT, 19-mm mixture
					ALTERNATE GROUP DD NUMBER 1
2040	907-403-B002	(BA1)	2,401	Ton	Hot Mix Asphalt, HT, 19-mm mixture, Leveling
					ALTERNATE GROUP DD NUMBER 2
2050	907-403-N010	(BA1)	2,401	Ton	Warm Mix Asphalt, HT, 19-mm mixture, Leveling
					ALTERNATE GROUP EE NUMBER 1
2060	907-403-D001	(BA1)	12,655	Ton	Hot Mix Asphalt, HT, 12.5-mm mixture, Polymer Modified
					ALTERNATE GROUP EE NUMBER 2
2070	907-403-P002	(BA1)	12,655	Ton	Warm Mix Asphalt, HT, 12.5-mm mixture, Polymer Modified
					ALTERNATE GROUP FF NUMBER 1
2080	907-403-D004	(BA1)	10,514	Ton	Hot Mix Asphalt, HT, 9.5-mm mixture, Polymer Modified
					ALTERNATE GROUP FF NUMBER 2
2090	907-403-P001	(BA1)	10,514	Ton	Warm Mix Asphalt, HT, 9.5-mm mixture, Polymer Modified
					Bridge Items
2100	501-K001		1,240	Square Yard	Transverse Grooving
2110	803-B002	(S)	1	Each	Conventional Static Pile Load Test [$5,000.00]
2120	803-D001	(S)	1,935	Linear Feet	HP 10 x 42 Steel Piling
2130	803-D003	(S)	1,020	Linear Feet	HP 14 x 73 Steel Piling
2140	803-I001	(S)	2	Each	PDA Test Pile
2150	803-J001	(S)	1	Each	Pile Restrike
2160	805-A001	(S)	91,807	Pounds	Reinforcement
2170	813-A002	(S)	364	Linear Feet	Concrete Railing, 32"
2180	815-A009	(S)	736	Ton	Loose Riprap, Size 300

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
2190	815-E001	(S)	1,089	Square Yard	Geotextile under Riprap
2200	907-804-A001	(S)	500	Cubic Yard	Bridge Concrete, Class AA
2210	907-804-C019	(S)	1,603	Linear Feet	60' Prestressed Concrete Beam, Type II+2
					Utility Items
2220	202-B248		13	Each	Removal of Manhole
2230	613-A002		1	Each	Adjustment of Castings, Gratings & Utility Appurtenances
2240	907-261-B001	(S)	90	Linear Feet	20" Steel Casing (Bored)
2250	907-261-B001	(S)	55	Linear Feet	20" Steel Casing (Open Cut)
2260	907-261-B003	(S)	230	Linear Feet	16" Steel Casing (Bored)
2270	907-262-A011	(S)	265	Linear Feet	8" Sewer Main (10-12)
2280	907-262-A011	(S)	417	Linear Feet	8" Sewer Main (12-14)
2290	907-262-A011	(S)	110	Linear Feet	8" Sewer Main (14-16)
2300	907-262-A011	(S)	28	Linear Feet	8" Sewer Main (6-8)
2310	907-262-A011	(S)	160	Linear Feet	8" Sewer Main (Bored) (No Casing) (All Depths)
2320	907-262-A011	(S)	225	Linear Feet	8" Sewer Main (In Casing)
2330	907-262-A012	(S)	15	Linear Feet	10" Sewer Main (10-12)
2340	907-262-A012	(S)	431	Linear Feet	10" Sewer Main (8-10)
2350	907-262-A012	(S)	160	Linear Feet	10" Sewer Main (Bored) (No Casing) (All Depths)
2360	907-262-A012	(S)	95	Linear Feet	10" Sewer Main (In Casing)
2370	907-262-A013	(S)	321	Linear Feet	12" Sewer Main (10-12)
2380	907-262-A013	(S)	1,050	Linear Feet	12" Sewer Main (8-10)
2390	907-262-A013	(S)	145	Linear Feet	12" Sewer Main (Bored) (No Casing) (All Depths)
2400	907-262-A013	(S)	120	Linear Feet	12" Sewer Main (In Casing)
2410	907-262-K002		3	Each	48" Diameter Manhole (10-12) (Seal Cover)
2420	907-262-K002		3	Each	48" Diameter Manhole (12-14) (Seal Cover)
2430	907-262-K002		1	Each	48" Diameter Manhole (14-16) (Seal Cover)
2440	907-262-K002		1	Each	48" Diameter Manhole (6-8) (Seal Cover)
2450	907-262-K002		2	Each	48" Diameter Manhole (8-10) (Seal Cover)
2460	907-262-K002		1	Each	48" Diameter Manhole (Doghouse) (16-18) (Seal Cover)
2470	907-262-K002		1	Each	48" Diameter Manhole (Doghouse) (8-10) (Seal Cover)
2480	907-262-M001	(S)	500	Cubic Yard	Muck Excavation
2490	907-262-N001	(S)	500	Cubic Yard	Select Bedding Material
2500	907-262-O001	(S)	200	Cubic Yard	Select Backfill Material
2510	907-262-P002	(S)	3,000	Linear Feet	Dewatering
2520	907-262-PP002	(S)	300	Linear Feet	Service Lateral (6" Sewer) (Bored) (All Depths)

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
2530	907-262-PP002	(S)	925	Linear Feet	Service Lateral (6" Sewer) (Open Cut) (All Depths)
2540	907-262-PP004		16	Each	Reconnect Existing Service
2550	907-262-PP005		2	Each	New Sewer Service
2560	907-262-PP006		4	Each	Connect to Existing Manhole
2570	907-262-PP007		3	Each	Bypass Pumping Setup, Complete (Including Pumps and Discharge Piping)
2580	907-262-Q001	(S)	225	Square Yard	100% Solid Epoxy Lining (70 Mil Thickness)
2590	907-262-R001	(S)	90	Cubic Yard	Low Pressure Portland Cement Grout