

Special Notes – NYSDOT Specific Projects

Bituminous Concrete Warm Mix Asphalt
(2022 VPP NYSDOT Specific Projects)
(State & Federal Funds)

Award# 23258

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SECTION 1: WARM MIX ASPHALT – (SPECIFIC CLAUSES)

1.1 Material Descriptions

The following are the material descriptions of Superpave WMA items that may be included in this contract:

MATERIAL DESIGNATION	DESCRIPTION
404.017901	Truing & Leveling F9, WMA, 70 Series Compaction
404.018901	Truing & Leveling F9, WMA, 80 Series Compaction
404068101	6.3 F1 Top Course WMA, 80 Series Compaction
404.068201	6.3 F2 Top Course WMA, 80 Series Compaction
404.068301	6.3 F3 Top Course WMA, 80 Series Compaction
404.095101	9.5 F1 Top Course WMA, 50 Series Compaction
404.095201	9.5 F2 Top Course WMA, 50 Series Compaction
404.096101	9.5 F1 Top Course WMA, 60 Series Compaction
404.096201	9.5 F2 Top Course WMA, 60 Series Compaction
404.096301	9.5 F3 Top Course WMA, 60 Series Compaction
404.097101	9.5 F2 Top Course WMA, 70 Series Compaction
404.097201	9.5 F2 Top Course WMA, 70 Series Compaction
404.097301	9.5 F3 Top Course WMA, 70 Series Compaction
404..098101	9.5 F1 Top Course WMA, 80 Series Compaction
404.098201	9.5 F2 Top Course WMA, 80 Series Compaction
404.098301	9.5 F3 Top Course WMA, 80 Series Compaction
404.125101	12.5 F1 Top Course WMA, 50 Series Compaction
404.125201	12.5 F2 Top Course WMA, 50 Series Compaction
404.126101	12.5 F1 Top Course WMA, 60 Series Compaction
404.126201	12.5 F2 Top Course WMA, 60 Series Compaction
404.126301	12.5 F3 Top Course WMA, 60 Series Compaction
404.127101	12.5 F1 Top Course WMA, 70 Series Compaction
404.127201	12.5 F2 Top Course WMA, 70 Series Compaction
404.127301	12.5 F3 Top Course WMA, 70 Series Compaction
404.128104	12.5 F1 Top Course WMA, 80 Series Compaction
404.128204	12.5 F2 Top Course WMA, 80 Series Compaction
404.128304	12.5 F3 Top Course WMA, 80 Series Compaction
404.198904	19.0 F9 Binder Course WMA, 80 Series Compaction
404.258904	25.0 F9 Binder Course WMA, 80 Series Compaction
404.058901	WMA Shim Course F9
404.000011	Plant Production Quality Adjustment to WMA Items
404.000021	Pavement Density Quality Adjustment to WMA Items
404.000031	Joint Density Quality Adjustment to WMA Items
404.06820409	6.3 F2 Top Course WMA with Polymer Fiber, 80 Series Compaction

SECTION 1: WARM MIX ASPHALT – (SPECIFIC CLAUSES)

1.2 Pre-Paving Meeting

The vendor shall schedule a Pre-Paving Meeting with the affected Resident Engineer within one month after the award of the Contract and at least two weeks prior to the start of paving. At this meeting the vendor shall present Certificates of Insurance evidencing compliance with the additional insurance requirements, their proposed paving schedule, equipment, proposed tack coat application procedure and paving procedure, and Work Zone Traffic Control Plan to the State for approval. At least one week prior to the start of paving, the vendor shall coordinate the details of the paving with the Resident Engineer.

1.3 Supervision

The Department of Transportation shall provide supervision for the paving operation. The Resident Engineer shall designate a Paving Supervisor and that person shall be in charge of the operation. The following portions of Section 105 - CONTROL OF WORK of the Standard Specifications shall apply to these projects: 105-01 ENGINEER'S AUTHORITY, 105- 05 VENDOR RESPONSIBILITY, 105-06 COOPERATION WITH UTILITIES AND OTHER CONTRACTORS.

1.4 Work Hours

Work shall not be permitted on Sundays and NYS Holidays. If the contractors desire to work overtime on other days, dispensation from NYS Labor Department must be obtained using Department of Labor Form PW-30 (09/18). Night work is prohibited unless agreed to by the Contractor and NYS Department of Transportation. All Overtime Dispensations requests shall be submitted to the Resident Engineer or his/her designee at the preconstruction meeting.

1.5 Restoration of Disturbed Areas

During the course of the work the vendor shall take reasonable care not to disturb areas outside the existing pavement. Any areas disturbed by the vendor shall be returned to their original condition at no expense to the State. Any and all debris generated as part of the work shall be removed by the vendor upon completion of the project.

1.6 Tack Coat

The vendor shall provide and apply bituminous tack coat to all existing asphalt pavement surfaces to be overlaid in this contract (and to all asphalt pavement surfaces included in this contract that will be overlaid by this contract). Tack coat shall meet the material requirements in Section 407-2 of the Standard Specifications. The application of tack coat shall comply with Section 407-3 of the Standard Specifications. **Tack coat shall be paid under its own item in gallons.**

1.7 Construction Details

The construction details shall comply with the requirements specified in Subsections 401-3.01, 402-3 and 407-3 of the Standard Specifications. The Paving Supervisor shall have sole responsibility for determining compliance with the specifications. All orders given to the vendor regarding construction details shall be considered final. The pavement thicknesses and lane and shoulder widths shall be as specified elsewhere in this Invitation for Bids.

SECTION 1: WARM MIX ASPHALT – (SPECIFIC CLAUSES)

1.8 Attention: Special Note - Conditioning

The vendor will not be responsible for the initial conditioning of the existing pavement and shoulder surfaces as described in Section 402-3.05 of the NYSDOT Standard Specifications. Patching, joint repair, crack filling and the initial surface cleaning will be done by NYSDOT forces prior to the VPP project. However, once the VPP overlay placement begins, the vendor is responsible for keeping the pavement and shoulders clean until the overlay operations are completed, as per Section 633-3.01 of the NYSDOT Standard Specifications.

1.9 Work Zone Traffic Control

The vendor shall be responsible for Work Zone Traffic Control. Traffic shall be controlled in accordance with the Manual of Uniform Traffic Control Devices (MUTCD) and Sections 619-1 through 619-3 of the Standard Specifications as described herein including modifications to the Standard Specifications. The vendor shall submit a Work Zone Traffic Control Plan for approval to the Resident Engineer at the Pre-Paving Meeting. For two-way roadways, Figures TAST-C1, TAST-C2, TAST-C3OF, TAST-C3TF, TAST-C7 and TAST-CMF included in this document may be used as a basis for development of a Work Zone Traffic Control Plan. For one-way roadways, Figures TAST-CE1, TAST-CE2, and TAST-C8 may be used as a basis for development of a Work Zone Traffic Control Plan. For one-way Freeways or Expressways, Figures TAST-E1, TAST-CE1, TAST-E6, and TAST-E7 may be used as a basis for development of a Work Zone Traffic Control Plan.

All necessary flaggers for Work Zone Traffic Control shall be provided by the vendor. For two-way roadways, a minimum of three flaggers shall be provided while the paving operation is underway. One shall be stationed at each end of the operation and one shall be stationed with the paver. For one-way roadways, a minimum of two flaggers shall be provided while the paving operation is underway. One shall be stationed at the beginning of the operation and one shall be stationed with the paver. The vendor shall station flaggers such that communication is maintained between the flaggers. Hand signals, radios, pilot vehicles or some other means of communication may be used subject to the approval of the Resident Engineer.

All costs for Work Zone Traffic Control including flagging, temporary pavement marking and/or delineation, and construction signs are included in the price per ton. No separate payment shall be made.

Major intersecting roads are defined as through State, County, Town, Village, or City roads. The Contractor may provide Portable signs as shown in Figure 6F-2 of the MUTCD and meeting the requirements of Section 619 of the Standard Specifications for lane closures during work hours. Signs left active at night shall be rigid and reflectorized in accordance with the Standard Specifications.

With prior permission of the State's Resident Engineer, the contractor may provide portable signs as shown in Figure 6F-2 of the MUTCD for the DO NOT PASS and NO CENTER LINE signs referenced in Section *Special Note - Temporary Pavement Markings*. The contractor shall be responsible for assuring that these signs will be in their upright, visible positions twenty-four hours a day, seven days a week while 2' x 4" temporary yellow markings are used instead of full barrier pavement markings.

The Contractor shall provide construction signs as specified in Section 619-1 through 619-3 of the Standard Specifications and in the MUTCD. At a minimum, the Contractor shall install the following permanent construction signs.

SECTION 1: WARM MIX ASPHALT – (SPECIFIC CLAUSES)

1.9 Work Zone Traffic Control (Cont'd)

SIGN	MINIMUM SIZE	LOCATION
ROAD WORK NEXT_ MILES	<u>G20-1</u> Conventional 36" x 18" Freeways 48" x 24"	On main line upstream of project in each direction.
END ROAD WORK	<u>G20-2</u> Conventional 36" x 18" Freeways 48" x 24"	On main line after end of project in each direction.
ROAD WORK AHEAD	<u>W20-1</u> Conventional 36" x 36" Freeways 48" x 48"	On main line in advance of the affected highway segment in each direction and on major intersecting roads 300 -500 feet in advance of main line. Sign should be covered if it conflicts with temporary signing in the vicinity. (Place between the G20-1 and the first warning sign that states condition- i.e. W8-12, W8-9 or W8-15).
DO NOT PASS	<u>R4-1</u> Conventional 24" x 30"	If 2'x 4" temporary yellow markings are used instead of full barrier centerline pavement markings, place the first sign at or within 100 feet of the beginning of the unmarked area, second within 1,000 feet and subsequent signs, spaced every ½ mile along project in each direction.
NO CENTER LINE	<u>W8-12</u> Conventional 36" x 36"	If 2'x 4" temporary yellow markings are used instead of full barrier centerline pavement markings, place the first sign in advance of the condition and the first "DO NOT PASS" sign: 300' urban is preferred (100' minimum), 500' rural is preferred (200' minimum). Place additional signs spaced every 2 miles on mainline in each direction and after every major intersecting road.
LOW SHOULDER	<u>W8-9</u> Conventional 36" x 36" Freeways 48" x 48"	Place on mainline spaced every 2 miles along project in each direction and after every major intersecting road until shoulder back-up is installed (if conditions warrant use, place between the W8-12 and R4-1, maintaining a minimum of 200' between signs for rural roads and 100' on urban. The W8-12 can be moved upstream to accommodate the required spacing).
GROOVED PAVEMENT	<u>W8-15</u> Conventional 36" x 36" Freeways 48" x 48"	On any roadway 500 feet in advance of rebates milled under this contract, but not paved. Remove or cover after paving rebate.

**All signs should maintain an absolute minimum spacing of 200' rural or 100' urban. 500' is preferred on rural and 300' is preferred on urban.

Double stacking of any of the above signs, or combination thereof, will NOT be permitted.

SECTION 1: WARM MIX ASPHALT – (SPECIFIC CLAUSES)

1.9 Work Zone Traffic Control (Cont'd)

1.9.1 **Special Note - Temporary Pavement Markings**

The contractor shall install and maintain temporary pavement markings on any paved surface without permanent pavement markings before opening it to traffic, before nightfall or before the end of the work day, whichever comes soonest except for areas that are open during the work shift with channelizing devices or flaggers. Temporary pavement markings shall meet the requirements of Section 619 of the Standard Specifications except that two-lane, two-way highways may be left without full barrier centerlines in no passing zones for a maximum of 7 calendar days provided that NO CENTER LINE (W8-12, black on orange), NO PASSING ZONE (W14-3, black on orange pennant shaped sign), and DO NOT PASS (R4-1) signs are used consistent with the MUTCD and in conjunction with yellow 2 foot by 4 inch pavement markings consisting of retro-reflective removable pavement marking tape, paint or yellow temporary overlay markers installed on a 40 ft. cycle to delineate the centerline location.

The State is responsible for the final pavement markings unless otherwise indicated in the contract. If the vendor chooses to install NO CENTER LINE and DO NOT PASS signs and temporary yellow 2 foot by 4 inch pavement markings in lieu of full barrier centerline markings, the signs shall be left in place until the State has completed installing the final pavement markings. The State will normally complete final pavement markings within 7 days of the project completion. However, if unavoidable situations delay the pavement marking installation the signs shall remain in place for 14 calendar days after the project has been completed or until the State has completed installing the final pavement markings, whichever comes first. If permanent pavement marking cannot be installed within 14 days of the project completion, State must install interim pavement marking including center lines, edge lines, stop bars, and simple crosswalks with no hatching before the end of 14 days after project completion.

1.9.2 **Hot Mix Asphalt Overlay Splice (Rebate)**

The vendor shall install hot mix asphalt overlay splices (pavement terminations) as per the Detail of Hot Mix Asphalt Overlay Splice (see next page). Hot mix asphalt overlay splices shall be installed at the areas indicated in the Location Table for Hot Mix Asphalt Overlay Splices. The cost for sawcutting, milling rebates and cleaning pavement in the splice area shall be included in the price bid per ton of bituminous concrete. Tack coat shall be paid under its own item as specified elsewhere. No separate payments shall be made for hot mix asphalt overlay splices.

Immediately after the hot mix asphalt overlay splices are milled, a temporary asphalt ramp shall be constructed. A cone or drum shall be installed at the ramp. If the rebate is left in place at night a drum equipped with a Type A flashing warning light shall be used and the ramp sloped in accordance with Table 619-1. No separate payment shall be made for the ramps. The cost shall be included in the price bid per ton of bituminous concrete.

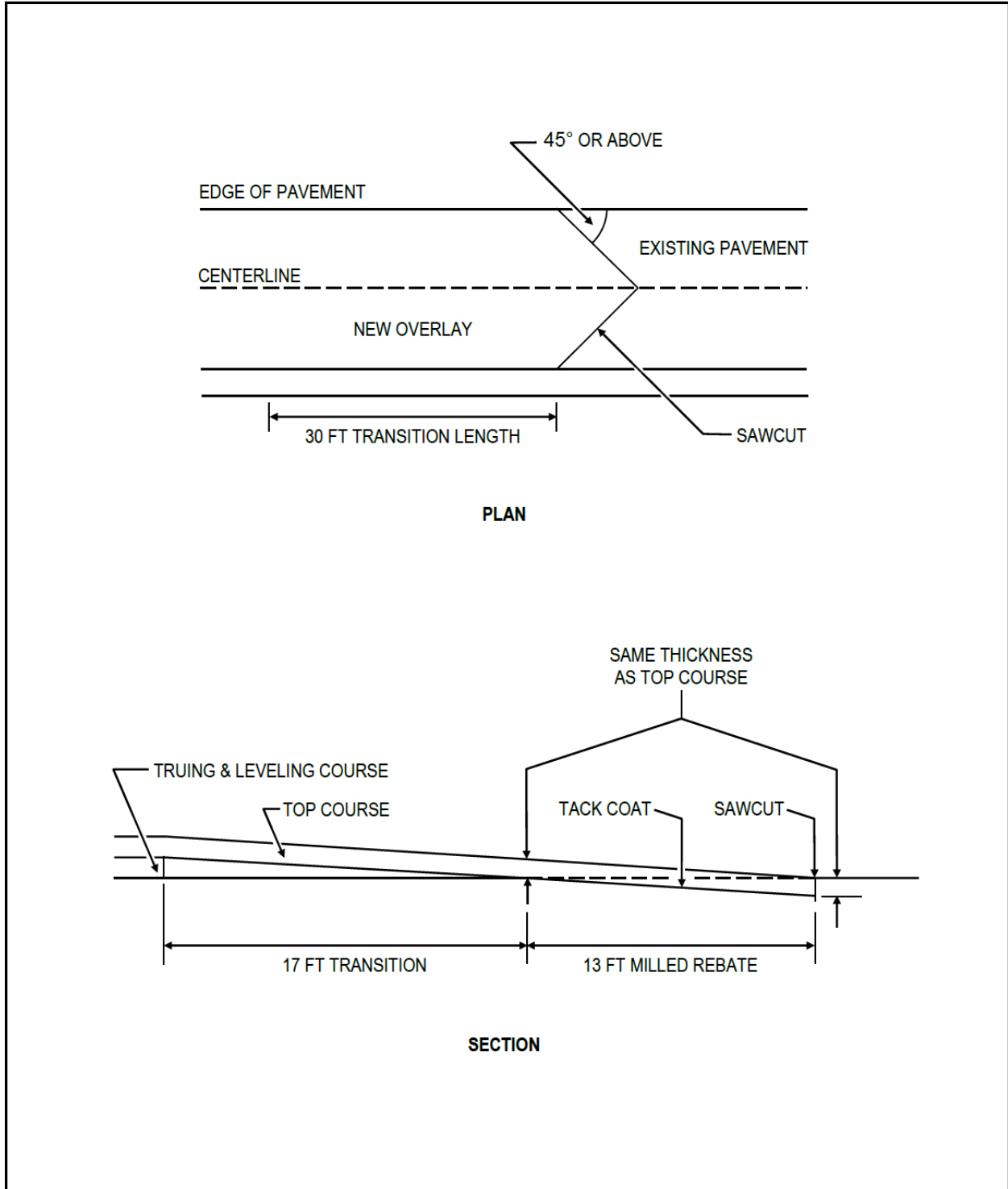
Where rebates are milled and ramps are constructed and traffic is to ride on the milled pavement for more than the one work day in which the rebate is milled, GROOVED PAVEMENT signs (W8-15) shall be installed on the right side of the roadway, 500 feet upstream of the rebate location. No separate payment shall be made for the GROOVED PAVEMENT sign. The cost shall be included in the price bid per ton of bituminous concrete.

SECTION 1: WARM MIX ASPHALT – (SPECIFIC CLAUSES)

1.9 Work Zone Traffic Control (Cont'd)

1.9.2 Hot Mix Asphalt Overlay Splice (Rebate)(Cont'd)

DETAIL OF HOT MIX ASPHALT OVERLAY SPLICE



SECTION 1: WARM MIX ASPHALT – (SPECIFIC CLAUSES)

1.9 Work Zone Traffic Control (Cont'd)

1.9.3 Special Note: Work Zone Intrusion Initiative

As part of the Department of Transportation's Work Zone Intrusion Initiative, the following countermeasures shall apply to this Invitation for Bids:

Channelizing Device Spacing Reduction

A maximum channelizing device spacing of 40 feet shall be provided at stationary work sites where workers are exposed to traffic. This spacing shall be maintained a reasonable distance upstream of workers and shall be used throughout the work zone.

Where tapers are located less than 500 feet from the work site, the 40 foot spacing shall be used in the taper as well.

Drums or vertical panels are preferred for long-term stationary and intermediate-term stationary work zones, and at any locations where the risk of intrusion is high. Traffic cones are normally adequate for work zones set up and removed on a daily basis.

In long lane or shoulder closures, at least two channelizing devices shall be placed transversely at maximum 800-foot intervals to discourage traffic from driving through the closed lane. Transversely placed devices are not required where pilot vehicles are in use.

Frequent checks shall be made to reset channelizing devices dislodged by traffic.

Flagger Station Enhanced Setups

Additional cones and a flag tree meeting section 6F.62 of the MUTCD shall be used upstream of flagger stations to provide added warning to drivers. These devices shall be used for flagger stations except those that are constantly moving or are in use at one location for no more than a few minutes. If the W20-7a Flagger sign is required, the additional cones and flag tree shall also be used. If the flaggers move with the paving operation, the vendor shall ensure that appropriate distances are maintained between the flagger sign series, flag tree and the flaggers. The W20-7 flagger sign shall be a minimum of 300 feet and a maximum of 2,000 feet in advance of the flagger. If two or more sets of signs on an approach are used to maintain appropriate distances, when the operation progresses to the point where the next set of flagger warning signs is activated, the original signs shall be deactivated by removal, turning away from traffic or laying them down in a manner that does not pose a roadside hazard for passing vehicles. Only one series of flagger warning signs per approach shall normally be visible to traffic. For additional details on Flagger Station Enhanced Setups, see Work Zone Traffic Control Drawings in this Invitation for Bids.

1.9.4 Temporary Rumble Strips

Description

This work shall consist of the installation, maintenance and subsequent removal of temporary rumble strips in paving work zones where indicated in the Invitation for Bids or as directed by the Engineer.

Materials

Rumble strips shall be either constructed in place from a raised strip of asphalt concrete or constructed in place with removable pavement marking tape. Raised removable tape rumble strips shall be formed by applying four layers of removable black non-reflectorized removable pavement marking tape. The tape shall be applied to a clean, dry pavement surface in accordance with the manufacturer's recommendations. The pavement surface shall be cleaned with compressed air just prior to application of the tape.

SECTION 1: WARM MIX ASPHALT – (SPECIFIC CLAUSES)

1.9 Work Zone Traffic Control (Cont'd)

1.9.4 Temporary Rumble Strips (Cont'd)

Raised asphalt rumble strips shall be formed from warm mix asphalt meeting the requirements of Items 404.058901 or 404.098901. Tack coat meeting the requirements of Item 407.0102 Diluted Tack Coat shall be used to adhere the rumble strip to the existing pavement. Temporary rumble strips shall be formed using a specially constructed rumble strip paver (drag box) pulled transversely across the pavement, or by hand placement between forms fixed to the pavement. If forms are used, they shall be removed prior to compaction of the asphalt mixture. Compaction shall be accomplished using a plate tamper or a static roller. The roadway surface on which the rumble strips are to be attached shall be dry, free of surface contaminants such as dust or oil, and shall be 45F or greater unless otherwise authorized by the Engineer. The pavement surface shall be cleaned with compressed air just prior to tack coating and subsequent installation of rumble strips.

Temporary rumble strips shall be placed in a succession of three 6 Strip Patterns according to the attached “Suggested Layout Details - Temporary Rumble Strips”. Each strip shall be placed on 10-foot centers and traversing the full width of each travel lane. On curbed roadways, rumble strips shall end a minimum of 3 feet from the curb so as to not interfere with drainage. Rumble strips shall be between 6 inches and 9 inches in width and have a final compacted thickness of 0.4 inches \pm 0.1 inches.

Any raised rumble strips that fail to adhere to the pavement, or become damaged or flattened such that, in the opinion of the Engineer, they are no longer performing their intended function, shall be replaced or repaired by the Contractor to the satisfaction of the Engineer. Any associated damage to the pavement shall also be repaired by the Contractor to the satisfaction of the Engineer. These replacements or repairs shall be made at no additional expense to the Purchasing Agency.

When directed by the Engineer, (e.g., prior to the start of the winter plowing season), or prior to the placement of successive pavement courses, the Contractor shall completely remove the rumble strips from the pavement. Rumble strips shall be removed upon completion of work and concurrently with the removal of other temporary traffic control signs and devices. Any pavement that is damaged in the process of removing the rumble strips shall be repaired by the Contractor to the satisfaction of the Engineer at no additional expense to the Purchasing Agency.

Basis of Payment

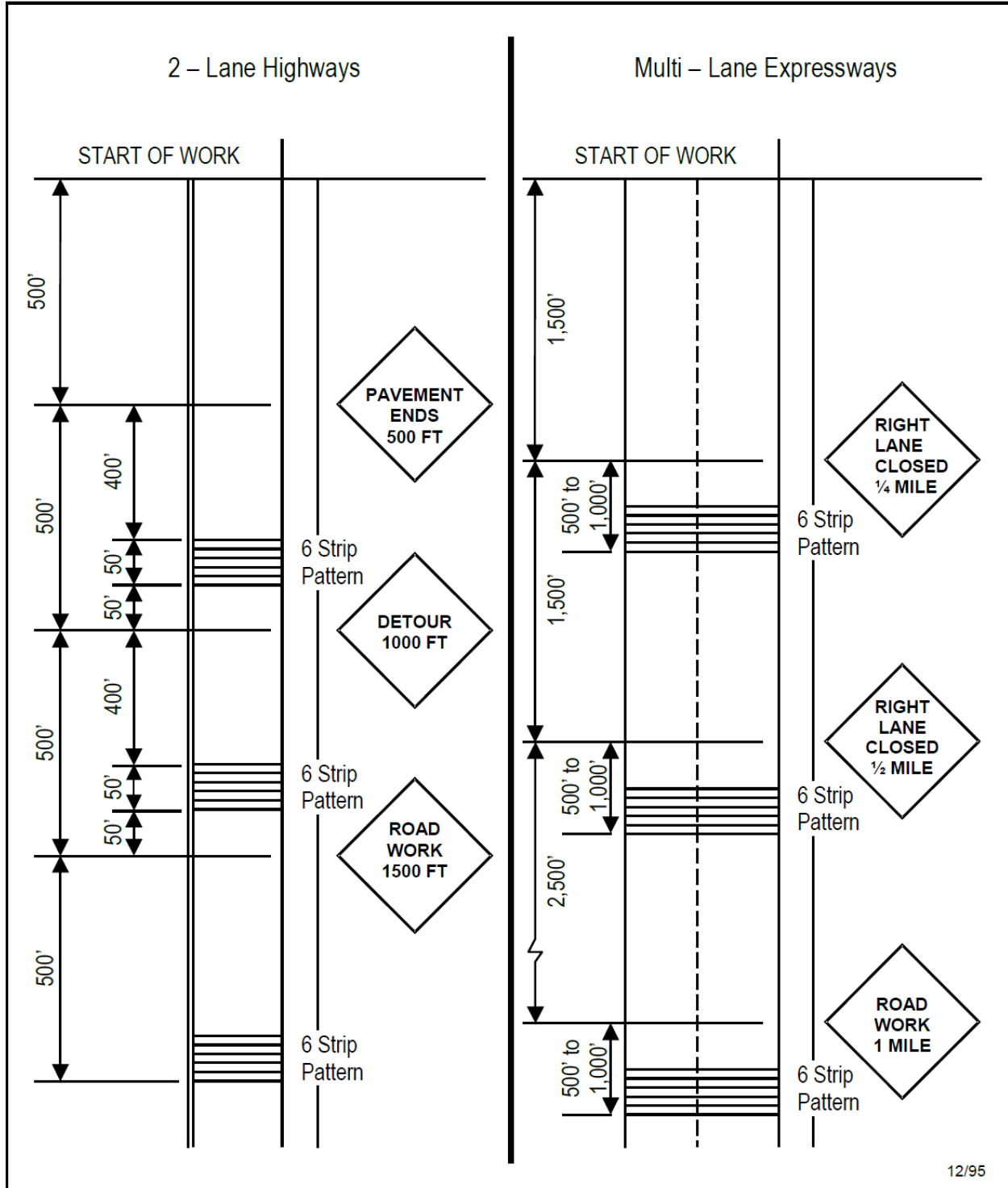
All costs for the installation, maintenance and removal of temporary rumble strips are included in the price per ton. No separate payment shall be made.

SECTION 1: WARM MIX ASPHALT – (SPECIFIC CLAUSES)

1.9 Work Zone Traffic Control (Cont'd)

1.9.4 Temporary Rumble Strips (Cont'd)

Suggested Layout Details -- Temporary Rumble Strips



12/95

SECTION 1: WARM MIX ASPHALT – (SPECIFIC CLAUSES)

1.10 Contract Bonds

The Contractor shall provide the State with a Labor and Materials Bond from a Surety Company listed on the U.S. Department of the Treasury listing of Approved Sureties (Treasury Department Circular 570) and licensed to do business in New York State, and with a minimum rating by A.M. Best of (A-) in the “best’s Key Rating Guide”. Treasury Department Circular 570 can be found on the U.S. Department of the Treasury website at www.fms.treas.gov/c570/index.html.

The Contractor shall procure and deliver the bond to the State at the Pre-Paving Meeting referenced in Section *Pre-Paving Meeting* and shall maintain it at its own expense and without expense to the State during the Contract and until three months after the OGS contract ending date. If the contract is extended, the Labor and Materials Bond shall be extended until three months after the new contract ending date. The Surety Company shall append a statement of its financial condition and a copy of the resolution authorizing the execution of Bonds by the officers of the Company to the bond.

1.10.1 Labor and Material Bond

The Contractor shall provide a bond in the form prescribed by the Commissioner of the New York State Department of Transportation (NYSDOT), shown in the NYSDOT Standard Specification for Design and Construction, Sub-Section 103-08 Sample Form of Labor and Material Bond, with sufficient sureties, approved by said Commissioner, guaranteeing prompt payment of monies due all persons supplying the Contractor with labor and materials employed and used in carrying out the contract, which bond shall inure to the benefit of the persons supplying such labor and materials. The amount of the Labor and Material Bond shall be 100% of the amount of the total contract bid price.

1.10.2 Labor and Material Bond Example

See the sample Labor and Materials Bond language below.

SECTION 1: WARM MIX ASPHALT – (SPECIFIC CLAUSES)

1.10 Contract Bonds (Cont'd)

1.10.2 Labor and Material Bond Example (Cont'd)

SAMPLE (page 1 of 2)

103-08 SAMPLE FORM OF LABOR AND MATERIAL BOND

KNOW ALL PERSONS BY THESE PRESENTS,that

(Name of Contractor)

(Address)

(hereinafter called the “Principal”) and the

_____ a corporation created and existing under the laws of the State of _____ having its principal office in the City of..... (hereinafter called the “Surety”), are held and firmly bound unto the People of the State of New York (hereinafter called the “State”) by and through its Department of Transportation (hereinafter called the “Department”), in the full and just sum of [Total Contract Bid Price or the “A Portion” of Total Contract Bid Price Dollars (\$ _____)] good and lawful money of the United States of America, for payment of which said sum of money, well and truly to be made and done, the said Principal binds itself, its heirs, executors and administrators, successors and assigns, and the said Surety binds itself, its successors and assigns jointly and severally, firmly by these presents:

WHEREAS, said Principal has entered into a certain written contract, on the _____ day of _____, 20____ with the Department of Transportation, 50 Wolf Road, Albany, New York 12232.

(Project Description)

In the county/counties of which constitutes Contract No. NOW, THEREFORE, the condition of this obligation is such, that if the said Principal shall promptly pay all monies due to all persons furnishing labor or materials to it or its SubContractors in the prosecution of the work provided for in said contract, then this obligation shall be void, otherwise to remain in full force and effect; Provided, however, that the Comptroller of the State of New York having required the said Principal to furnish this bond in order to comply with the provisions of Section 137 of the State Finance Law, all rights and remedies on this bond shall inure solely to such persons and shall be determined in accordance with the provisions, conditions and limitations of said Section to the same extent as if they were copied at length herein; and Further, provided, that the place of trial of any action on this bond shall be in the county in which the said contract was to be performed, or if said contract was to be performed in more than one county then in any such county, and not elsewhere.

IN TESTIMONY WHEREOF, the said Principal has hereunto set his/her (their, its) hand and the said Surety has caused this instrument to be signed by its authorized officer, the day and year above written.

Signed and delivered ___ day of _____ 20___ in the presence of

(Company)
By _____) Principal (Signature)

(Title)

(Company)
By _____) Surety (Signature)

(Title of Authorized Officer)

(The Surety Company shall append a single copy of a statement of its financial condition and a copy of the resolution authorizing the execution of Bonds by officers of the Company to the bond(s).

SECTION 1: WARM MIX ASPHALT – (SPECIFIC CLAUSES)

1.10 Contract Bonds (Cont'd)

1.10.2 Labor and Material Bond Example (Cont'd)

SAMPLE (page 2 of 2)

103-08 SAMPLE FORM OF LABOR AND MATERIAL BOND

(Acknowledgment of principal, unless it be a corporation)

STATE OF NEW YORK ss. :

COUNTY OF _____

On this ____ day of _____ 20____, before me personally came _____ to me known and known to me to be the person described in and who executed the foregoing instrument and acknowledged that he/she executed the same.

Notary Public

(Acknowledgment of principal, if a corporation)

STATE OF NEW YORK ss. :

COUNTY _____

On this ____ day of _____ 20____, before me personally came _____ to me known and known to me to be the person, who being by me duly sworn, did depose and say that he/she resides in _____ that he/she is the _____ of the _____ the corporation described in and which executed the foregoing instrument; and that he/she signed his/her name thereto by order of the Board of Directors of said Corporation.

Notary Public

(Acknowledgment of Surety Company)

STATE OF NEW YORK ss. :

COUNTY OF _____

On this ____ day of _____ 20____, before me personally came _____ to me known and known to me to be the person, who being by me duly sworn, did depose and say that he/she resides in _____ that he/she is the _____ of the _____ the corporation described in the foregoing instrument; and that he/she signed his/her name thereto by order of the Board of Directors of said Corporation.

Notary Public

State Of New York Office of the Attorney General

I hereby approve the foregoing contract and bond as to form and manner of execution.

SECTION 2: PROJECTS - SPECIAL NOTES (ALL NYSDOT REGIONS)

2.1 Funding Source

The following projects will be funded by **Federal Aid**:

Projects 1V2211, 1V2212, 1V2221, 1V2222, 1V2223, 1V2224, 1V2231, 1V2241, 1V2242, 1V2243, 1V2252, 1V2261, 1V2281, 2V2211, 2V2221, 2V2231, 360450, 360457, 360458, 5V2211, 5V2214, 5V2224, 5V2241, 5V2242, 5V2243, 5V2252, 5V2253, 5V2257, 5V2258, 6V2221, 7V2211, 7V2212, 7V2223, 7V2226, 7V2227, 7V2243, 7V2244, 7V2245, 7V2246, 7V2251, 7V2261, 7V2264, 9V2242, and 9S2271

The following projects will be 100% **State funded**:

Projects 1V2244, 1V2251, 2V2241, 2V2261, 360442, 360443, 360444, 360445, 360446, 360447, 360448, 360449, 360451, 360452, 360453, 360454, 360455, 360456, 401447, 403195, 403373, 403964, 405300, 406362, 406364, 406365, 425100, 425215, 425312, 425900, 428610, 428612, 435000, 441409, 448806, 5V2212, 5V2213, 5V2215, 5V2216, 5V2217, 5V2218, 5V2219, 5V2221, 5V2222, 5V2223, 5V2225, 5V2226, 5V2227, 5V2228, 5V2229, 5V2231, 5V2232, 5V2233, 5V2244, 5V2245, 5V2251, 5V2254, 5V2255, 5V2256, 5V2259, 6V2115, 6V2216, 6V2217, 6V2222, 6V2246, 6V2247, 6V2252, 6V2253, 6V2254, 7V2213, 7V2221, 7V2224, 7V2225, 7V2234, 7V2235, 7V2237, 7V2241, 7V2242, 7V2254, 7V2255, 7V2257, 7V2258, 7V2262, 9S2221, 9S2222, 9S2241, 9S2243, 9S2251, 9S2253, 9S2261, 9S2281, and 9S2283

2.2 Project Locations

The specific locations for all projects listed in this Invitation for Bids can be found in Attachment 1 - Pricing.

2.3 Special Note - Coordination with Cold Recycling Projects

Prior to WMA overlay, Projects 1V2211, 1V2212, 1V2231, 1V2243, 1V2244, 1V2251, 1V2281, 2V2241, 2V2261, 360454, 406365, 6V2246, 7V2241, 7V2242, 9S2241, 9S2243, 9S2253, 9S2261, 9S2281, and 9S2283 involve cold recycling and Projects 2V2211, 2V2221, 2V2231, 360442, 360458, 401447, 403195, 403373, 406362, 406364, 425100, 435000, 441409, 448806, 6V2222, 6V2253, 7V2211, 7V2213, 7V2221, 7V2223, 7V2226, 7V2254, 9S2251, and 9S2271 involve heater scarification through separate contractor(s). These VPP overlay projects require that the paving contractor coordinates their work with the corresponding cold recycling/ heater scarification contractor to allow required curing period before placing the WMA overlay as well as to minimize disruption to the traveling public and the time traffic is running over a recycled surface.

2.4 Special Note – PG Binder and Mix Design Level

2.4.1 PG 64S-22

Requirements of this note apply to all Section 404 Asphalt (WMA) items in this contract as outlined in Section *Superpave Warm Mix Asphalt Design Criteria* table.

PG Binder

Use a **PG 64S-22** (Standard) meeting the requirements of AASHTO M 332, *Standard Specification for Performance Graded Asphalt Binder using Multiple Stress Creep Recovery (MSCR)*, for the production of warm mix asphalt mixtures for this project.

Terminal Blend Crumb Rubber modifier may be used for this PG binder. When terminal blend CRM PG binder is used, the following shall apply:

SECTION 2: PROJECTS - SPECIAL NOTES (ALL NYSDOT REGIONS)

2.4 Special Note – PG Binder and Mix Design Level (Cont'd)

2.4.1 PG 64S-22 (Cont'd)

- Crumb rubber particles shall be finer than #30 sieve size.
- The CRM PG binder shall be storage-stable and homogeneous.
- The Dynamic Shear Rheometer (DSR) shall be set at 2-mm gap.
- The CRM PG binder shall be 99% free of particles retained on the 600 µm sieve as tested in accordance with Section 5.4 of M 332.

Use of polyphosphoric acid (PPA) to modify the PG binder properties is prohibited for mixtures under this contract. This prohibition also applies to the use of PPA as a cross-linking agent for polymer modification.

Mix Design

The mixture designs must be developed in accordance with the criteria specified in the WMA items that are appropriate for an Estimated Traffic Level as noted in Section *Superpave Warm Mix Asphalt Design Criteria* table.

Note: The PG binder for this project may be modified with CRM additives to meet the requirements stated above. Handling of the WMA shall be discussed at the pre-paving meetings.

2.4.2 PG 64V-22

Requirements of this note apply to all Section 402 and Section 404 Asphalt (WMA) items in this contract as outlined in Section *Superpave War Mix Asphalt Design Criteria* table.

PG Binder

Use polymer or Terminal Blend Crumb Rubber modified **PG 64V-22** (Very High) meeting the requirements of AASHTO M 332, *Standard Specification for Performance Graded Asphalt Binder using Multiple Stress Creep Recovery (MSCR)*, for the production of warm mix asphalt mixtures for this project. In addition, the binder grade must also meet the **elastomeric** properties as indicated by one of the following equations for %R_{3.2}:

1. For $J_{nr3.2} \geq 0.1$, $\%R_{3.2} > 29.371 * J_{nr3.2}^{-0.2633}$
2. For $J_{nr3.2} < 0.1$, $\%R_{3.2} > 55$

Where: R_{3.2} is % recovery at 3.2 kPa

J_{nr 3.2} is the average non-recoverable creep compliance at 3.2 kPa.

When terminal blend CRM PG binder is used, the following shall apply:

- Crumb rubber particles shall be finer than #30 sieve size.
- The CRM PG binder shall be storage-stable and homogeneous.
- The Dynamic Shear Rheometer (DSR) shall be set at 2-mm gap.
- The CRM PG binder shall be 99% free of particles retained on the 600 µm sieve as tested in accordance with Section 5.4 of M 332.

Use of polyphosphoric acid (PPA) to modify the PG binder properties is prohibited for mixtures under this contract. This prohibition also applies to the use of PPA as a cross-linking agent for polymer modification.

SECTION 2: PROJECTS - SPECIAL NOTES (ALL NYSDOT REGIONS)

2.4 Special Note – PG Binder and Mix Design Level (Cont'd)

2.4.2 PG 64V-22 (Cont'd)

Mix Design

The mixture designs must be developed in accordance with the criteria specified in the WMA items that are appropriate for an Estimated Traffic Level as noted in Section *Superpave Warm Mix Asphalt Design Criteria* table.

Note: The PG binder for this project will be modified with polymer or CRM additives to meet the requirements stated above. Handling of the WMA shall be discussed at the pre-paving meetings.

2.4.3 PG 64H-22

Requirements of this note apply to all Section 404 Asphalt (WMA) items in this contract as outlined in Section *Superpave Warm Mix Asphalt Design Criteria* table.

PG Binder

Use a **PG 64H-22** (High) meeting the requirements of AASHTO M 332, *Standard Specification for Performance Graded Asphalt Binder using Multiple Stress Creep Recovery (MSCR)*, for the production of warm mix asphalt mixtures for this project. Terminal Blend Crumb Rubber modifier may be used for this PG binder.

When terminal blend CRM PG binder is used, the following shall apply:

- Crumb rubber particles shall be finer than #30 sieve size.
- The CRM PG binder shall be storage-stable and homogeneous.
- The Dynamic Shear Rheometer (DSR) shall be set at 2-mm gap.
- The CRM PG binder shall be 99% free of particles retained on the 600 µm sieve as tested in accordance with Section 5.4 of M 332.

Use of poly-phosphoric acid (PPA) to modify the PG binder properties is prohibited for mixtures containing limestone, limestone as an aggregate blend component, limestone as a constituent in crushed gravel aggregate, or recycled asphalt pavement (RAP) that includes any limestone. This prohibition also applies to the use of PPA as a cross-linking agent for polymer modification.

Mix Design

The mixture designs must be developed in accordance with the criteria specified in the WMA items that are appropriate for an Estimated Traffic Level as noted in Section *Superpave Warm Mix Asphalt Design Criteria* table.

Note: The PG binder for this project may be modified with CRM additives to meet the requirements stated above. Handling of the WMA shall be discussed at the pre-paving meetings.

2.4.4 PG 64E-22

Requirements of this note apply to all Section 404 Asphalt (WMA) items in this contract as outlined in Section *Superpave Warm Mix Asphalt Design Criteria* table.

SECTION 2: PROJECTS - SPECIAL NOTES (ALL NYSDOT REGIONS)

2.4 Special Note – PG Binder and Mix Design Level (Cont'd)

2.4.4 PG 64E-22 (Cont'd)

PG Binder

Use polymer or Terminal Blend Crumb Rubber modified **PG 64E-22** (Extreme) meeting the requirements of AASHTO M 332, *Standard Specification for Performance Graded Asphalt Binder using Multiple Stress Creep Recovery (MSCR)*, for the production of warm mix asphalt mixtures for this project. In addition, the binder grade must also meet the **elastomeric** properties as indicated by one of the following equations for %R_{3.2}:

1. For $J_{nr3.2} \geq 0.1$, $\%R_{3.2} > 29.371 * J_{nr3.2}^{-0.2633}$

2. For $J_{nr3.2} < 0.1$, $\%R_{3.2} > 55$

Where: R_{3.2} is % recovery at 3.2 kPa

J_{nr 3.2} is the average non-recoverable creep compliance at 3.2 kPa.

When terminal blend CRM PG binder is used, the following shall apply:

- Crumb rubber particles shall be finer than #30 sieve size.
- The CRM PG binder shall be storage-stable and homogeneous.
- The Dynamic Shear Rheometer (DSR) shall be set at 2-mm gap.
- The CRM PG binder shall be 99% free of particles retained on the 600 µm sieve as tested in accordance with Section 5.4 of M 332.

Use of poly-phosphoric acid (PPA) to modify the PG binder properties is prohibited for mixtures containing limestone, limestone as an aggregate blend component, limestone as a constituent in crushed gravel aggregate, or recycled asphalt pavement (RAP) that includes any limestone. This prohibition also applies to the use of PPA as a cross-linking agent for polymer modification.

Mix Design

The mixture designs must be developed in accordance with the criteria specified in the WMA items that are appropriate for an Estimated Traffic Level as noted in Section *Superpave Warm Mix Asphalt Design Criteria* table.

Note: The PG binder for this project will be modified with polymer or CRM additives to meet the requirements stated above. Handling of the WMA shall be discussed at the pre-paving meeting.

SECTION 2: PROJECTS - SPECIAL NOTES (ALL NYSDOT REGIONS)

2.5 Special Note - Railroad Involvement in Federal Funded Projects

Bidders are advised that there may be active at-grade railroad crossings within the limits of projects in this Invitation for Bids. The following at-grade railroad crossings have been identified, but there may be others within the limits of these projects that have not been identified:

PROJECT NUMBER	COUNTY	ROUTE	RAILROAD NAME	LOCATION
360443	Onondaga	31	CSX	RM 31 3309 1219
360449	Cortland	41 11	NYS&W	RM 41-3203-3022 RM 11-3202-3003
360453	Cortland	221	NYS&W	RM 221-3201-1113
5V2214	Cattaraugus	62	Owner – Cattaraugus County IDA Operator – New York & Lake Erie Railroad (NYLE)	RM 62 5102 1136
5V2242	Erie	62	Owner – Erie County IDA Operator – Buffalo Southern Railroad	Near Wheater Road
5V2258	Niagara	425 (950H)	CSX	Erie Ave./Wheatfield St.
7V2245	Lewis	812	Parent Company - Genesee Valley Transportation Co. Owner - Lewis County IDA	RM 812 7401 1034

At the identified at-grade crossings, and any other active at grade railroad crossings encountered on the projects in this Invitation for Bids, the contractor shall conduct its work and handle the equipment such that no part of any material or equipment shall foul a track, catenary, electrical facility or signal facility. A track is fouled when any object is brought within 7.62 M (25') of the centerline of the track or the nearest point of a railroad's catenary, electrical facility or signal facility.

SECTION 2: PROJECTS - SPECIAL NOTES (ALL NYSDOT REGIONS)

2.6 Special Note - Railroad Involvement in 100% State Funded Projects

Bidders are advised that there may be active at grade railroad crossings within the limits of projects in this Invitation for Bids. The following at grade railroad crossings have been identified, but there may be others within the limits of these projects that have not been identified:

PROJECT NUMBER	COUNTY	ROUTE	RAILROAD NAME	LOCATION
1V2251	Saratoga	32	Canadian Pacific Rail	RM 32-1505-3272
1V2252	Saratoga	9N	Town of Corinth	RM 9N-1501-2115
448806	Ontario	488	Finger Lakes Railway,	RM 488 4401 2023.4
406364	Orleans	31/63	Falls Road Railroad	South of Intersection with 31/63 RM 31 4502 1045.7
425312	Monroe	253	Livonia, Avon, and Lakeville Railroad	RM 253 4301 1033
5V2217	Cattaraugus	322	Owner – Cattaraugus County IDA Operator – New York & Lake Erie Railroad (NYLE)	Near Pine St./Railroad St. intersection
5V2222	Chautauqua	76	Norfolk Southern CSX	Near Mechanic St. Near Mechanic St.
5V2229	Chautauqua	394	Norfolk Southern CSX	Near English St. Near English St.
5V2232	Erie	325	CSX	Kenmore Ave.
6V2246	Steuben	415	Bath and Hammondsport Railroad	RM 15 6401 1425
7V2262	Jefferson	12	CSX Transportation, Inc.	RM 12 7306 2999.9

At the identified at grade crossings, and any other active at grade railroad crossings encountered on the projects in this Invitation for Bids, the contractor shall coordinate with the corresponding railroad as per follows:

Coordination with Railroad(s)

The Contractor shall note that this project may require close coordination with a railroad and railroad protective flagging services.

Description

The Contractor shall conduct its work and handle its equipment such that no part of any material or equipment shall foul a track, catenary, electrical facility or signal facility without written permission from the chief engineer of the railroad company(s) affected. A track is fouled when any object is brought within 7.62 M (25') of the centerline of the track or the nearest point of a railroad's catenary, electrical facility or signal facility.

SECTION 2: PROJECTS - SPECIAL NOTES (ALL NYSDOT REGIONS)

2.6 Special Note - Railroad Involvement in 100% State Funded Projects (Cont'd)

Construction Details

In the event the Contractor's work does foul a railroad facility the Contractor shall obtain a permit in order to enter railroad property and to cover the costs of the railroad's force account services.

The Contractor will not be allowed to enter onto the railroad's property to perform contract work, nor will the railroad provide services occasioned by the Contractor's operations unless the Contractor notifies the railroad and receives the railroad's prior approval. A railroad will not provide any services necessitated by the Contractor's operations until the permit is obtained.

These railroad's costs will include but may not be limited to costs incurred by the railroad to provide flaggers, spotters, engineering services, administrative services, construction inspection, or other labor, material or equipment necessary to provide a safe environment for both the Contractor's and railroad's forces.

The Contractor is advised that a railroad may not be able to provide flag persons on a daily basis due to the railroad's operational necessities. The Contractor shall coordinate and schedule his construction activities with the railroad's engineer no later than two weeks prior to the start of the work, in consultation with the State's Engineer-in-Charge, so that a workable schedule can be formulated and agreed upon. In addition to the above, the Contractor shall also comply with the current Standard Specifications §105-09 WORK AFFECTING RAILROADS.

Basis of Payment

All costs incurred by the contractor to comply with the requirements in this Special Note shall be included in the price bid per ton of bituminous concrete. No extra payment shall be made.

2.7 Special Note – Asphalt Pavement Joint Adhesive

The vendor shall apply Asphalt Pavement Joint Adhesive to all longitudinal and transverse construction joints including any curb and gutter faces prior to placing asphalt mixture in order to provide bonding with newly laid pavement. Joint adhesive shall be placed in accordance with the NYSDOT Standard Specifications. Care shall be taken to avoid damage to passing traffic. All damage to passing traffic caused by the vendor's operations shall be the vendor's responsibility.

All cost for Asphalt Pavement Joint Adhesive shall be included in the prices per ton of bituminous concrete. No separate payment shall be made.

2.8 WMA Mixture Evaluation Using Performance Testing

This note shall apply to the sites listed below.

- Project 2V2211**
- Project 2V2221**
- Project 2V2231**
- Project 2V2241**
- Project 2V2261**
- Project 425900**
- Project 6V2254**
- Project 7V2212**
- Project 9S2221**
- Project 9S2241**
- Project 9S2271**
- Project 9S2281**

SECTION 2: PROJECTS - SPECIAL NOTES (ALL NYSDOT REGIONS)

2.8 WMA Mixture Evaluation Using Performance Testing (Cont'd)

PERFORMANCE ENGINEERED MIXTURES (PEM) EVALUATION USING PERFORMANCE TESTING.

Description

This note covers the requirements of Performance Engineered mixes (PEM) for Hot Mix Asphalt (HMA) or Warm Mix Asphalt (WMA) for Top Course mixtures. The requirements are mixture design, verification, and production under a performance testing process. All provisions of Sections 401 Asphalt Production of the NYS Standard Specifications apply except as modified below.

Mixture Design Process

HMA mixtures shall be designed to meet the requirements of New York State Materials Method 5.16, *Hot Mix Asphalt (HMA) Mixture Design and Mixture Verification Procedures*. Mixture should meet or exceed the performance testing requirements specified in Table 1, unless waived by the Regional Materials Engineer.

TABLE 1 – PERFORMANCE TESTING CRITERIA			
TEST METHODS	CRITERIA	MIN. DESIGN VALUE	MAX. COV
AASHTO T 393-21 Flexibility Index Test	Flexibility Index	8	≤40
ASTM D6931-17 Indirect Tensile Strength Test	IDT Strength	30 psi	≤40
ASTM D8225-19 Determination of CT Index	CT Index	135	≤40

In no case shall the job mix tolerance fall outside the Control Points of the control sieves.

Sample Fabrication & Testing

1. **Producer** – The Producer shall do the following:
 - a. Fabricate two sets of samples under the methods provided in Table 2 - *Performance Testing Criteria*.
 - b. Test one set and submit the second set of samples to the Regional Materials Lab.
 - c. Submit sufficient plant-produced mixture to the Regional Materials Lab for fabrication of a third set of samples for performance testing.
 - d. **Additional Cross-Lab Testing:** RME may request additional loose mixture for further testing. The RML will fabricate samples for additional testing, to be done by the Producer Lab.
The PEM mixture design, the plant-produced mixture, and the second set of samples shall be submitted to the Regional Materials Lab no less than 14 days prior to production. The Producer may supply raw material in place of plant-produced mixture, with the concurrence of the RME.

SECTION 2: PROJECTS - SPECIAL NOTES (ALL NYSDOT REGIONS)

2.8 WMA Mixture Evaluation Using Performance Testing (Cont'd)

2. **Regional Materials Lab (RML)** – The RML will do the following:
 - a. Fabricate samples under the methods provided in Table 2 for performance testing using the plant produced mixture supplied by the Producer.
 - b. Test the fabricated samples and the Producer fabricated second set samples to determine if they meet the performance criteria referenced in Table 1.
 - c. **Additional Cross-Lab Testing:** The RME may elect to fabricate additional samples for cross-lab testing by the Producer.
The Regional Materials Engineer (RME) may request raw aggregate and liquid asphalt binder as a substitute to plant-produced mixture.

TABLE 2 – SUMMARY OF TESTING CRITERIA FOR PERFORMANCE ENGINEERED MIXTURES (PEM)

AT THE PLANT		HIGH TEMPERATURE IDT	IDEAL CT INDEX	SCB FLEXIBILITY INDEX
Test Method		ASTM D6931-17 NCHRP 9-33 Report	ASTM D8225-19	AASHTO T 393-21
No. of Samples		3	3	3
Load Rate (mm/min)		50±5	50±2	50±2
Height (mm)		80±5	<= 19 mm NAS = 62±1 >=25 mm NAS = 95±1	50±1
Notch Width (mm)		NA	NA	<2.25
Aging	Lab mixed	2 hours loose mix volumetric Conditioning at Compaction Temperature	4 hours loose mix conditioning at Compaction Temperature	4 hours loose mix conditioning at Compaction Temperature.
	Plant mixed	Reheat loose mix to Compaction Temperature and Compact Specimens	Reheat loose mix to Compaction Temperature and Compact Specimens	Reheat loose mix to Compaction Temperature and Compact Specimens
HMA Compaction Temperature, °C		V Grade = 149°C ± 3°C E Grade = 163°C ± 3°C	V Grade = 149°C ± 3°C E Grade = 163°C ± 3°C	V Grade = 149°C ± 3°C E Grade = 163°C ± 3°C
WMA Compaction Temperature, °C		V Grade = 132°C ± 3°C E Grade = 146°C ± 3°C	V Grade = 132°C ± 3°C E Grade = 146°C ± 3°C	V Grade = 132°C ± 3°C E Grade = 146°C ± 3°C
Air Voids, %		7 ± 1	7 ± 0.5	7 ± 1
Test Temperature, °C		44°C ± 1.0	25°C ± 1.0	25°C ± 1.0
Water Bath Conditioning		44°C for 2 hrs ± 10 min.	25°C for 2 hrs ± 10 min.	25°C for 2 hrs ± 10 min

SECTION 2: PROJECTS - SPECIAL NOTES (ALL NYSDOT REGIONS)

2.8 WMA Mixture Evaluation Using Performance Testing (Cont'd)

Acceptance of the Design

The RME will calculate the average and standard deviation of all representative samples tested by the Producer and the RML. The RME will determine the Coefficient of Variation for each criterion listed in Table 1. The RML will calculate the Coefficient of Variation (COV) using the following formula:

$$\text{COV} = \frac{\text{Standard Deviation of Criteria (FI, IDT, CT Index)}}{\text{Average Criteria Value}} * 100$$

The Regional Materials Engineer (RME) will assign PEM Production Status and accept the design for use when the mix design satisfies the performance criteria covered in Table 1. If the design value and the COV for any criterion does not meet the value specified, the RME shall consult the Materials Bureau to determine if the mixture design should be allowed for use. The determination will be based on the previous performance of the similar volumetric mixture design.

Modification to the gradation targets or binder content will not be permitted after design acceptance.

Mixture Production

The Producer shall perform Quality Control of the mixture in accordance with MP 401, *Quality Control and Quality Assurance Procedure for Hot Mix Asphalt (HMA) Production*. The Department will perform Quality Assurance consisting of paver sampling and review of Producer's control charts. Plant Quality Adjustment Factor (QAF) does not apply. The RME and the Producer will decide on the Cracking Test they will both be completing in production. They will decide between the CT Index Test and the Semi-Circular Bending Test.

Quality Control Process

The Department's Quality Assurance Technician (QAT) may be present at the HMA plant during production at the discretion of the RME. The QAT will not be responsible for any activities at the production facility.

The results of all tests outlined in Table 3 shall be recorded by the Producer on the control charts daily during production and used to identify any changes in the mixture production. The Control Chart templates will be provided by the Department upon request. Sampled material for performance testing shall either be allowed to cool to room temperature before preparation for compaction; or, sampled material shall be conditioned at Compaction Temperature for 2 hours prior to compaction.

SECTION 2: PROJECTS - SPECIAL NOTES (ALL NYSDOT REGIONS)

2.8 WMA Mixture Evaluation Using Performance Testing (Cont'd)

TABLE 3 – PRODUCTION TESTING AND SAMPLING TABLE			
PLANT TEST PROPERTY	TEST METHOD	PRODUCER TESTING FREQUENCY	DEPARTMENT TESTING FREQUENCY
PG Binder Content	Automation, Ignition Oven (NY 400-13C), or AASHTO T 164 Method A or B	One per subplot	One per Day (enough material for two tests)
Aggregate Gradation	AASHTO T27	One per Sublot	One per Day (enough material for two tests)
Air Voids	MM 5.16, AASHTO T269	One per 3 Lots	One per 3 Days
Indirect Tensile Strength	ASTM D6931-17	One per 3 Lots	One per 3 Days
Determination of CT Index OR ³	ASTM D8225-19	One per 3 Lots	One per 3 Days
SCB Flexibility Test OR ³	AASHTO T 393-21	One per 3 Lots	One per 3 Days

1. All sampling at the plant
2. All sampling at the paver
3. Shall be agreed to by RME and Producer

Material sampling points for Quality Control activities shall be at the discretion of the Contractor, within the provided ranges. Sampling points shall be identified on all control charts. All other testing covered under MP 401, but not addressed in Table 3, is required but will not be included on the control charts.

Quality Assurance

The RME, or their representative, will sample the mixture at the paver under NYS Method MP 402-03 or at the plant. The test results and sampling points will be recorded on RML Control Charts. The information from the control charts may be shared with the Producer.

For Producers, testing every 3 consecutive lots shall be considered a Test Cycle. For each full or partial Test Cycle, all testing in Table 3 shall be required over the course of that production. Only lots that consist of mainline paving with 500 tons or more will be included in a Test Cycle. When the Producer supplies between 150 and 500 tons, the Producer shall test Aggregate Gradations and PG Binder Content. Additionally, if the Producer supplies between 150 and 500 tons for more than 2 consecutive Lots, the RME will count those as 1 Lot of the Test Cycle.

SECTION 2: PROJECTS - SPECIAL NOTES (ALL NYSDOT REGIONS)

2.8 WMA Mixture Evaluation Using Performance Testing (Cont'd)

Mixture Production

HMA Mixture requirements are as follows:

TABLE 4 – MIXTURE GRADATION, ABSOLUTE DIFFERENCE VALUE			
LIMITS (Test Value – JMF Value)	SIEVE SIZE		
	#50 and Larger (300 µm and Larger)	#100 (150 µm)	#200 (75 µm)
Production	0.0 – 5.0	0.0 – 4.0	0.0 – 2.0
Action	5.0 – 8.0	4.0 – 6.0	2.0 – 4.0
Evaluation	>8.0	>6.0	>4.0

Gradation Limits During Production

1. **QC Production Limits** – If the gradation absolute difference falls within the Production Limits as stated in Table 4 no corrective action is needed for gradation.
2. **QC Action Limit** - If the gradation absolute difference value falls within the Action Limits stated in Table 4 the Producer shall take corrective actions to bring the gradation back within the production limits. If test results for two consecutive sublots fall within the action limits, the production shall be immediately terminated and shall not resume until the Regional Materials Engineer is satisfied with the actions taken.
3. **QA Evaluation/Rejection Limit** - If the gradation absolute difference value falls outside the Evaluation Limits stated in Table 4 for any Department paver sample, the following will apply:

The RML will fabricate samples according to AASHTO T-312 with material sampled at the paver. If paver samples are not available, pavement cores will be required. These samples/cores will be tested and evaluated by the RME against the performance criteria in Table 1. These performance results are for information only.

The RME will evaluate the subject material to determine if it will be left in place. The RME may require the Contractor to core the pavement at no additional cost to the State. When cores are required, the Engineer will divide the pavement area being evaluated into 4 sublots in accordance with the requirements of §402-3.08, *Pavement Density Samples*. The material will be left in-place when all the following conditions are met:

- The pavement section achieved field density greater than or equal to 93% of MMTD.
- There are no defects such as, but not limited to, cracking, raveling, rutting, shoving, or bleeding, and the asphalt content, based on automation, is within +/- 0.2% of production target.
- The average of all the QA gradation samples tested is within the general limits
- The % aggregate friction meets the requirements for the item specified in the project.

SECTION 2: PROJECTS - SPECIAL NOTES (ALL NYSDOT REGIONS)

2.8 WMA Mixture Evaluation Using Performance Testing (Cont'd)

If the material does not meet the above conditions the RME will determine if the material in question may remain in-place considering, but not limited to, the following:

- Type of material produced.
- The layer in which the material was placed.
- The location and traffic volume.
- Laboratory test results.
- Field test results, such as density.

If the subject material is left in-place, it will be paid in full at bid price. If it is determined the subject material will not be left in-place, the Contractor shall remove and replace the material at no additional cost to the Department.

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.1 Holiday Restrictions – Region 1 Projects

All Region 1 Projects shall follow the holiday restrictions listed below:

There shall be no temporary lane closures permitted on the following dates:

- 6:00 am Friday, May 27, 2022 thru 6:00 am Tuesday, May 31, 2022 – (Memorial Day Holiday)
- 6:00 am Friday, July 1, 2022 thru 6:00 am Tuesday, July 5, 2022 – (July 4th Holiday)
- 6:00 am Friday, September 2, 2022 thru 6:00 am Tuesday, September 6, 2022 – (Labor Day Holiday)
- 6:00 am Wednesday, November 23, 2022 thru 6:00 am Tuesday, November 29, 2022 – (Thanksgiving Holiday)

3.2 Pilot Vehicle – Region 1 Projects

Unless otherwise specified, the highway shall be kept open to traffic at all times. Traffic shall be discontinued on the lanes where work is being performed on these projects; and as soon as paving is done and rolled, controlled traffic may be permitted thereon. For Region 1 projects in this Invitation for Bids, the Contractors shall provide sufficient two-way radio equipped pilot vehicles to guide traffic around paving work at a speed not to exceed 15 mph. The pilot vehicles shall be equipped with construction signs meeting the requirements of Section 6F.58 of the Manual of Uniform Traffic Control Devices and a rotating amber beacon:

SIGN	MINIMUM SIZE	LOCATION
PILOT VEHICLE FOLLOW ME	G20-4 CONVENTIONAL 36"x 18"	ON BACK OF PILOT VEHICLES

The pilot vehicle shall have the name of the Contractor prominently displayed.

All cost for Work Zone Traffic Control including flagging, temporary pavement markings, channelizing devices, construction signs, and pilot vehicles shall be included in the prices per ton of bituminous concrete. No separate payment shall be made. **The use of the pilot shall be as ordered by the Resident Engineer.**

3.3 Paving Operations – Region 1 Projects

Paving operations shall progress in the opposite direction of traffic when paving on Cold Recycled roadways. This provision may only be waived by the Region 1 Materials Engineer, and this waiver will be rescinded if damage to the top course occurs.

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.4 Moisture Susceptibility Testing – Region 1 Projects

Any WMA mix design where the primary aggregate component by weight is granite or crushed gravel will be subject to moisture susceptibility testing by the producer during design, unless this requirement is waived by the RME. TSR testing may be required by the RME when there is a change to the asphalt binder source.

Moisture susceptibility will be determined by calculating the tensile strength ratio (TSR) of each specimen according to AASHTO T 283, Resistance of Compacted Asphalt Mixtures to Moisture-Induced Damage, except as modified in Section VI.D. of NYSDOT Materials Method 5.16.

If the TSR of the WMA gyratory specimens is less than 80%, as required in AASHTO M 323, corrective action is required. Corrective action to improve the moisture susceptibility of the WMA mixture can include the use of anti-strip additives or blending of other aggregate materials to reduce the proportion of granite or gravel aggregates in the mix. When corrective action is necessary, any changes made to the design must be noted on the JMF, and all other volumetric and mechanical properties must be evaluated for compliance with NYSDOT Materials Method 5.16 using a one-point design. The results must be reported to the RME prior to production.

3.5 Paving Markings – Region 1 Projects

It shall be the Contractor's responsibility to inventory and document the existing pavement marking patterns prior to milling and/or resurfacing and submit to the Engineer a copy of the inventory prior to beginning work. The Contractor shall be responsible for completing all layout work necessary for the installation of all final pavement markings. If the original markings are obliterated, the contractor shall contact the Resident Engineer for guidance on their location.

3.6 Non-Vibratory Rolling – Region 1 Projects

Contractor shall use non-vibratory rolling over any bridge structure, large culvert or known utility within the project limits or as ordered by the engineer in charge.

3.7 WMA Pavers – Spreading and Finishing Requirement

The Contractor shall provide a paver(s) capable of spreading and finishing courses of WMA plant mix material in lane widths, shoulders, or similar construction applicable to the specified typical section and thicknesses shown on the plans. In addition, the speed of the paver must remain constant to ensure a uniform thickness of the course (mat) being placed. The speed of the paver must match the production rate of the WMA plant, proposed WMA rollers and to the thickness and width of the course (mat) being placed. The **MAXIMUM PAVER SPEED allowed will be 35 feet per minute.**

Note: The Contractor should be prepared to discuss, at the Pre-Pave Meeting, the maximum paver speed for the project based on the plant production rate, rollers(s) speed and course (mat) thickness being placed.

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.8 Project 1V2211 – Albany County

Site Specific Lane Closure Restrictions:

- None

Item **404.058901 (Shim Course)** is being utilized at an average thickness of ½”. Region 1 is requiring the use of either:

- 6.3 WMA mix meeting the requirements of 404.068301, but meeting F9 Friction requirements, and PG 64S-22 may be utilized in lieu of PG 64V-22. (This applies only as a substitution to Item 404.058901 for this contract only).
- Misc. Patching HMA mix meeting the requirements of Item 402.03890218 included in the currently active OGS centralized contract Group 31502, Award 23218 - Comprehensive Bituminous Concrete (Hot Mix Asphalt and Cold Patch) (Statewide).

The following intersections shall be paved approximately 50 feet from the edge of the mainline in each direction:

LOCATION	ROADWAY WIDTH
Sand Road (West)	15
Sand Road (East)	15
Prim Lane	15
Stranahan Lane	15
Yamchuk Lane	15
Francis Road	15
Rock Road	24
Pleasant Valley Road	26
Becker Road	18
CR 255 (South)	25
CR 255 (North)	25
Zimmer Road	20
Town Hall Road	18
Knox Cave Road (East)	24
Knox Cave Road (West)	24

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.9 Project 1V2212 – Albany County

Site Specific Lane Closure Restrictions:

- There shall be no temporary lane closures permitted between Thursday July 7, 2022 and Monday, July 11, 2022 (Capital Region Road Race).

Item **404.058901 (Shim Course)** is being utilized at an average thickness of a ½”. Region 1 is requiring the use of either:

- 6.3 WMA mix meeting the requirements of 404.068301, but meeting F9 Friction requirements, and PG 64S-22 may be utilized in lieu of PG 64V-22. (This applies only as a substitution to Item 404.058901 for this contract only).
- Misc. Patching HMA mix meeting the requirements of Item 402.03890218 included in the currently active OGS centralized contract Group 31502, Award 23218 - Comprehensive Bituminous Concrete (Hot Mix Asphalt and Cold Patch) (Statewide).

Shoulder widths vary from 1’ to 6’. Quantities for **404.058901 (Shim Course)** and **404.096201 (Top Course)** include material to pave 2,664 feet of gutter.

The following intersections shall be paved approximately 50 feet from the edge of the mainline in each direction:

LOCATION	ROADWAY WIDTH
Route 143	35
Old Indian Fields Road (South)	22
Old Indian Fields Road (North)	22
Lawson Lake Road	28
Copeland Hill Road	28
Weisenborn Road	20
Lower Copeland Hill Road	18
Cedar Grove Road	28
Tarrytown Road	28
Onesquethaw Creek Road (South)	24
Lower Flat Rock Road	30
Winne Road	20
Lagrange Road	25
Rowe Road	22
Onesquethaw Creek Road (North)	22
Western Avenue	20
New Scotland Avenue	25
Old Quarry Road	30
Railroad Avenue	25
West Yard Road	30

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.9 Project 1V2212 – Albany County (Cont'd)

Centerline Audible Roadway Delineators, (CARDS)

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 1070 to 1138 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649.04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the WMA items. No separate payment will be made. The contractor will have to coordinate the timing of the CARD installation with the centerline striping by state forces.

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.10 Project 1V2221 – Essex County

Site Specific Lane Closure Restrictions:

- None

Item **404.058901 (Shim Course)** is being utilized at an average thickness of ½". Region 1 is requiring the use of either:

- 6.3 WMA mix meeting the requirements of 404.068301, but meeting F9 Friction requirements, and PG 64S-22 may be utilized in lieu of PG 64V-22. (This applies only as a substitution to Item 404.058901 for this contract only).
- Misc. Patching HMA mix meeting the requirements of Item 402.03890218 included in the currently active OGS centralized contract Group 31502, Award 23218 - Comprehensive Bituminous Concrete (Hot Mix Asphalt and Cold Patch) (Statewide).

The following **intersections** shall be paved approximately 20 feet from the edge of the mainline in each direction:

LOCATION	ROADWAY WIDTH
RM 1292 Scriver Lane	50

There are 4,800 feet of **paved gutters** along this section of road. The contractor shall re-pave these gutters at a width of 4 feet wide. The price for re-paving these gutters shall be included in the bid price for the top course HMA item. The contract quantity includes the additional tonnage for the gutters.

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.11 Project 1V2222 – Essex County

Item 404.058901 (Shim Course) is being utilized at an average thickness of ½”. Region 1 is requiring the use of either:

- 6.3 WMA mix meeting the requirements of 404.068301, but meeting F9 Friction requirements, and PG 64S-22 may be utilized in lieu of PG 64V-22. (This applies only as a substitution to Item 404.058901 for this contract only).
- Misc. Patching HMA mix meeting the requirements of Item 402.03890218 included in the currently active OGS centralized contract Group 31502, Award 23218 - Comprehensive Bituminous Concrete (Hot Mix Asphalt and Cold Patch) (Statewide).

The following intersections shall be paved approximately 20 feet from the edge of the mainline in each direction:

LOCATION	ROADWAY WIDTH
RM 1364 CR 8	70
RM 1365 Maple Way	40
RM 1369 Forge Lane	50
RM 1382 Cutting Road	50
RM 1382 Essex DPW Drive	50
RM 1386 Steele Woods Road	50
RM 1387 Ray Woods Road	50
RM 1389 Essex County Landfill	50
RM 1394 Hillman Road	50
RM 1406 Fox Run Road	50
RM 1406 Lewis-Wadhams Road	50
RM 1407 Fire House Lane	50
RM 1409 Osawentha Drive	50
RM 1413 Wells Hill Road	50
RM 1413 Stowerville Road	50

There are 1,300 feet of **paved gutters** along this section of road. The contractor shall re-pave these gutters at a width of 4 feet wide. The price for re-paving these gutters shall be included in the bid price for the top course HMA item. The contract quantity includes the additional tonnage for the gutters.

Centerline Audible Roadway Delineators, (CARDS)

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 1365 (Maple Way) to 1406 (Fox Run Road) in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649.04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the WMA items. No separate payment will be made. The contractor will have to coordinate the timing of the CARD installation with the centerline striping by state forces.

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.12 Project 1V2223 – Essex County

Item **404.058901 (Shim Course)** is being utilized at an average thickness of ½”. Region 1 is requiring the use of either:

- 6.3 WMA mix meeting the requirements of 404.068301, but meeting F9 Friction requirements, and PG 64S-22 may be utilized in lieu of PG 64V-22. (This applies only as a substitution to Item 404.058901 for this contract only).
- Misc. Patching HMA mix meeting the requirements of Item 402.03890218 included in the currently active OGS centralized contract Group 31502, Award 23218 - Comprehensive Bituminous Concrete (Hot Mix Asphalt and Cold Patch) (Statewide).

The following intersections shall be paved approximately 20 feet from the edge of the mainline in each direction:

LOCATION	ROADWAY WIDTH
RM 1329 Sam Spear Road	50
RM 1343 Fitzgerald Road	50
RM 1351 Youngs Road	50
RM 1352 I-87 On Ramp	50
RM 1352 I-87 Off Ramp	50
RM 1353 I-87 On Ramp	50
RM 1353I-87 Off Ramp	50
RM 1354 Boyle Road	50
RM 1354 Goff Road	50
RM 1357 Meigsville Road	50
RM 1369 DOT Driveway 1	50
RM 1369 DOT Driveway 2	50
RM 1382 Old Turnpike Road 1	50
RM 1385 Old Turnpike Road 2	50
RM 1391 Munsey Way	50
RM 1391 Lincoln Pond Road	50
RM 1393 Woodruff Lane	50

Centerline Audible Roadway Delineators, (CARDS)

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 1327 (Job Begin) to RM 1382 (Old Turnpike Road) in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649.04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the WMA items. No separate payment will be made. The contractor will have to coordinate the timing of the CARD installation with the centerline striping by state forces.

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.13 Project 1V2224 – Essex County

Item **404.058901 (Shim Course)** is being utilized at an average thickness of ½”. Region 1 is requiring the use of either:

- 6.3 WMA mix meeting the requirements of 404.068301, but meeting F9 Friction requirements, and PG 64S-22 may be utilized in lieu of PG 64V-22. (This applies only as a substitution to Item 404.058901 for this contract only).
- Misc. Patching HMA mix meeting the requirements of Item 402.03890218 included in the currently active OGS centralized contract Group 31502, Award 23218 - Comprehensive Bituminous Concrete (Hot Mix Asphalt and Cold Patch) (Statewide).

The following intersections shall be paved approximately 20 feet from the edge of the mainline in each direction:

LOCATION	ROADWAY WIDTH
RM 1404 Park Street	50
RM 1409 Water Street	50
RM 1412 Lord Road	50
RM 1412 Arthur Lane	50
RM 1421 Hurricane Mountain Lane	50
RM 1423 Crowningshield Lane	50
RM 1425 Scrabble Hollow Lane	50
RM 1428 Neumaier Lane	50
RM 1435 Darling Road	50
RM 1467 Hurricane Mountain Parking	150
RM 1479 Baxter Mountain Tavern Drive 1	50
RM 1479 Baxter Mountain Tavern Drive 2	50
RM 1481 Baxter Mountain Lane	50
RM 1482 Hurricane Road	50
RM 1498 Schaefer Road	50
RM 1501 Cemetery Lane	50
RM 1502 Slip Ramp	Pave entire 250 ft long by 30 ft wide ramp

There are 8,700 feet of **paved gutters** along this section of road. The contractor shall re-pave these gutters at a width of 6 feet wide. The price for re-paving these gutters shall be included in the bid price for the top course HMA item. The contract quantity includes the additional tonnage for the gutters.

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.14 Project 1V2231 – Greene County

Item **404.058901 (Shim Course)** is being utilized at an average thickness of 1/2". Region 1 is requiring the use of either:

- 6.3 WMA mix meeting the requirements of 404.068301, but meeting F9 Friction requirements, and PG 64S-22 may be utilized in lieu of PG 64V-22. (This applies only as a substitution to Item 404.058901 for this contract only).
- Misc. Patching HMA mix meeting the requirements of Item 402.03890218 included in the currently active OGS centralized contract Group 31502, Award 23218 - Comprehensive Bituminous Concrete (Hot Mix Asphalt and Cold Patch) (Statewide).

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.14 Project 1V2231 – Greene County (Cont'd)

The following intersections shall be paved approximately 50 feet from the edge of the mainline in each direction:

LOCATION	ROADWAY WIDTH
No. Lincoln Drive	65
Cornel Avenue	40
Katin Lane	50
B&B Driveway	100
Frank Hitchcock Road (East Side)	100
Frank Hitchcock Road (West Side)	65
Harring Drive	75
Forgione Road	65
Old Gas Station (2 Entrances)	70
Old State 145 (2 Legs)	45
Town of Cairo Highway Entrance	45
Roosevelt Avenue	65
West Moorehouse Road	45
Cairo/ Durham High School Entrance	80
Colewood Lane	45
Wachter Boulevard	45
Sunside Road	65
Freehold Ford Road	45
Bowery Creek Bridge Both Ends (2)at 40'	80
Jennings Road	45
McStine Road	45
St. Mary's Church 2 Entrances	130
CR 67A	65
Stone Bridge Extension	65
CR 20B	65
Golden Hill Road	65
Thorp Creek Bridge Both Ends (2)at 40'	80
Stone Bridge Road	60
Stone Bridge Extension	65
GSK Entrance	100
Elliot Place	65
Shady Glen Road	65
CR 27	100
Milk Run Entrance	65
Dollar General Entrance	65
Gilboa Drilling Entrance	45

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.14 Project 1V2231 – Greene County (Cont'd)

Cold Milling by the Paving Contractor and Coordination:

The project includes production cold milling to be performed by the VPP paving contractor or their designated sub-contractor within the project limits. The paving contractor will production mill the pavement on Route 145 from RM 1161 to RM 1171 through the hamlet of Durham on Route 145 - 1.0 CL miles. The production cold milling includes milling an estimated 20,000 square yards at a milling depth of 2.25". All milled surfaces will be shimmed prior to top course being placed.

The Paving contractor shall coordinate their paving schedule with their selected Production Cold Milling Contractor, such that the milled surface is not left open to traffic for a period longer than ten days. The contractor will be responsible to clean the milled area and keep the milled surface clean until paving. The contractor will also remove asphalt and clean around all DI's, manholes and valve boxes. The contractor shall provide the necessary work zones, work zone signage and clean-up effort, including sweeping of the milled surface during the milling operation. The contractor will be responsible for trucking and disposal of the milled materials. All disposal locations shall be approved by the Engineer prior to disposal. All disposal operations must be done in accordance with all Federal, State, and local rules and regulations. Material removed shall be disposed of in accordance with the provisions of section 107-10 of the Standard Specifications, or as ordered by the Engineer. The contractor shall provide temporary pavement markings on the milled surface in accordance with the requirements of Section 619.xx of the Standard Specifications. The costs shall be included in the bid prices for the VPP project. Production cold milling shall be included in the bid cost of the top course asphalt item.

The paving contractor shall be responsible for miscellaneous milling and paving of the side road intersections from the edge of the mainline shoulder treatment to the rebate termination on the side road at locations listed in the rebate table. Intersections shall be milled and paved a length of no more than 75 ft from the edge of the mainline shoulder treatment to the rebate termination location, nominal depth of 1.5" (as ordered by the Engineer in charge for project). The rebates shall be milled by the paving contractor in accordance with the rebate table of widths. The length of milling and paving of side road intersections will be included in the bid cost of the top course asphalt item.

Centerline Audible Roadway Delineators, (CARDS)

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 1107 to RM 1155, and RM 1175 to RM 1200 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649.04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the WMA items. No separate payment will be made. The contractor will have to coordinate the timing of the CARD installation with the centerline striping by state forces.

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.15 Project 1V2241 – Rensselaer County

Site Specific Lane Closure Restrictions:

- None

Item **404.058901 (Shim Course)** is being utilized at an average thickness of ½". Region 1 is requiring the use of either:

- 6.3 WMA mix meeting the requirements of 404.068301, but meeting F9 Friction requirements, and PG 64S-22 may be utilized in lieu of PG 64V-22. (This applies only as a substitution to Item 404.058901 for this contract only).
- Misc. Patching HMA mix meeting the requirements of Item 402.03890218 included in the currently active OGS centralized contract Group 31502, Award 23218 - Comprehensive Bituminous Concrete (Hot Mix Asphalt and Cold Patch) (Statewide).

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.15 Project 1V2241 – Rensselaer County (Cont'd)

The following intersections shall be paved approximately 30 feet or AOB from the edge of the mainline in each direction::

LOCATION	ROADWAY WIDTH
Moonlawn Road	30
Mark Street	25
Walter Road	45
Meadowview Drive	45
Hakes Road	45
White Church Road	45
Langmore Lane	45
Route 278	60
Route 351	40
Bulson Road	30
South Road	25
Blue Factory Hill Road	25
Brunswick Sportmans Club Road	30
Palitsch Road	60
Roark Road	40
Stuffle Street	25
Roark Road	40
CR 84	50
Jay Hakes Road	25
Jay Hakes Road	25
Mill Road	25
Bailey Road	25
Dunham Road	25
Horton Road	25
Horton Road	25
CR 84	50
State Park Way	20
Shaver Pond Road	30
State Park Way	25
Dumpleton Road	40
Dumpleton Road	40

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.15 Project 1V2241 – Rensselaer County (Cont'd)

Cold Milling by the Paving Contractor and Coordination:

The project includes production cold milling to be performed by the VPP paving contractor or their designated sub-contractor within the project limits. The paving contractor will production mill the pavement on Route 2 in the Hamlet of Grafton from RM 2127 + 250' +/- to RM 2130 – 250' +/- approximately 0.2 CL miles, end limits of the milling may be field adjusted by the engineer in charge. The production cold milling includes milling an estimated 3,520 square yards at a milling depth of 1.50".

The Paving contractor shall coordinate their paving schedule with their selected Production Cold Milling Contractor, such that the milled surface is not left open to traffic for a period longer than ten days. The contractor will be responsible to clean the milled area and keep the milled surface clean until paving. The contractor will also remove asphalt and clean around all DI's, manholes and valve boxes. The contractor shall provide the necessary work zones, work zone signage and clean-up effort, including sweeping of the milled surface during the milling operation. The contractor will be responsible for trucking and disposal of the milled materials. All disposal locations shall be approved by the Engineer prior to disposal. All disposal operations must be done in accordance with all Federal, State, and local rules and regulations. Material removed shall be disposed of in accordance with the provisions of section 107-10 of the Standard Specifications, or as ordered by the Engineer. The contractor shall provide temporary pavement markings on the milled surface in accordance with the requirements of Section 619.xx of the Standard Specifications. The costs shall be included in the bid prices for the VPP project. Production cold milling shall be included in the bid cost of the top course asphalt item.

Centerline Audible Roadway Delineators, (CARDS)

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 2032 to RM 2040, RM 2050 to RM 2069 and RM 2074 to RM 2115 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649.04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the WMA items. No separate payment will be made. The contractor will have to coordinate the timing of the CARD installation with the centerline striping by state forces.

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.16 Project 1V2242– Rensselaer County

Site Specific Lane Closure Restrictions:

- None

Item **404.058901 (Shim Course)** is being utilized at an average thickness of ½”. Region 1 is requiring the use of either:

- 6.3 WMA mix meeting the requirements of 404.068301, but meeting F9 Friction requirements, and PG 64S-22 may be utilized in lieu of PG 64V-22. (This applies only as a substitution to Item 404.058901 for this contract only).
- Misc. Patching HMA mix meeting the requirements of Item 402.03890218 included in the currently active OGS centralized contract Group 31502, Award 23218 - Comprehensive Bituminous Concrete (Hot Mix Asphalt and Cold Patch) (Statewide).

The following intersections shall be paved approximately 30 feet or AOB from the edge of the mainline in each direction::

LOCATION	ROADWAY WIDTH
Old Route 22	50

Centerline Audible Roadway Delineators, (CARDS)

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 1336 to RM 1341 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649.04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the WMA items. No separate payment will be made. The contractor will have to coordinate the timing of the CARD installation with the centerline striping by state forces.

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.17 Project 1V2243 – Rensselaer County

Site Specific Lane Closure Restrictions:

- None

Item **404.058901 (Shim Course)** is being utilized at an average thickness of ½”. Region 1 is requiring the use of either:

- 6.3 WMA mix meeting the requirements of 404.068301, but meeting F9 Friction requirements, and PG 64S-22 may be utilized in lieu of PG 64V-22. (This applies only as a substitution to Item 404.058901 for this contract only).
- Misc. Patching HMA mix meeting the requirements of Item 402.03890218 included in the currently active OGS centralized contract Group 31502, Award 23218 - Comprehensive Bituminous Concrete (Hot Mix Asphalt and Cold Patch) (Statewide).

The following intersections shall be paved approximately 30 feet or AOB from the edge of the mainline in each direction::

LOCATION	ROADWAY WIDTH
Webster Hill Road	35
CR 26	32
Tayer Road	40
Woodward Road	45
Tsatsawassa Road	25
Tsatsawassa Road	25
Hayes Road	35
Smith Hill Road	25
Dunham Hollow Road	30
Central Nassau Road	50
Gardner Hill Road	30
Uphams Corner Road	25
Radley Road	25
Pikes Pond Road	75
CR 20	25

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.18 Project 1V2244 – Rensselaer County

Site Specific Lane Closure Restrictions:

- None.

Item **404.058901 (Shim Course)** is being utilized at an average thickness of ½". Region 1 is requiring the use of either:

- 6.3 WMA mix meeting the requirements of 404.068301, but meeting F9 Friction requirements, and PG 64S-22 may be utilized in lieu of PG 64V-22. (This applies only as a substitution to Item 404.058901 for this contract only).
- Misc. Patching HMA mix meeting the requirements of Item 402.03890218 included in the currently active OGS centralized contract Group 31502, Award 23218 - Comprehensive Bituminous Concrete (Hot Mix Asphalt and Cold Patch) (Statewide).

The following intersections shall be paved approximately 30 feet or AOB from the edge of the mainline in each direction:

LOCATION	ROADWAY WIDTH
Best Luther Road	35
Best Luther Road	35
Miller Road	85
Collins Road	40
Chamberland Hill Road	32
Timberland Drive	30
Rolling Ridge Drive	40

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.19 Project 1V2251 – Saratoga County

Site Specific Lane Closure Restrictions:

- None

Item **404.058901 (Shim Course)** is being utilized at an average thickness of ½”. Region 1 is requiring the use of either:

- 6.3 WMA mix meeting the requirements of 404.068301, but meeting F9 Friction requirements, and PG 64S-22 may be utilized in lieu of PG 64V-22. (This applies only as a substitution to Item 404.058901 for this contract only).
- Misc. Patching HMA mix meeting the requirements of Item 402.03890218 included in the currently active OGS centralized contract Group 31502, Award 23218 - Comprehensive Bituminous Concrete (Hot Mix Asphalt and Cold Patch) (Statewide).

The following intersections shall be paved approximately 75 feet from the edge of the mainline in each direction:

LOCATION	ROADWAY WIDTH
Grange Hall Road	20
West River Road	27
King Road	28
Stonebridge Road	2@25
Winney Road	2@15
CR 40 (Wall Street)	30
Rugg Road	2@25
Lindsay Hill Road	24
Callahan Road	22
Brownville Road	2@22
Puritan Road	2@20
Stonebridge Road	26
CR 2 (Peters Road)	33
Jewell Road	24
Brownville Road	26
Cochran Road	22
Schuyler Heights Drive	22
2 nd Street	20
1 st Street	20
Route 50	28
Route 50	30
Railroad Street	26
Stump Street	26

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.20 Project 1V2252 – Saratoga County

Site Specific Lane Closure Restrictions:

- None

Item **404.058901 (Shim Course)** is being utilized at an average thickness of ½". Region 1 is requiring the use of either:

- 6.3 WMA mix meeting the requirements of 404.068301, but meeting F9 Friction requirements, and PG 64S-22 may be utilized in lieu of PG 64V-22. (This applies only as a substitution to Item 404.058901 for this contract only).
- Misc. Patching HMA mix meeting the requirements of Item 402.03890218 included in the currently active OGS centralized contract Group 31502, Award 23218 - Comprehensive Bituminous Concrete (Hot Mix Asphalt and Cold Patch) (Statewide).

The following intersections shall be paved approximately 75 feet from the edge of the mainline in each direction:

LOCATION	ROADWAY WIDTH
Alpine Meadows Road	26
Holmes Road	22
Chapman Street	25
Depot Road	2@22
Chapman Street	36
Locust Ridge Drive	60
Old Route 9N Road	2@28
Wells Road	25
Morgan Way	28

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.21 Project 1V2261 – Schenectady County

Site Specific Lane Closure Restrictions:

- None

Item **404.058901 (Shim Course)** is being utilized at an average thickness of ½”. Region 1 is requiring the use of either:

- 6.3 WMA mix meeting the requirements of 404.068301, but meeting F9 Friction requirements, and PG 64S-22 may be utilized in lieu of PG 64V-22. (This applies only as a substitution to Item 404.058901 for this contract only).
- Misc. Patching HMA mix meeting the requirements of Item 402.03890218 included in the currently active OGS centralized contract Group 31502, Award 23218 - Comprehensive Bituminous Concrete (Hot Mix Asphalt and Cold Patch) (Statewide).

The following intersections shall be paved approximately 50 feet from the edge of the mainline in each direction:

LOCATION	ROADWAY WIDTH
West Shore Road	30
East Shore Road	23
Thousand Acres Road	25
School Drive	27
Alexander Road	27
Stewart Lane	26
Cole Road	28
Victoria Drive	27
Cooley Heights	21

Cold Milling by the Paving Contractor and Coordination:

The project includes production cold milling to be performed by the VPP paving contractor or their designated sub-contractor within the project limits. The paving contractor will production mill the pavement on Route 395 from Route 7 to Route 20, 2.4 CL miles. The production cold milling includes milling an estimated 64,000 square yards at a milling depth of 2”.

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.21 Project 1V2261 – Schenectady County (Cont'd)

The Paving contractor shall coordinate their paving schedule with their selected Production Cold Milling Contractor, such that the milled surface is not left open to traffic for a period longer than ten days. The contractor will be responsible to clean the milled area and keep the milled surface clean until paving. The contractor will also remove asphalt and clean around all DI's, manholes and valve boxes. The contractor shall provide the necessary work zones, work zone signage and clean-up effort, including sweeping of the milled surface during the milling operation. The contractor will be responsible for trucking and disposal of the milled materials. All disposal locations shall be approved by the Engineer prior to disposal. All disposal operations must be done in accordance with all Federal, State, and local rules and regulations. Material removed shall be disposed of in accordance with the provisions of section 107-10 of the Standard Specifications, or as ordered by the Engineer. The contractor shall provide temporary pavement markings on the milled surface in accordance with the requirements of Section 619.xx of the Standard Specifications. The costs shall be included in the bid prices for the VPP project. Production cold milling shall be included in the bid cost of the top course asphalt item.

The paving contractor shall be responsible for miscellaneous milling and paving of the side road intersections from the edge of the mainline shoulder treatment to the rebate termination on the side road at locations listed in the rebate table. Intersections shall be milled and paved a length of 25 feet from the edge of the mainline shoulder treatment to the rebate termination location, nominal depth of 2". The rebates shall be milled by the paving contractor in accordance with the rebate table of widths. The 25 feet length of milling and paving of side road intersections will be included in the bid cost of the top course asphalt item.

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.22 Project 1V2281 – Washington County

Site Specific Lane Closure Restrictions:

- None

Item **404.058901 (Shim Course)** is being utilized at an average thickness of ½”. Region 1 is requiring the use of either:

- 6.3 WMA mix meeting the requirements of 404.068301, but meeting F9 Friction requirements, and PG 64S-22 may be utilized in lieu of PG 64V-22. (This applies only as a substitution to Item 404.058901 for this contract only).
- Misc. Patching HMA mix meeting the requirements of Item 402.03890218 included in the currently active OGS centralized contract Group 31502, Award 23218 - Comprehensive Bituminous Concrete (Hot Mix Asphalt and Cold Patch) (Statewide).

The following intersections shall be paved approximately 75 feet from the edge of the mainline in each direction:

LOCATION	ROADWAY WIDTH
(South) Old Route 4	30
(North) Old Route 4	30
(North) Quarry Road	20
Hawk Road	20
Morgans Lane	28
Gould Lane	22
Thomas Road	26
CR 17A	25
Grey Goose Road	22

Cold Milling by the Paving Contractor and Coordination:

The project includes production cold milling to be performed by the VPP paving contractor or their designated sub-contractor within the project limits. The paving contractor will production mill the pavement on Route 22 from the intersection of Route 40 & 22 to RM 1446 on Route 22 for a total of 0.75 CL miles. The production cold milling includes milling an estimated 10,560 square yards at a milling depth of 2”.

SECTION 3: PROJECTS - SPECIAL NOTES (NYSDOT REGION 1)

3.22 Project 1V2281 – Washington County (Cont'd)

The Paving contractor shall coordinate their paving schedule with their selected Production Cold Milling Contractor, such that the milled surface is not left open to traffic for a period longer than ten days. The contractor will be responsible to clean the milled area and keep the milled surface clean until paving. The contractor will also remove asphalt and clean around all DI's, manholes and valve boxes. The contractor shall provide the necessary work zones, work zone signage and clean-up effort, including sweeping of the milled surface during the milling operation. The contractor will be responsible for trucking and disposal of the milled materials. All disposal locations shall be approved by the Engineer prior to disposal. All disposal operations must be done in accordance with all Federal, State, and local rules and regulations. Material removed shall be disposed of in accordance with the provisions of section 107-10 of the Standard Specifications, or as ordered by the Engineer. The contractor shall provide temporary pavement markings on the milled surface in accordance with the requirements of Section 619.xx of the Standard Specifications. The costs shall be included in the bid prices for the VPP project. Production cold milling shall be included in the bid cost of the top course asphalt item.

The paving contractor shall be responsible for miscellaneous milling and paving of the side road intersections from the edge of the mainline shoulder treatment to the rebate termination on the side road at locations listed in the rebate table. Intersections shall be milled and paved a length of 25 feet from the edge of the mainline shoulder treatment to the rebate termination location, nominal depth of 1.5". The rebates shall be milled by the paving contractor in accordance with the rebate table of widths. The 25 ft length of milling and paving of side road intersections will be included in the bid cost of the top course asphalt item.

Centerline Audible Roadway Delineators, (CARDS)

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 1411 to RM 1440 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649.04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the WMA items. No separate payment will be made. The contractor will have to coordinate the timing of the CARD installation with the centerline striping by state forces.

SECTION 4: PROJECTS - SPECIAL NOTES (NYSDOT REGION 2)

4.1 Special Notes (**ALL REGION 2 SITES**) – Region 2 Projects

1. It shall be the Contractor’s responsibility to inventory and document the existing pavement marking patterns prior to milling and/or resurfacing and submit to the Engineer a copy of the inventory prior to beginning work. If the original markings are obliterated, the contractor shall contact the Resident Engineer for guidance on their location.
2. Prior to paving operations, the contractor will lay out the centerline with paint. In addition, the contractor will arbitrarily station the pavement at 100 foot intervals beginning at 0+00. The cost of this is to be included in the WMA items. No separate payment will be made.
3. RAP PG Binder Contribution - when greater than 10% of recycled asphalt pavement (RAP) is utilized in the production of warm mix asphalt (WMA) Top Course for this contract, the following minimum asphalt content will be utilized in the final mixture design calculation for optimum asphalt content:

WMA MIXTURE	MINIMUM ASPHALT CONTENT (%)
6.3 WMA	6.2
9.5 WMA	6.0
12.5 WMA	5.4
19.0 WMA	4.7

The mixture design will be formulated such that all the volumetric properties are within the criteria specified in the latest Material Method 5.16. The total targeted asphalt content of virgin binder and the accepted RAP asphalt contribution shall not be less than the minimum asphalt content of the mix design during production indicated in the above table.

4. **MIX DESIGN** - The mixture designs must be developed in accordance with the criteria specified in the WMA items that are appropriate for an Estimated Traffic Level of <0.3 Million ESALs.
 - a. The Gradation Design Control Points outlined in MM 5.16, Table 1 shall be modified as follows: For 9.5 Top Course WMA, the minimum passing the 12.5 mm sieve shall be 100%.
5. Intersections at all sites will require a separate paving operation from mainline (top course only). The rebate width for sideline intersections listed in the VPP Table of Rebates is the distance measured from the edge of the main line shoulder along the centerline of the intersecting road to the rebate terminus. All State Highway intersections require 64V-22 WMA. For all other sidelines and driveways, a 64S-22 WMA may be used in lieu of the required 64V-22 WMA at the contractor’s discretion. The cost of this is to be included in the WMA items. No separate payment will be made.
6. Mainline pavement overlay splices will be in accordance with Standard Sheet 402-01. This will be discussed at the pre-paving meeting. <https://www.dot.ny.gov/main/business-center/engineering/cadd-info/drawings/standard-sheets-us-repository/402-01.pdf>
7. Tack coat is to be overlapped a minimum of 8” at all longitudinal paving joints.
8. Asphalt mixture used at all sites is warm mix. The maximum mixture temperature for all warm mix is 295°F. The target temperature shall be 275°F. Mixture exceeding 295°F will be subject to rejection.

SECTION 4: PROJECTS - SPECIAL NOTES (NYSDOT REGION 2)

4.2 Project 2V2211 – Fulton County

1. The “**WMA Mixture Evaluation Using Performance Testing**” note shall apply to this site at all locations. All mix will be paid at a QAF of 1.0 in accordance with the note.
2. These sites will be Hot in Place Recycled (HIPR) under a separate contract. No paving can begin until the HIPR project is complete.
3. The contractor shall note that this PIN contains 4 routes as follows:
 - a. Route 920C (Briggs Street) – RM 920C-2101-1000 to 1002 – Briggs Street over Cayadutta Creek to Route 30A
 - b. Route 29 – RM 29-2101-2021 to 3075 – Route 30A to Route 30
 - c. Route 920D (Harrison Street) RM 920D-2101-1000 to 1006 – Route 30A to Route 29
 - d. Route 920J (Steel Street Extension) – RM 29A-2101-3000 to 3020 (+400') – Route 30A to Route 29
4. Please note that Route 920J reference markers are labeled 29A.
5. The following locations shall require a full width, 1-3/4” depth micro mill prior to paving. The micro milled surface will not be paved for a minimum of 5 days. The cost of micro milling, cleaning and all associated work is to be included in the price bid for item 404.068201. The Residency will haul the millings back to the Residency.
 - a. RM 920C-2101-1000 to 1001 (+400')
 - b. RM 29-2102-2021 to RM 29-2102-3007
 - c. RM 29A-2102-3000 to 3003 (West of Route 30A)
 - d. RM 29A-2102-3003 (+250') to 3003 (+400') (East of Route 30A)
6. RM 920D-2101-1066 – 360' of gutter exists on the Northbound lane only. The shoulder adjacent to this gutter shall be micro milled to a 1” depth and feathered out to 0” at the fog line.
7. The snowplow turn at RM 29-2102-3147 shall be paved with 1-1/2” of item 404.068201.
8. Item 404.058901 will be placed full width of the travel lanes and feathered 6' onto the shoulders. Where the shoulders are 6' or less the shim shall extend the full width of the shoulder.
9. As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** and **Secondary Highway Audible Roadway Delineators (SHARDS)** from RM 29-2101-3007 to 29-2101-3075 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649.04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the WMA items. No separate payment will be made.
10. A **Material Transfer Vehicle** meeting the requirements of the **MATERIAL TRANSFER VEHICLE (MTV)** note shall be required. The cost of this is to be included in the WMA items. No separate payment will be made.

SECTION 4: PROJECTS - SPECIAL NOTES (NYSDOT REGION 2)

4.3 Project 2V2221 – Hamilton County

1. The “**HMA/WMA Mixture Evaluation Using Performance Testing**” note shall apply to this site. All mix will be paid at a QAF of 1.0 in accordance with the note.
2. This site will be Hot in Place Recycled (HIPR) under a separate contract. No paving can begin until the HIPR project is complete.
3. Item 404.058901 will be placed full width of the travel lanes and feathered 6’ onto the shoulders. Where the shoulders are 6’ or less the shim shall extend the full width of the shoulder.
4. The parking areas located at RM 8-2209-1289 and 8-2209-1293 shall be over laid with 1-1/2” 6.3 top course. The cost of this paving will be paid under item 404.068201.

Tack Coat shall be applied prior to paving. Parking area surfaces shall be cleaned prior to paving.
5. There is longitudinal HMA curb located at RM 8/2209/1366-1363 -100 feet. The contractor shall mill the full shoulder width (8 feet wide) feathered from 0” depth at the fog line to 1” depth at the curb for the full length of the curb at this location.
6. As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** and **Secondary Highway Audible Roadway Delineators (SHARDS)** for the full length of the project in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649.04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the WMA items. No separate payment will be made.

Cost of collection and disposal of generated milling shall be contractor's responsibility and is to be included in the WMA items. No separate payment will be made.
7. **A Material Transfer Vehicle** meeting the requirements of the **MATERIAL TRANSFER VEHICLE (MTV)** note shall be required. The cost of this is to be included in the WMA items. No separate payment will be made.
8. All equipment shall be washed for all invasives and screened for spotted lantern fly, prior to entering the Adirondack Park.

SECTION 4: PROJECTS - SPECIAL NOTES (NYSDOT REGION 2)

4.4 Project 2V2231 – Herkimer County

1. The “**HMA/WMA Mixture Evaluation Using Performance Testing**” note shall apply to this site. All mix will be paid at a QAF of 1.0 in accordance with the note.
2. This site will be Hot in Place Recycled (HIPR) under a separate contract. No paving can begin until the HIPR project is complete.
3. All gore area epoxy pavement markings within the limits of paving are to be removed prior to paving. The cost of this work shall be included in item 404.068201.
4. Item 404.058901 will be placed full width of the travel lanes and feathered 6’ onto the shoulders. Where the shoulders are 6’ or less the shim shall extend the full width of the shoulder.
5. As part of this contract, the contractor is required to install **Milled in Audible Roadway Delineators, (MIARDS)** for the full length of the project (on both sides of the road) in accordance with Item 649.01 and NYS Standard Sheets 649.02. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the WMA items. No separate payment will be made.
6. **A Material Transfer Vehicle** meeting the requirements of the **MATERIAL TRANSFER VEHICLE (MTV)** note shall be required. The cost of this is to be included in the WMA items. No separate payment will be made.

SECTION 4: PROJECTS - SPECIAL NOTES (NYSDOT REGION 2)

4.5 Project 2V2241 – Madison County

1. The “**HMA/WMA Mixture Evaluation Using Performance Testing**” note shall apply to this site. Item 404.017901 will NOT require the IDT, SCB or CT Index testing. All other testing included in Table 3 of the note will apply to 404.017901. All mix including T&L will be paid at a QAF of 1.0 in accordance with the note.
2. This site will be cold in place recycled under a separate contract. This will require coordination between the awarded paving contractor under this contract and the recycling contractor. The overlay cannot be placed until the 10 Day CIPR cure period is complete.
3. Paving operations shall progress in the opposite direction of traffic.
4. Item 404.017901 will be placed full width on the travel lanes and the shoulders. The mixture used for item 404.017901 (T&L) shall be 19mm. No wedge joint will be allowed for this mix. Lanes must be matched up daily.
5. A **Material Transfer Vehicle** meeting the requirements of the **MATERIAL TRANSFER VEHICLE (MTV)** note shall be required for all mixtures placed on this site. The cost of this is to be included in the WMA items. No separate payment will be made.

SECTION 4: PROJECTS - SPECIAL NOTES (NYSDOT REGION 2)

4.6 Project 2V2261 – Oneida County

- 1 The “**HMA/WMA Mixture Evaluation Using Performance Testing**” note shall apply to this site. Item 404.017901 will NOT require the IDT, SCB or CT Index testing. All other testing included in Table 3 of the note will apply to 404.017901. All mix including T&L will be paid at a QAF of 1.0 in accordance with the note.
- 2 Three segments of this site will be cold in place recycled under a separate contract. As follows:
 - a. RM 274-2601-1009(+200’) to 274-2601-1017
 - b. RM 274-2601-1023 to 274-2601-1039(+100’)
 - c. RM 274-2601-1040(+325’) to 1054
 - d. This will require coordination between the awarded paving contractor under this contract and the recycling contractor. The overlay cannot be placed until the 10 Day CIPR cure period is complete.
- 3 The following three segments of this project shall require a full width, 3” depth micro mill prior to paving. The micro milled surface will not be paved for a minimum of 5 days. The cost of micro milling, cleaning, driveway wedges and all associated work is to be included in the price bid for item 404.096301.
 - a. RM 274-2601-1002(+400’) to 274-2601-1009(+200’)
 - b. RM 274-2601-1017 to 274-2601-1023
 - c. RM 274-2601-1039(+100’) to 274-2601-1040(+325’)
- 4 Paving operations shall progress in the opposite direction of traffic.
- 5 Item 404.017901 will be placed full width on the travel lanes and the shoulders. The mixture used for item 404.017901 (T&L) shall be 12.5mm. No wedge joint will be allowed for this mix. Lanes must be matched up daily.
- 6 **A Material Transfer Vehicle** meeting the requirements of the **MATERIAL TRANSFER VEHICLE (MTV)** note shall be required for all mixture s placed on this site. The cost of this is to be included in the WMA items. No separate payment will be made.

SECTION 4: PROJECTS - SPECIAL NOTES (NYSDOT REGION 2)

4.7 Material Transfer Vehicle (MTV) - Region 2

2V2211 - Route 29 and 920C, Route 30A to Route 30, Route 920D (Harrison Street), Route 30A to Route 29, Route 920J (Route 29A), Route 30A to Route 29

2V2221 - Route 8/30 OLAP, Route 8 to Speculator

2V2231 - Route 5S - Herkimer County Line to Ilion

2V2241 - Route 80 – Williams Road (Sheds) to Chapin Road

2V2261 - Route 274 - Ward Street to Williams Road

The Contractor is required to use a self-propelled **Material Transfer Vehicle (MTV)** to transfer hot mix asphalt (HMA) from the hauling units to the paving equipment when placing HMA for mainline paving.

The MTV shall be specifically designed and constructed for the purpose of unloading delivery vehicles, storing and remixing HMA materials, and transferring materials to the paver. No substitutes such as pick-up machines will be allowed. The MTV shall have a storage bin and a conveyor system to deliver the HMA mixture to the paving equipment. In addition to the MTV, the HMA paver shall be equipped with a paver hopper insert. The paver hopper insert, or MTV shall have a remixing auger system capable of continuously blending the HMA to eliminate segregation in the finished mat. The combined minimum storage capacity of the MTV and paver hopper insert shall be 30 tons. The equipment shall be approved by the Engineer prior to commencement of paving.

Use of the MTV system for paving on bridge structures is not required. The MTV system shall not exceed maximum legal loadings when crossing structures.

An MTV will be required for all mixtures placed on mainline, mainline shoulders and all ramps. An MTV will not be required for parking areas, U-turn areas and sideline intersections.

Operation of the MTV shall be non-contact with the paver and controlled by an auto tracking mechanism which synchronizes the machine's forward speed with the paver. The MTV shall provide continuous flow of HMA to the paver during daily paving operations. If a discontinuous flow of HMA occurs or if excessive segregation is evident in the finished surface, paving shall be halted, and the Contractor must take necessary corrective actions prior to the resumption of paving.

Any water used on the MTV tires to prevent tack coat pickup shall be minimized. If water drips onto the unpaved/tacked surface, the water must be turned down or off.

General operation and cleaning restrictions of the MTV shall meet the requirements of Section 402 for Pavers.

The cost for the MTV and paver hopper insert shall be included under the appropriate hot/warm mix asphalt items.

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.1 Holiday and Event Restrictions – Region 3 Projects

All Region 3 Projects shall follow the holiday restrictions listed below:

There shall be no temporary lane closures permitted on the following dates:

- 6:00 am Friday, May 27, 2022 thru 6:00 am Tuesday, May 31, 2022 – (Memorial Day Holiday)
- 6:00 am Friday, July 1, 2022 thru 6:00 am Tuesday, July 5, 2022 – (July 4th Holiday)
- 6:00 am Friday, September 2, 2022 thru 6:00 am Tuesday, September 6, 2022 – (Labor Day Holiday)
- 6:00 am Wednesday, November 23, 2022 thru 6:00 am Monday, November 28, 2022 - (Thanksgiving Holiday)

2022 ADDITIONAL TEMPORARY LANE/SHOULDER CLOSURE RESTRICTIONS FOR OTHER HOLIDAYS AND/OR SPECIAL EVENTS

There shall be no temporary lane or shoulder closures on roadway facilities **designated on the following page** on these additional holidays or special events.

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.1 Holiday and Event Restrictions – Region 3 Projects (Cont'd)

FACILITY	LIMITS	HOLIDAY/EVENT
I-690	All	Syracuse Nationals
Routes 297, 931B (State Fair Blvd), 695, 5 Bypass	All	
I-81	I-90 (Exit 25A) to I-690	
All state roadways	Onondaga County (Pavement Markings Work Only)	
I-81	Onondaga County	New York State Fair
I-481	All	
I-690	All	
Routes 690, 695, 297, 931B (State Fair Blvd)	All	
Route 5	Route 174 to West Genesee Street in Fairmount	Oswego Harborfest
Route 481	Oswego County	
Route 104	West Oswego County to I-81	
Routes 104A and 104B	All	
Route 3	North of Route 104B	
Route 48	North of Route 690	
I-81	Cortland County	Central New York Maple Festival
Route 11	South of Route 41 (McGraw Interchange on I-81)	
Route 221	All	
I-81	City of Cortland to City of Syracuse	Lafayette Apple Festival
Route 11	Tully to Syracuse	
Route 11A	All	
Route 20	Route 174 to Madison County Line	
I-81 (Northbound)	Tully to I-690	Before Major Events held in the Carrier Dome
I-81 (Southbound)	Central Square to Southerly Terminus of I-481	
I-481	South of Route 298	
I-690	All	After Major Events held in the Carrier Dome
I-81 (Northbound)	Southerly Terminus of I-491 and Route 11 Interchange in Mattydale (Exit 26)	
I-81 (Southbound)	I-690 to Tully (Exit 14)	
I-481	South of Route 298	
I-690	All	Before Amphitheater Events
Routes 297, 931B (State Fair Blvd), 695	All	
Route 5 (Westbound)	West Genesee Street to Route 695	
Route 5 (Eastbound)	Route 174 to Route 695	
I-690 (Eastbound)	I-90 (Exit 1) to Hiawatha Boulevard (Exit 9)	
I-690 (Westbound)	I-81 to Route 695	After Amphitheater Events
Routes 297, 931B (State Fair Blvd), 695	All	
Route 5 (Westbound)	Route 695 to Route 174	
Route 5 (Eastbound)	Route 695 to West Genesee Street	
I-690 (Eastbound)	Route 695 to I-81	
I-690 (Westbound)	Exit 7, Solvay to I-90 (Exit 1)	Empire Farm Days
Route 20	Route I-81 to Madison County Line	
Route 91	Route 20 to Route 173	
Route 11	Route 20 to Route I-81 Ramps, Nedrow	

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.1 Holiday and Event Restrictions – Region 3 Projects (Cont’d)

Construction activities that will result in temporary lane/shoulder closures on the above-mentioned roadways shall be suspended to minimize travel delays associated with road work on these additional holidays or special events as follows:

HOLIDAY OR SPECIAL EVENT	FALLS ON		TEMPORARY LANE CLOSURES ARE NOT ALLOWED FROM
	Days	Date (mm/dd/yyyy)	
Syracuse Nationals	All	07/15/2022 thru 07/18/2022	Beginning 6:00 AM Friday and Ends 6:00 AM Monday
New York State Fair	All	08/19/2022 thru 09/06/2022	Beginning 6:00 AM Friday and Ends 6:00 AM Tuesday
Oswego Harborfest	All	07/28/2022 thru 08/01/2022	Beginning 6:00 AM Thursday and Ends 6:00 AM Monday
Central New York Maple Festival	Saturday Sunday	04/TBA/2022 thru 04/TBA/2022	Beginning 6:00 AM Saturday and Ends 6:00 AM Monday
Lafayette Apple Festival	Saturday Sunday	10/TBA/2022 thru 10/TBA/2022	Beginning 6:00 AM Saturday and Ends 6:00 AM Monday
Before Major Events held in the Carrier Dome	Syracuse University Football Games, Men’s Basketball Games, Commencement Exercises, Concerts, Conventions, Etc.		From two hours prior to the scheduled start until 30 minutes after the scheduled start of the event.
After Major Events held in the Carrier Dome	Syracuse University Football Games, Men’s Basketball Games, Commencement Exercises, Concerts, Conventions, Etc.		From 30 minutes prior to the scheduled conclusion until 1 hour after the actual conclusion of the event.
Before Amphitheater Events			From two hours prior to the scheduled start until 30 minutes after the scheduled start of the event.
After Amphitheater Event			From 30 minutes prior to the scheduled conclusion until 1 hour after the actual conclusion of the event.
Empire Farm Days	Monday-Friday	8/1/2022 thru 8/5/2022	Beginning 6:00 AM Monday and Ends 6:00 PM Friday

Exceptions can only be made under the following conditions:

- Emergency work.
- Work within long-term stationary lane closures.
- Safety work that does not adversely impact traffic mobility and has been authorized by the Regional Traffic Engineer.

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.1 Holiday and Event Restrictions – Region 3 Projects (Cont’d)

2022 ADDITIONAL RESTRICTIONS FOR OTHER HOLIDAYS AND/OR SPECIAL EVENTS

There shall be no pavement marking paint work permitted during the Syracuse Nationals Weekend special event on the roadways designated below:

Onondaga County Projects PINs 360443, 360444, 360448, 360451, 360453, and 360455: Routes 31, 631, 41, Onondaga Nation Roads, 11 Lafayette, 173 and 11 Cicero (Syracuse Nationals Weekend). No pavement marking paint work permitted only. Beginning 6:00 am Friday, July 15, 2022 ending 6:00 am Monday, July 18, 2022.

Onondaga County Project PIN 360452, Routes 173: There shall be no temporary lane or shoulder closures permitted before and after events at Onondaga Community College (OCC). The contractor shall coordinate their work schedule with the Resident Engineer and the OCC campus schedule per the guidance below:

HOLIDAY OR SPECIAL EVENT	FALLS ON		TEMPORARY LANE CLOSURES ARE NOT ALLOWED FROM
	Days Varies	Date TBD (mm/dd/yyyy)	
Before and After Major Events held at OCC or in the SRC Arena	OCC Football Games, Basketball Games, Sporting Events, Commencement Exercises, Concerts, Conventions, Etc.		From two hours prior to the scheduled start of the event until two hours after the scheduled end of the event.

Exceptions can only be made under the following conditions:

- Emergency work.
- Work within long-term stationary lane closures.
- Safety work that does not adversely impact traffic mobility and has been authorized by the Regional Traffic Engineer.

5.2 Pilot Vehicle – Region 3 Projects

Unless otherwise specified, the highway shall be kept open to traffic at all times. Traffic shall be discontinued on the lanes where work is being performed on these projects; and as soon as paving is done and rolled, controlled traffic may be permitted thereon. For Region 3 projects in this Invitation for Bids, the Contractors shall provide sufficient two-way radio equipped pilot vehicles to guide traffic around paving work at a speed not to exceed 15 mph. The pilot vehicles shall be equipped with construction signs meeting the requirements of Section 6F.58 of the Manual of Uniform Traffic Control Devices and a rotating amber beacon:

SIGN	MINIMUM SIZE	LOCATION
PILOT VEHICLE FOLLOW ME	G20-4 CONVENTIONAL 36”x 18”	ON BACK OF PILOT VEHICLES

The pilot vehicles shall have the name of the Contractor prominently displayed.

All cost for Work Zone Traffic Control including flagging, temporary pavement markings, channelizing devices, construction signs, and pilot vehicles shall be included in the prices per ton of bituminous concrete. No separate payment shall be made. **The use of the pilot vehicle shall be as ordered by the Resident Engineer.**

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.3 Region 3 Projects (All Region 3 Sites)

For projects with milling by State Forces or others, State Forces will perform initial sweeping of milled surfaces. It is the Contractor's responsibility to ensure the surface is clean prior to paving and sweep if necessary, before and during the paving operation. Payment for sweeping shall be included in the price bid per ton for the WMA. No separate payment shall be made.

It shall be the Contractor's responsibility to inventory and document the existing pavement marking patterns prior to milling and/or resurfacing and submit to the Engineer a copy of the inventory prior to beginning work. The contractor shall also document the existing lane widths and shoulder widths of the pavement marking patterns and any special markings. The Contractor shall be responsible for completing all pavement marking layout necessary for the installation of the final pavement markings. There may be the need for the contractor to make adjustments to the pavement marking layout including changes as indicated by the Regional Traffic and Safety Group or the Resident Engineer. If the original markings are obliterated, the contractor shall contact the Resident Engineer for guidance on their location.

If the VPP contractor's final paving work is completed after October 22, 2022, then the VPP contractor shall be responsible to apply final (permanent) long line pavement markings within 7 days after the completion of paving travel lanes. No separate payment shall be made.

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.4 Project 360442 – Route 318, Seneca County

This project will have a heater scarification treatment by others prior to paving. The VPP paving contractor is responsible to coordinate their work schedule with the heater scarification contractor.

The paving contractor shall be responsible for miscellaneous milling and paving of the side road intersections from the edge of the mainline shoulder treatment to the rebate termination on the side road at locations listed in the rebate table. Intersections shall be milled and paved a length of 25 feet from the edge of the mainline shoulder treatment to the rebate termination location, nominal depth of 1.5". The rebates shall be milled by the paving contractor in accordance with the rebate table of widths. The 25 feet length of milling and paving of side road intersections will be included in the bid cost of the top course asphalt item.

As part of this contract, the contractor shall install **Centerline Audible Roadway Delineators (CARDS)** from Route 414 to Route 5 & 20 (RM 318-3501-1000 to 1041) 4.1 CL miles (21, 648 LF) and **Shoulder Audible Roadway Delineators (SHARDS)** from Route 414 to Route 5 & 20, (RM 318-3501-1000 to 1041) 8.2 shoulder miles (43,296 LF). The contractor is required to install the CARDS and SHARDS in accordance with Item 649.11 and NYS Standard Sheet 649-03. All work required to complete the CARDS and SHARDS, including any additional temporary pavement striping as well as work zone traffic control, shall be included in the bid cost of the top course asphalt item.

The Contractor shall be required to install long line **final paint pavement markings** after top course paving per the pavement marking inventory. Pavement marking costs shall be included in the bid cost of the top course asphalt item.

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.5 Project 360443 – Routes 31 and 631, Onondaga County

The project includes production cold milling to be performed by the VPP paving contractor or their designated sub-contractor within the project limits. The paving contractor will production mill the pavement on Route 31 from East of Henry Clay Boulevard to West of Route 11 and From South Bay Road to the Madison County Line, RM 31-3309-1208 to 1243, 31-3309-1269 to 1329. The paving contractor will production mill the pavement on Route 631 from Route 370 to Route 31, RM 631-3301-1100 to 1108. The production cold milling on Route 631 includes milling an estimated 26,200 square yards at a milling depth of 2.25". The production cold milling on Route 31 includes milling an estimated 227,200 square yards at a milling depth of 2.25". Production milling on Routes 31 and 631 totals 10.3 CL miles.

The Paving contractor shall coordinate their paving schedule with their selected Production Cold Milling Contractor, such that the milled surface is not left open to traffic for a period longer than ten days. The contractor will be responsible to clean the milled area and keep the milled surface clean until paving. The contractor will also remove asphalt and clean around all DI's, manholes and valve boxes. The contractor shall provide the necessary work zones, work zone signage and clean-up effort, including sweeping of the milled surface during the milling operation. The contractor will be responsible for trucking and disposal of the milled materials. All disposal locations shall be approved by the Engineer prior to disposal. All disposal operations must be done in accordance with all Federal, State, and local rules and regulations. Material removed shall be disposed of in accordance with the provisions of section 107-10 of the Standard Specifications, or as ordered by the Engineer. The contractor shall provide temporary pavement markings on the milled surface in accordance with the requirements of Section 619.xx of the Standard Specifications. The costs shall be included in the bid prices for the VPP project. Production cold milling shall be included in the bid cost of the top course asphalt item.

The paving contractor shall be responsible to mill and pave the side road intersections from the edge of the mainline shoulder treatment to the rebate termination on the side road at locations listed in the rebate table. Intersections shall be milled and paved a length of 25 feet from the edge of the mainline shoulder treatment to the rebate termination location, nominal depth of 2.25". The rebates shall be milled by the paving contractor in accordance with the rebate table of widths. The 25 feet length of milling and paving of side road intersections will be included in the bid cost of the top course asphalt item.

Signal loop replacement is required at signalized intersections on Route 31 and 631. The VPP contractor shall allow the State 5 working days after milling and before paving to allow the State or it's signal contractor to install new signal loops in the milled surface.

As part of this contract, the contractor shall install **Centerline Audible Roadway Delineators (CARDS)** on Route 31 from RM 31-3309-1208 to 1243 and RM 31-3309-1269 to 1324, 9.0 CL miles (47,520 LF) and on Route 631 from Route 370 to Route 31, RM 631-3301-1100 to 1108, 0.8 CL miles (4,224 LF) and install **Shoulder Audible Roadway Delineators (SHARDS)** on Route 31 from RM 31-3309-1224 to 1240 and RM 31-3309-1270 to 1319, 13.0 shoulder miles (68,640 LF). The contractor is required to install the CARDS and SHARDS in accordance with Item 649.11 and NYS Standard Sheet 649-03. All work required to complete the CARDS and SHARDS, including any additional temporary pavement striping as well as work zone traffic control, shall be included in the bid cost of the top course asphalt item.

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.6 Project 360444 – Routes 41, Onondaga County

The project includes production cold milling to be performed by the VPP paving contractor or their designated sub-contractor within the project limits. The paving contractor will production mill the pavement on Route 41 from the Cortland County Line to Collard Road., RM 41-3304-1000 to 1110, 11.0 CL miles. The production cold milling on Route 41 includes milling an estimated 204,630 square yards at a milling depth of 2.25”.

The Paving contractor shall coordinate their paving schedule with their selected Production Cold Milling Contractor, such that the milled surface is not left open to traffic for a period longer than ten days. The contractor will be responsible to clean the milled area and keep the milled surface clean until paving. The contractor will also remove asphalt and clean around all DI’s, manholes and valve boxes. The contractor shall provide the necessary work zones, work zone signage and clean-up effort, including sweeping of the milled surface during the milling operation. The contractor will be responsible for trucking and disposal of the milled materials. All disposal locations shall be approved by the Engineer prior to disposal. All disposal operations must be done in accordance with all Federal, State, and local rules and regulations. Material removed shall be disposed of in accordance with the provisions of section 107-10 of the Standard Specifications, or as ordered by the Engineer. The contractor shall provide temporary pavement markings on the milled surface in accordance with the requirements of Section 619.xx of the Standard Specifications. The costs shall be included in the bid prices for the VPP project. Production cold milling shall be included in the bid cost of the top course asphalt item.

As part of this contract, the contractor shall install **Centerline Audible Roadway Delineators (CARDS)** on Route 41 from RM 41-3304-1000 to 1075 and RM 41-3304-1085 to 1110, 10.0 CL miles (52,800 LF). The contractor is required to install the CARDS in accordance with Item 649.11 and NYS Standard Sheet 649-03. All work required to complete the CARDS, including any additional temporary pavement striping as well as work zone traffic control, shall be included in the bid cost of the top course asphalt item.

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.7 Project 360445 – Route 3, Oswego County

This project requires production milling by others prior to paving. The VPP paving contractor is responsible to coordinate their work schedule with the State's milling contractor.

The contractor shall pave on Rathburn Road from the edge of shoulder on Route 3 to the entrance of the NYSDOT Fulton sub-residency driveway with 1.5" of top course asphalt. Approximately 120 feet length on Rathburn Road.

As part of this contract, the contractor shall install **Centerline Audible Roadway Delineators (CARDS)** from RM 3-3401-1100 to 1110 and from RM 3-3401-1000-1062, 7.2 CL miles (38,016 LF) and install **Shoulder Audible Roadway Delineators (SHARDS)** from RM 3-3401-1002 to 1062, 12.0 shoulder miles (63,360 LF). The contractor is required to install the CARDS and SHARDS in accordance with Item 649.11 and NYS Standard Sheet 649-03. All work required to complete the CARDS and SHARDS, including any additional temporary pavement striping as well as work zone traffic control, shall be included in the bid cost of the top course asphalt item.

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.8 Project 360446 – Route 38, Tompkins County

The project includes production cold milling to be performed by the VPP paving contractor or their designated sub-contractor within the project limits. The paving contractor will production mill the pavement on Route 38 from RM 38-3603-1134 to 1162, 2.8 CL miles. The production cold milling on Route 38 includes milling an estimated 52,000 square yards at a milling depth of 2.25”.

The Paving contractor shall coordinate their paving schedule with their selected Production Cold Milling Contractor, such that the milled surface is not left open to traffic for a period longer than ten days. The contractor will be responsible to clean the milled area and keep the milled surface clean until paving. The contractor will also remove asphalt and clean around all DI’s, manholes and valve boxes. The contractor shall provide the necessary work zones, work zone signage and clean-up effort, including sweeping of the milled surface during the milling operation. The contractor will be responsible for trucking and disposal of the milled materials. All disposal locations shall be approved by the Engineer prior to disposal. All disposal operations must be done in accordance with all Federal, State, and local rules and regulations. Material removed shall be disposed of in accordance with the provisions of section 107-10 of the Standard Specifications, or as ordered by the Engineer. The contractor shall provide temporary pavement markings on the milled surface in accordance with the requirements of Section 619.xx of the Standard Specifications. The costs shall be included in the bid prices for the VPP project. Production cold milling shall be included in the bid cost of the top course asphalt item.

The paving contractor shall install Tensar GlasGrid or equivalent on the T&L course asphalt in the curbed section on Route 38 prior to paving top course asphalt. The GlasGrid shall be installed per manufacturer’s and DOT’s recommendations and specifications. Estimated quantity of GlasGrid is 19,000 square yards. The cost of the GlasGrid and installation shall be included in the bid cost of the top course asphalt item.

As part of this contract, the contractor shall install **Centerline Audible Roadway Delineators (CARDS)** from RM 38-3603-1143 to 1162, 1.9 CL miles (10,032 LF). The contractor is required to install the CARDS in accordance with Item 649.11 and NYS Standard Sheet 649-03. All work required to complete the CARDS, including any additional temporary pavement striping as well as work zone traffic control, shall be included in the bid cost of the top course asphalt item.

The Contractor shall be required to install long line **final paint pavement markings** after top course paving per the pavement marking inventory. Pavement marking costs shall be included in the bid cost of the top course asphalt item.

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.9 Project 360447 – Route 89, Seneca County

The project includes production cold milling to be performed by the VPP paving contractor or their designated sub-contractor within the project limits. The paving contractor will production mill the pavement on Route 89 from the Tompkins County Line to County Route 141B (RM 89-3502-1000 to 1067), 6.66 CL miles. The production cold milling on Route 89 includes milling an estimated 142,000 square yards at a milling depth of 2.0”.

The Paving contractor shall coordinate their paving schedule with their selected Production Cold Milling Contractor, such that the milled surface is not left open to traffic for a period longer than ten days. The contractor will be responsible to clean the milled area and keep the milled surface clean until paving. The contractor will also remove asphalt and clean around all DI’s, manholes and valve boxes. The contractor shall provide the necessary work zones, work zone signage and clean-up effort, including sweeping of the milled surface during the milling operation. The contractor will be responsible for trucking and disposal of the milled materials. The State reserves the right to retain up to 20% of the milled material and will provide hauling for that portion. All disposal locations shall be approved by the Engineer prior to disposal. All disposal operations must be done in accordance with all Federal, State, and local rules and regulations. Material removed shall be disposed of in accordance with the provisions of section 107-10 of the Standard Specifications, or as ordered by the Engineer. The contractor shall provide temporary pavement markings on the milled surface in accordance with the requirements of Section 619.xx of the Standard Specifications. The costs shall be included in the bid prices for the VPP project. Production cold milling shall be included in the bid cost of the top course asphalt item.

The paving contractor shall be responsible for miscellaneous milling and paving of the side road intersections from the edge of the mainline shoulder treatment to the rebate termination on the side road at locations listed in the rebate table. Intersections shall be milled and paved a length of 25 feet from the edge of the mainline shoulder treatment to the rebate termination location, nominal depth of 2.0”. The rebates shall be milled by the paving contractor in accordance with the rebate table of widths. The 25 feet length of milling and paving of side road intersections will be included in the bid cost of the top course asphalt item.

The paving contractor shall pave the parking area located on Route 89 North at RM 89-3502-1031 with 1.5” of top course asphalt. The parking area paving shall be included in the bid cost of the top course asphalt item.

As part of this contract, the contractor shall install **Centerline Audible Roadway Delineators (CARDS)** from the Tompkins County Line to CR 141B (RM 89-3502-1000 to 1067), 6.7 CL miles (35,376 LF) and **Shoulder Audible Roadway Delineators (SHARDS)** from the Tomkins County Line to CR 131B (RM 89-3502-1000 to 1067), 13.4 shoulder miles (70,752 LF). The contractor is required to install the CARDS and SHARDS in accordance with Item 649.11 and NYS Standard Sheet 649-03. All work required to complete the CARDS and SHARDS, including any additional temporary pavement striping as well as work zone traffic control, shall be included in the bid cost of the top course asphalt item.

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

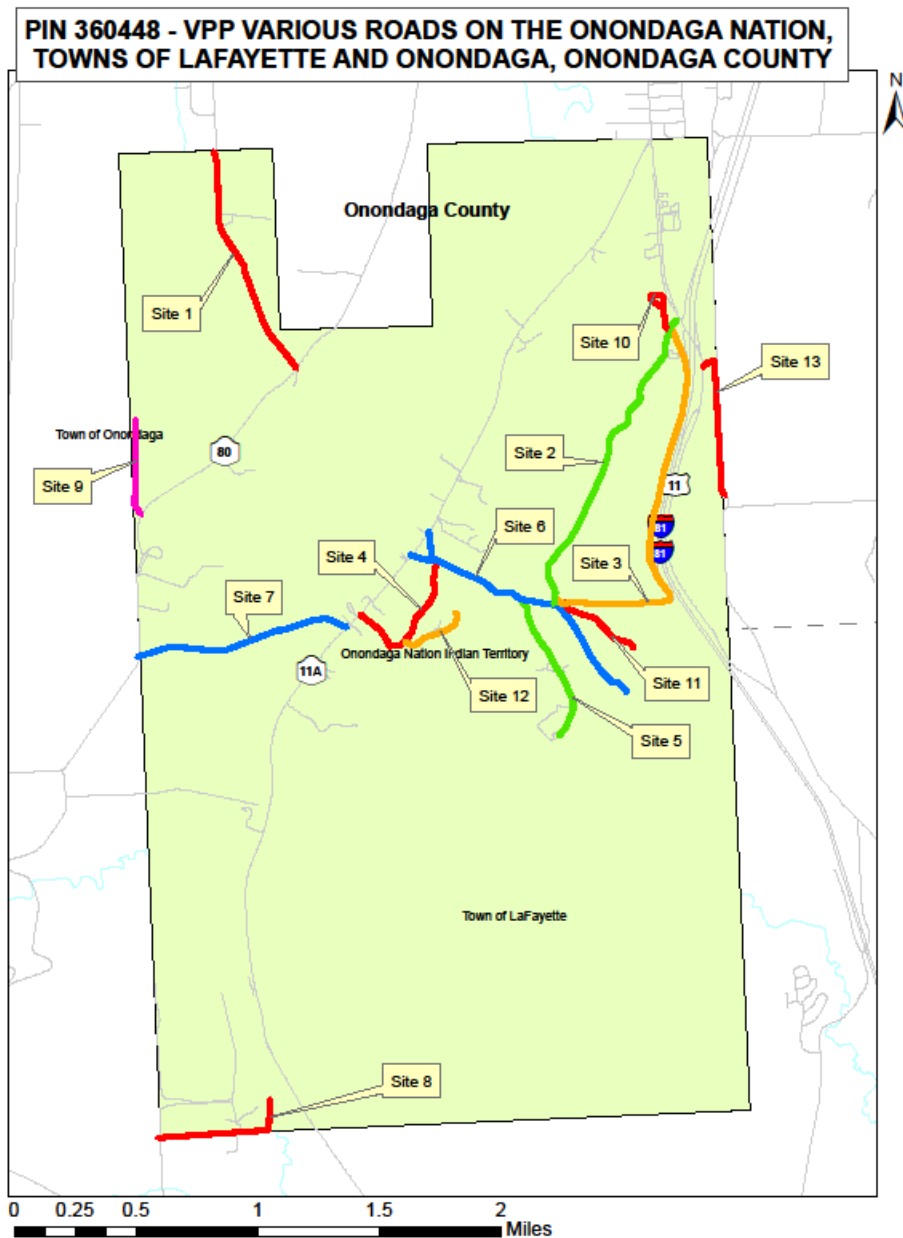
5.9 Project 360447 – Route 89, Seneca County (Cont'd)

The Contractor shall be required to install long line **final paint pavement markings** after top course paving per the pavement marking inventory. Pavement marking costs shall be included in the bid cost of the top course asphalt item.

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.10 Project 360448 Onondaga Nation Roads, Onondaga County

The project includes an estimated 153,505 square yards of T&L and top course paving in the Onondaga Nation on roads as follows: Site 1 - Commissary Road (Cleveland Road) (1.0 CL miles), Site 2 - Quarry Road (1.34 CL miles), Site 3 - Frontage Road (Dugget's Hill Road) (1.66 CL miles), Site 4 - Martin's Lane (0.77 CL miles), Site 5 - Webster Road (1.3 CL miles), Site 6 - Hemlock Road (and Hemlock Road Spur) (0.62 CL miles), Site 7 - Gibson Road (0.89 CL miles), Site 8 - Buffalo Hill Road (0.4 miles), Site 9 - Lions-Den Road (0.41 CL miles), Site 10 - Old Route 11 (Road L) (0.29 miles), Site 11 - Maybe Road (0.37 CL miles), Site 12 - Martin's Lane Extension (0.17 CL miles), Site 13 - Kennedy Road (and Kennedy Road Extension) (0.7 CL miles). See map below with site locations:



The Contractor's work schedule for all contractor work within the Onondaga Nation shall be submitted to the Resident Engineer in advance and is subject to the approval of the Onondaga Nation.

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.11 Project 360449 – Routes 11, 41 and 281, Cortland County

The project includes production cold milling to be performed by the VPP paving contractor or their designated sub-contractor within the project limits. The paving contractor will production mill the pavement on Route 11 from the Cortland city line to Route 41, on Route 41 from Route 11 to Route 281 and on Route 281 from Fisher Avenue to Route 930Q (I-81 ramps), 3.58 CL miles. The production cold milling includes milling an estimated 82,000 square yards at a milling depth of 2.25”.

The Paving contractor shall coordinate their paving schedule with their selected Production Cold Milling Contractor, such that the milled surface is not left open to traffic for a period longer than ten days. The contractor will be responsible to clean the milled area and keep the milled surface clean until paving. The contractor will also remove asphalt and clean around all DI’s, manholes and valve boxes. The contractor shall provide the necessary work zones, work zone signage and clean-up effort, including sweeping of the milled surface during the milling operation. The contractor will be responsible for trucking and disposal of the milled materials. All disposal locations shall be approved by the Engineer prior to disposal. All disposal operations must be done in accordance with all Federal, State, and local rules and regulations. Material removed shall be disposed of in accordance with the provisions of section 107-10 of the Standard Specifications, or as ordered by the Engineer. The contractor shall provide temporary pavement markings on the milled surface in accordance with the requirements of Section 619.xx of the Standard Specifications. The costs shall be included in the bid prices for the VPP project. Production cold milling shall be included in the bid cost of the top course asphalt item.

The paving contractor shall be responsible for miscellaneous milling and paving of the side road intersections from the edge of the mainline shoulder treatment to the rebate termination on the side road at locations listed in the rebate table. Intersections shall be milled and paved a length of 25 feet from the edge of the mainline shoulder treatment to the rebate termination location, nominal depth of 1.5”. The rebates shall be milled by the paving contractor in accordance with the rebate table of widths. The 25 feet length of milling and paving of side road intersections will be included in the bid cost of the top course asphalt item.

Signal loop replacement is required at signalized intersections on Routes 11, 41 and 281. The VPP contractor shall allow the State 5 working days after milling and before paving to allow the State or it’s signal contractor to install new signal loops in the milled surface.

As part of this contract, the contractor shall install **Centerline Audible Roadway Delineators (CARDS)** on Route 281 from RM 281-3201-3006 to 3010, 0.4 CL miles (2,112 LF). The contractor is required to install the CARDS in accordance with Item 649.11 and NYS Standard Sheet 649-03. All work required to complete this work, including any additional temporary pavement striping as well as work zone traffic control, shall be included in the bid cost of the top course asphalt item.

The Contractor shall be required to install long line **final paint pavement markings** after top course paving per the pavement marking inventory. Pavement marking costs shall be included in the bid cost of the top course asphalt item.

On Route 11, BIN 108400 (RM 11 3202/ 3010-3011) has a minimum vertical clearance of 14’-4”. The minimum vertical clearance shall not be reduced at the bridge location after milling and paving is complete.

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.12 Project 360450 – Route 370, Cayuga County

The project includes production cold milling to be performed by the VPP paving contractor or their designated sub-contractor within the project limits. The paving contractor will production mill the pavement on Route 370 from the Route 34 Cato to East village of Meridian line (RM 370 3102-1083 to 1109), 2.6 CL miles. The production cold milling on Route 370 includes milling an estimated 68,000 square yards at a milling depth of 1.5”.

The Paving contractor shall coordinate their paving schedule with their selected Production Cold Milling Contractor, such that the milled surface is not left open to traffic for a period longer than ten days. The contractor will be responsible to clean the milled area and keep the milled surface clean until paving. The contractor will also remove asphalt and clean around all DI’s, manholes and valve boxes. The contractor shall provide the necessary work zones, work zone signage and clean-up effort, including sweeping of the milled surface during the milling operation. The contractor will be responsible for trucking and disposal of the milled materials. The State reserves the right to retain up to 20% of the milled material and will provide hauling for that portion. All disposal locations shall be approved by the Engineer prior to disposal. All disposal operations must be done in accordance with all Federal, State, and local rules and regulations. Material removed shall be disposed of in accordance with the provisions of section 107-10 of the Standard Specifications, or as ordered by the Engineer. The contractor shall provide temporary pavement markings on the milled surface in accordance with the requirements of Section 619.xx of the Standard Specifications. The costs shall be included in the bid prices for the VPP project. Production cold milling shall be included in the bid cost of the top course asphalt item.

The paving contractor shall be responsible for miscellaneous milling and paving of the side road intersections from the edge of the mainline shoulder treatment to the rebate termination on the side road at locations listed in the rebate table. Intersections shall be milled and paved a length of 25 feet from the edge of the mainline shoulder treatment to the rebate termination location, nominal depth of 1.5”. The rebates shall be milled by the paving contractor in accordance with the rebate table of widths. The 25 feet length of milling and paving of side road intersections will be included in the bid cost of the top course asphalt item.

Signal loop replacement is required at the intersection of Route 370 and Route 34. The VPP contractor shall allow the State 5 working days after milling and before paving to allow the State or it’s signal contractor to install new signal loops in the milled surface.

As part of this contract, the contractor shall install **Centerline Audible Roadway Delineators (CARDS)** from RM 370-3102-1089 to 1096, 0.7 CL miles (3,696 LF). The contractor is required to install the CARDS in accordance with Item 649.11 and NYS Standard Sheet 649-03. All work required to complete the CARDS, including any additional temporary pavement striping as well as work zone traffic control, shall be included in the bid cost of the top course asphalt item.

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.13 Project 360451 – Routes 11, Onondaga County

The project includes production cold milling to be performed by the VPP paving contractor or their designated sub-contractor within the project limits. The paving contractor will production mill the pavement on Route 11 from Route 20 Lafayette to I-81 Southbound off ramp, Nedrow, RM 11-3303-1086 to 1139, 5.31 CL miles. The production cold milling on Route 11 includes milling an estimated 103,750 square yards at a milling depth of 2.25”.

The Paving contractor shall coordinate their paving schedule with their selected Production Cold Milling Contractor, such that the milled surface is not left open to traffic for a period longer than ten days. The contractor will be responsible to clean the milled area and keep the milled surface clean until paving. The contractor will also remove asphalt and clean around all DI’s, manholes and valve boxes. The contractor shall provide the necessary work zones, work zone signage and clean-up effort, including sweeping of the milled surface during the milling operation. The contractor will be responsible for trucking and disposal of the milled materials. All disposal locations shall be approved by the Engineer prior to disposal. All disposal operations must be done in accordance with all Federal, State, and local rules and regulations. Material removed shall be disposed of in accordance with the provisions of section 107-10 of the Standard Specifications, or as ordered by the Engineer. The contractor shall provide temporary pavement markings on the milled surface in accordance with the requirements of Section 619.xx of the Standard Specifications. The costs shall be included in the bid prices for the VPP project. Production cold milling shall be included in the bid cost of the top course asphalt item.

The paving contractor shall be responsible for miscellaneous milling and paving of the side road intersections from the edge of the mainline shoulder treatment to the rebate termination on the side road at locations listed in the rebate table. Intersections shall be milled and paved a length of 25 feet from the edge of the mainline shoulder treatment to the rebate termination location, nominal depth of 2.25”. The rebates shall be milled by the paving contractor in accordance with the rebate table of widths. The 25 feet length of milling and paving of side road intersections will be included in the bid cost of the top course asphalt item.

As part of this contract, the contractor shall install **Centerline Audible Roadway Delineators (CARDS)** on Route 11 from RM 11-3303-1086 to 1137, 5.1 CL miles (26,928 LF). The contractor is required to install the CARDS in accordance with Item 649.11 and NYS Standard Sheet 649-03. All work required to complete the CARDS, including any additional temporary pavement striping as well as work zone traffic control, shall be included in the bid cost of the top course asphalt item.

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.14 Project 360452 – Routes 173, Onondaga County

The project includes production cold milling to be performed by the VPP paving contractor or their designated sub-contractor within the project limits. The paving contractor will production mill the pavement on Route 173 from West Genesee Street to Route 175, RM 173-3301-1088 to 1134, 4.58 CL miles. The production cold milling on Route 173 includes milling an estimated 98,300 square yards at a milling depth of 2.50”.

The Paving contractor shall coordinate their paving schedule with their selected Production Cold Milling Contractor, such that the milled surface is not left open to traffic for a period longer than ten days. The contractor will be responsible to clean the milled area and keep the milled surface clean until paving. The contractor will also remove asphalt and clean around all DI’s, manholes and valve boxes. The contractor shall provide the necessary work zones, work zone signage and clean-up effort, including sweeping of the milled surface during the milling operation. The contractor will be responsible for trucking and disposal of the milled materials. All disposal locations shall be approved by the Engineer prior to disposal. All disposal operations must be done in accordance with all Federal, State, and local rules and regulations. Material removed shall be disposed of in accordance with the provisions of section 107-10 of the Standard Specifications, or as ordered by the Engineer. The contractor shall provide temporary pavement markings on the milled surface in accordance with the requirements of Section 619.xx of the Standard Specifications. The costs shall be included in the bid prices for the VPP project. Production cold milling shall be included in the bid cost of the top course asphalt item.

The paving contractor shall be responsible for miscellaneous milling and paving of the side road intersections from the edge of the mainline shoulder treatment to the rebate termination on the side road at locations listed in the rebate table. Intersections shall be milled and paved a length of 25 feet from the edge of the mainline shoulder treatment to the rebate termination location, nominal depth of 2.50”. The rebates shall be milled by the paving contractor in accordance with the rebate table of widths. The 25 feet length of milling and paving of side road intersections will be included in the bid cost of the top course asphalt item.

Signal loop replacement is required at signalized intersections on Route 173. The VPP contractor shall allow the State 5 working days after milling and before paving to allow the State or it’s signal contractor to install new signal loops in the milled surface.

There are two grade schools within the project limits, Onondaga Road Middle School and Onondaga Road Elementary School. During the school year work in and near the school zones shall not progress ½ hour before classes start until ½ hour after they start (generally 7 AM to 8 AM) and ½ hour before they dismiss until ½ hour after they dismiss (generally 2 PM to 3 PM). Exact hours of no work and restriction limits may be adjusted by the State due to traffic conditions within school zone areas.

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.15 Project 360453 – Routes 221, Cortland County

The project includes production cold milling to be performed by the VPP paving contractor or their designated sub-contractor within the project limits. The paving contractor will production mill the pavement on Route 221 from the RM 221-3201-1110 to 1120, 1.02 CL miles. The production cold milling includes milling an estimated 17,200 square yards at a milling depth of 2.25”.

The Paving contractor shall coordinate their paving schedule with their selected Production Cold Milling Contractor, such that the milled surface is not left open to traffic for a period longer than ten days. The contractor will be responsible to clean the milled area and keep the milled surface clean until paving. The contractor will also remove asphalt and clean around all DI’s, manholes and valve boxes. The contractor shall provide the necessary work zones, work zone signage and clean-up effort, including sweeping of the milled surface during the milling operation. The contractor will be responsible for trucking and disposal of the milled materials. All disposal locations shall be approved by the Engineer prior to disposal. All disposal operations must be done in accordance with all Federal, State, and local rules and regulations. Material removed shall be disposed of in accordance with the provisions of section 107-10 of the Standard Specifications, or as ordered by the Engineer. The contractor shall provide temporary pavement markings on the milled surface in accordance with the requirements of Section 619.xx of the Standard Specifications. The costs shall be included in the bid prices for the VPP project. Production cold milling shall be included in the bid cost of the top course asphalt item.

The paving contractor shall be responsible for miscellaneous milling and paving of the side road intersections from the edge of the mainline shoulder treatment to the rebate termination on the side road at locations listed in the rebate table. Intersections shall be milled and paved a length of 25 feet from the edge of the mainline shoulder treatment to the rebate termination location, nominal depth of 2.25”. The rebates shall be milled by the paving contractor in accordance with the rebate table of widths. The 25 feet length of milling and paving of side road intersections will be included in the bid cost of the top course asphalt item.

As part of this contract, the contractor shall install **Centerline Audible Roadway Delineators (CARDS)** on Route 221 from RM 221-3201-1110 to 1111, 0.1 CL miles (528 LF). The contractor is required to install the CARDS in accordance with Item 649.11 and NYS Standard Sheet 649-03. All work required to complete this work, including any additional temporary pavement striping as well as work zone traffic control, shall be included in the bid cost of the top course asphalt item.

The Contractor shall be required to install long line **final paint pavement markings** after top course paving per the pavement marking inventory. Pavement marking costs shall be included in the bid cost of the top course asphalt item.

Paving work will be performed by others at the NYS&W railroad crossing, the VPP paving contractor needs to coordinate their work schedule with the NYS&W railroad paving contractor.

This project shall be completed by Labor Day, Monday, September 5th, 2022.

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.16 Project 360454 – Route 414, Seneca County

This project requires cold recycling by others prior to paving T&L and top course asphalt, from RM 414-3504-1340 to 1369. The paving contractor is responsible to coordinate their work schedule with the State's cold recycling contractor.

The project includes production cold milling to be performed by the VPP paving contractor or their designated sub-contractor within the project limits. The paving contractor will production mill the pavement on Route 414 from the RM 414-3504-1333 to 1340, 0.7 CL miles. The production cold milling on Route 414 includes milling an estimated 17,300 square yards at a milling depth of 2.0”.

The Paving contractor shall coordinate their paving schedule with their selected Production Cold Milling Contractor, such that the milled surface is not left open to traffic for a period longer than ten days. The contractor will be responsible to clean the milled area and keep the milled surface clean until paving. The contractor will also remove asphalt and clean around all DI's, manholes and valve boxes. The contractor shall provide the necessary work zones, work zone signage and clean-up effort, including sweeping of the milled surface during the milling operation. The contractor will be responsible for trucking and disposal of the milled materials. The State reserves the right to retain up to 20% of the milled material and will provide hauling for that portion. All disposal locations shall be approved by the Engineer prior to disposal. All disposal operations must be done in accordance with all Federal, State, and local rules and regulations. Material removed shall be disposed of in accordance with the provisions of section 107-10 of the Standard Specifications, or as ordered by the Engineer. The contractor shall provide temporary pavement markings on the milled surface in accordance with the requirements of Section 619.xx of the Standard Specifications. The costs shall be included in the bid prices for the VPP project. Production cold milling shall be included in the bid cost of the top course asphalt item.

The paving contractor shall be responsible for miscellaneous milling and paving of the side road intersections from the edge of the mainline shoulder treatment to the rebate termination on the side road at locations listed in the rebate table. Intersections shall be milled and paved a length of 25 feet from the edge of the mainline shoulder treatment to the rebate termination location, nominal depth of 1.5”. The rebates shall be milled by the paving contractor in accordance with the rebate table of widths. The 25 feet length of milling and paving of side road intersections will be included in the bid cost of the top course asphalt item.

As part of this contract, the contractor shall install **Centerline Audible Roadway Delineators (CARDS)** from the Thruway Bridge to the Wayne County Line (RM 414-3504-1333 to 1369), 3.6 CL miles, (19,008 LF). The contractor is required to install the CARDS in accordance with Item 649.11 and NYS Standard Sheet 649-03. All work required to complete the CARDS, including any additional temporary pavement striping as well as work zone traffic control, shall be included in the bid cost of the top course asphalt item.

The Contractor shall be required to install long line **final paint pavement markings** after top course paving per the pavement marking inventory. Pavement marking costs shall be included in the bid cost of the top course asphalt item.

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.17 Project 360455 – Routes 11, Onondaga County

The project includes production cold milling to be performed by the VPP paving contractor or their designated sub-contractor within the project limits. The paving contractor will production mill the pavement on Route 11 from Route 31 to the Oswego County Line (RM 11-3303-3069 to 3116), 4.67 CL miles. The production cold milling on Route 11 includes milling an estimated 119,000 square yards at a milling depth of 2.25”.

The Paving contractor shall coordinate their paving schedule with their selected Production Cold Milling Contractor, such that the milled surface is not left open to traffic for a period longer than ten days. The contractor will be responsible to clean the milled area and keep the milled surface clean until paving. The contractor will also remove asphalt and clean around all DI’s, manholes and valve boxes. The contractor shall provide the necessary work zones, work zone signage and clean-up effort, including sweeping of the milled surface during the milling operation. The contractor will be responsible for trucking and disposal of the milled materials. All disposal locations shall be approved by the Engineer prior to disposal. All disposal operations must be done in accordance with all Federal, State, and local rules and regulations. Material removed shall be disposed of in accordance with the provisions of section 107-10 of the Standard Specifications, or as ordered by the Engineer. The contractor shall provide temporary pavement markings on the milled surface in accordance with the requirements of Section 619.xx of the Standard Specifications. The costs shall be included in the bid prices for the VPP project. Production cold milling shall be included in the bid cost of the top course asphalt item.

The paving contractor shall be responsible for miscellaneous milling and paving of the side road intersections from the edge of the mainline shoulder treatment to the rebate termination on the side road at locations listed in the rebate table. Intersections shall be milled and paved a length of 25 feet from the edge of the mainline shoulder treatment to the rebate termination location, nominal depth of 2.25”. The rebates shall be milled by the paving contractor in accordance with the rebate table of widths. The 25 feet length of milling and paving of side road intersections will be included in the bid cost of the top course asphalt item.

As part of this contract, the contractor shall install **Centerline Audible Roadway Delineators (CARDS)** on Route 11 from RM 11-3303-3073 to 3097, 2.4 CL miles (12,672 LF) and **Shoulder Audible Roadway Delineators (SHARDS)** from RM 11-3303-3082 to 3097, 3.0 shoulder miles (15,840 LF). The contractor is required to install the CARDS and SHARDS in accordance with Item 649.11 and NYS Standard Sheet 649-03. All work required to complete the CARDS and SHARDS, including any additional temporary pavement striping as well as work zone traffic control, shall be included in the bid cost of the top course asphalt item.

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.18 Project 360456 – Route 90, Cayuga County

The project includes production cold milling to be performed by the VPP paving contractor or their designated sub-contractor within the project limits. The paving contractor will production mill the pavement on Route 90 from the Cortland county line to Route 38, Locke (RM 90-3102-1000 to 1088), 8.78 CL miles. The production cold milling on Route 90 includes milling an estimated 180,000 square yards at a milling depth of 2.0”.

The Paving contractor shall coordinate their paving schedule with their selected Production Cold Milling Contractor, such that the milled surface is not left open to traffic for a period longer than ten days. The contractor will be responsible to clean the milled area and keep the milled surface clean until paving. The contractor will also remove asphalt and clean around all DI’s, manholes and valve boxes. The contractor shall provide the necessary work zones, work zone signage and clean-up effort, including sweeping of the milled surface during the milling operation. The contractor will be responsible for trucking and disposal of the milled materials. The State reserves the right to retain up to 20% of the milled material and will provide hauling for that portion. All disposal locations shall be approved by the Engineer prior to disposal. All disposal operations must be done in accordance with all Federal, State, and local rules and regulations. Material removed shall be disposed of in accordance with the provisions of section 107-10 of the Standard Specifications, or as ordered by the Engineer. The contractor shall provide temporary pavement markings on the milled surface in accordance with the requirements of Section 619.xx of the Standard Specifications. The costs shall be included in the bid prices for the VPP project. Production cold milling shall be included in the bid cost of the top course asphalt item.

The paving contractor shall be responsible for miscellaneous milling and paving of the side road intersections from the edge of the mainline shoulder treatment to the rebate termination on the side road at locations listed in the rebate table. Intersections shall be milled and paved a length of 25 feet from the edge of the mainline shoulder treatment to the rebate termination location, nominal depth of 1.5”. The rebates shall be milled by the paving contractor in accordance with the rebate table of widths. The 25 feet length of milling and paving of side road intersections will be included in the bid cost of the top course asphalt item.

As part of this contract, the contractor shall install on Route 90 **Centerline Audible Roadway Delineators (CARDS)** from RM 90-3102-1000 to 1085, 8.5 CL miles (44,880 LF) and **Shoulder Audible Roadway Delineators (SHARDS)** from RM 90-3102-1031 to 1085, 10.8 shoulder miles (57,024 LF). The contractor is required to install the CARDS and SHARDS in accordance with Item 649.11 and NYS Standard Sheet 649-03. All work required to complete the CARDS and SHARDS, including any additional temporary pavement striping as well as work zone traffic control, shall be included in the bid cost of the top course asphalt item.

This project includes milling and paving of the Truck/Bus Brake Check area at RM 90-3102-1071 to 1073. Dimensions are 550 feet long x 15 feet wide.

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.19 Project 360457 – Route 13, Tompkins County

The project includes production cold milling to be performed by the VPP paving contractor or their designated sub-contractor within the project limits. The paving contractor will production mill the pavement on Route 13 from East of Irish Settlement Road to Bahar Drive, RM 13-3603-3109 to 3132, 2.29 CL miles. The production cold milling on Route 13 includes milling an estimated 64,000 square yards at a milling depth of 2.25”.

The Paving contractor shall coordinate their paving schedule with their selected Production Cold Milling Contractor, such that the milled surface is not left open to traffic for a period longer than ten days. The contractor will be responsible to clean the milled area and keep the milled surface clean until paving. The contractor will also remove asphalt and clean around all DI’s, manholes and valve boxes. The contractor shall provide the necessary work zones, work zone signage and clean-up effort, including sweeping of the milled surface during the milling operation. The contractor will be responsible for trucking and disposal of the milled materials. All disposal locations shall be approved by the Engineer prior to disposal. All disposal operations must be done in accordance with all Federal, State, and local rules and regulations. Material removed shall be disposed of in accordance with the provisions of section 107-10 of the Standard Specifications, or as ordered by the Engineer. The contractor shall provide temporary pavement markings on the milled surface in accordance with the requirements of Section 619.xx of the Standard Specifications. The costs shall be included in the bid prices for the VPP project. Production cold milling shall be included in the bid cost of the top course asphalt item.

The paving contractor shall be responsible for miscellaneous milling and paving of the side road intersections from the edge of the mainline shoulder treatment to the rebate termination on the side road at locations listed in the rebate table. Intersections shall be milled and paved a length of 25 feet from the edge of the mainline shoulder treatment to the rebate termination location, nominal depth of 2.25”. The rebates shall be milled by the paving contractor in accordance with the rebate table of widths. The 25 feet length of milling and paving of side road intersections will be included in the bid cost of the top course asphalt item.

As part of this contract, the contractor shall install **Centerline Audible Roadway Delineators (CARDS)** from RM 13-3603-3109 to 3113 and from 3127 to 3131, 0.8 CL miles (4,224 LF). The contractor is required to install the CARDS in accordance with Item 649.11 and NYS Standard Sheet 649-03. All work required to complete the CARDS, including any additional temporary pavement striping as well as work zone traffic control, shall be included in the bid cost of the top course asphalt item.

The Contractor shall be required to install long line **final paint pavement markings** after top course paving per the pavement marking inventory. Pavement marking costs shall be included in the bid cost of the top course asphalt item.

SECTION 5: PROJECTS - SPECIAL NOTES (NYSDOT REGION 3)

5.20 Project 360458 – Route 79, Tompkins County

This project will have a heater scarification treatment by others prior to paving. The VPP paving contractor is responsible to coordinate their work schedule with the heater scarification contractor.

The project includes production cold milling to be performed by the VPP paving contractor or their designated sub-contractor within the project limits. The paving contractor will production mill the pavement on Route 79 in the curb section (RM 79-3605-1034 to 1043) 0.9 CL miles. The production cold milling on Route 79 includes milling an estimated 9,000 square yards at a milling depth of 2.25”.

The Paving contractor shall coordinate their paving schedule with their selected Production Cold Milling Contractor, such that the milled surface is not left open to traffic for a period longer than ten days. The contractor will be responsible to clean the milled area and keep the milled surface clean until paving. The contractor will also remove asphalt and clean around all DI’s, manholes and valve boxes. The contractor shall provide the necessary work zones, work zone signage and clean-up effort, including sweeping of the milled surface during the milling operation. The contractor will be responsible for trucking and disposal of the milled materials. The State reserves the right to retain up to 20% of the milled material and will provide hauling for that portion. All disposal locations shall be approved by the Engineer prior to disposal. All disposal operations must be done in accordance with all Federal, State, and local rules and regulations. Material removed shall be disposed of in accordance with the provisions of section 107-10 of the Standard Specifications, or as ordered by the Engineer. The contractor shall provide temporary pavement markings on the milled surface in accordance with the requirements of Section 619.xx of the Standard Specifications. The costs shall be included in the bid prices for the VPP project. Production cold milling shall be included in the bid cost of the top course asphalt item.

The paving contractor shall be responsible for miscellaneous milling and paving of the side road intersections from the edge of the mainline shoulder treatment to the rebate termination on the side road at locations listed in the rebate table. Intersections shall be milled and paved a length of 25 feet from the edge of the mainline shoulder treatment to the rebate termination location, nominal depth of 2.25”. The rebates shall be milled by the paving contractor in accordance with the rebate table of widths. The 25 feet length of milling and paving of side road intersections will be included in the bid cost of the top course asphalt item.

As part of this contract, the contractor shall install on Route 79 **Centerline Audible Roadway Delineators (CARDS)** from RM 79-3605-1000 to 1035 and RM 79-3605-1042 to 1112, 10.5 CL miles (55,440 LF) and **Shoulder Audible Roadway Delineators (SHARDS)** from RM 79-3605-1000 to 1035, 7.0 shoulder miles (36,960 LF). The contractor is required to install the CARDS and SHARDS in accordance with Item 649.11 and NYS Standard Sheet 649-03. All work required to complete the CARDS and SHARDS, including any additional temporary pavement striping as well as work zone traffic control, shall be included in the bid cost of the top course asphalt item.

The Contractor shall be required to install long line **final paint pavement markings** after top course paving per the pavement marking inventory. Pavement marking costs shall be included in the bid cost of the top course asphalt item.

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.1 Special Note – Region 4 Projects

1. Local fire, police, ambulance, and school authorities shall be notified by the Contractor prior to commencing work in order to maintain sufficient emergency services and to allow school officials sufficient time to plan alternative bus routes, if necessary.
2. Prior to the start of work, the contractor shall inventory all pavement markings and provide the engineer with a copy of the inventory. As part of a pavement marking program update, the Regional Traffic and Safety group is reviewing all pavement markings within the limits of paving projects. Upon their review, there may need to be adjustments to the pavement marking layout. The contractor shall be responsible for completing striping layout, including changes as indicated by the Regional Traffic and Safety Group.
3. The contractor shall remove any plowable reflective markers in the pavement, if present, prior to paving. The hole left in the existing pavement, shall then be filled with a hot/warm mix asphalt material; 9.5 mixture, or mixture approved by the Resident Engineer. Cost to be included in the bid price for the associated project.
4. Contractor shall use non-vibratory rolling over culverts or known utilities within the project limits or as ordered by the engineer in charge. Specific locations for non-vibratory rolling will be discussed at the pre-pave meeting.
5. All Truing and Leveling courses, if required, shall be as indicated in the Superpave Warm Mix Asphalt Design Criteria Table.
6. Some projects may require loop detectors to be re-established prior to or once paving has been completed. This will be done by others and coordinated by the Resident Engineer.
7. The installation of temporary rumble strips at the beginning of each project work zone shall be at the discretion of the engineer.
8. Any and all debris generated as part of the work shall be removed by the contractor within five days of completion of paving operations.

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.2 Special Note – Temporary Lane/Shoulder Closure Restrictions for Major Holidays- Region 4

There shall be no temporary lane/shoulder closures on roadway facilities owned and/or maintained by NYSDOT on the major holidays listed below.

Construction activities that will result in temporary lane/shoulder closures shall be suspended to minimize travel delays associated with road work for major holidays as follows:

HOLIDAY	FALLS ON	TEMPORARY LANE CLOSURES ARE NOT ALLOWED DURING THE FOLLOWING TIMES
	Sunday or Monday	From 6:00 AM on the Friday before the holiday to 6:00 AM on the Tuesday after the holiday.
Independence Day	Monday	From 6:00 AM on the Friday before the holiday to 6:00 AM on the Tuesday after the holiday.
Christmas Day	Sunday	From 6:00 AM on the Friday before the holiday to 6:00 AM on the Tuesday after the holiday.
	Friday or Saturday	From 6:00 AM on the Thursday before the holiday to 6:00 AM on the Monday after the holiday.
Memorial Day Labor Day	Monday	From 6:00 AM on the Friday before the holiday to 6:00 AM on the Tuesday after the holiday.
Thanksgiving Day	Thursday	From 6:00 AM on the Wednesday before the holiday to 6:00 AM on the Monday after the holiday.

Exceptions can only be made under the following conditions:

- Emergency work.
- Work within long-term stationary lane/shoulder closures.
- Safety work that does not adversely impact traffic mobility and has been authorized by the Regional Traffic Engineer.

Note: The Department reserves the right to cancel any work operations, including lane closures and/or total road closures, that would create traffic delays by unforeseen events. The Contractor would be notified at least seven (7) calendar days prior to the proposed work.

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.3 Project 401447 – Wayne County, Route 14

1. This project is a hot-in-place recycling (heater scarification) with single course overlay. The overlay will be applied to the full pavement width, from curb to curb, including travel lanes and shoulders.
2. The Contractor will be required to **inventory existing pavement marking, production cold milling** of the surface, installation and removal of **temporary WMA ramp wedges, miscellaneous (side street apron, and intersection radiuses) milling, cleaning** the milled surface, place **production and miscellaneous (side street apron and intersection radiuses) WMA**, install temporary and permanent (paint) **pavement markings, CARDS installation, and associated Work Zone Traffic Control. All required items, listed above, shall be included in the bid price for the overlay items.** Heater Scarification, shoulder backup, traffic signal inductance loops, special pavement markings, and second application of permanent pavement markings will be completed by others. Coordination will be required between the Contractor and NYSDOT to schedule work operations.

Side street apron mill and inlay / offset from existing edge of pavement:

- a. Route 31 (West) / 104' (back of signal loops)
- b. Route 31 (East) / 90' (back of signal loops)

Side street apron inlay / offset from existing edge of pavement:

- a. Alloway Road (West) / 12'
- b. Alloway Road (East) / 12'
- c. Hale Street / 12'
- d. Water Street / 12'
- e. Westphal Parkway / 12'
- f. Sohn Alloway Road / 12'
- g. Gristmill Drive / 12'
- h. Dunn Road / 12'

3. The Contractor shall coordinate their work so as not to conflict with other projects occurring within or abutting the contract limits. This includes but is not limited to any work by other contractors, utility companies, municipalities or maintenance operations. It is expected that the following projects will be under construction during construction of this contract:

6.3.1.1 4031.94 – Route 31 over Erie Canal (BIN 4021760)

4. WZTC typicals are expected to be 619-60 – Single Lane Closure with Flagging and 619-61 – Intersection Flagging.
5. Time Restrictions:
 - a. Major Holiday Lane Restriction Special Note applies to this project.
 - b. No Flagging time restrictions
6. At the commencement of milling, the Contractor's milling equipment shall remain onsite until final demobilization. At the commencement of WMA placement, the Contractor's paver shall remain onsite until final demobilization.

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.3 Project 401447 – Wayne County, Route 14 (Cont'd)

7. WMA series specifications shall be 75 gyrations.
8. **The Contractor is advised that approximately 10,124 square yards of production milling exists within the project limits, on both CSX bridge approach touchdown limits, the bridge over CSX, and the intersection of Route 31. The Contractor is required to mill the project limits at a depth of 1 inch and includes using other tools for pavement removal and cleaning around all DI's, manholes, valve boxes, and radiuses, to match the surrounding milling depth. The Contractor shall schedule milling and paving operations such that the milled surface is not left open to traffic for a period longer than 7 calendar days.**

All millings shall become the property of the Contractor. The Contractor shall be responsible for milling collection, trucking, off-site disposal and sweeping prior to opening to traffic. The cost of all associated milling work, including any additional temporary pavement markings as well as associated work zone traffic control, shall be included in the overlay item bid price.

9. The Contractor shall inventory existing pavement markings and shall install permanent pavement marking in accordance with Item 640.20, Item 640.21, and NYS Standard Sheets 685-01. The cost of all associated pavement marking work, including work zone traffic control, shall be included in the bid price of the overlay item.
10. Contractor will provide a milled rebate at the roadside edge of all paved driveways. Contractor is responsible for matching the new pavement at the same grade and elevation as the existing paved driveways. Contractor will correct any identified deficiencies at paved driveways not meeting this requirement, as determined by the Engineer. The cost of all associated driveway work, including work zone traffic control, rebate, sweeping, asphalt, and compaction shall be included in the bid price of the overlay item.
11. **The Contractor is advised that approximately 2.25 miles of the project meet the criteria for Centerline Audible Roadway Delineators (CARDS), as described in EI 13-021. The Contractor shall include the installation of CARDS as part of the overlay scope of work. 45 days (minimum) after the completion of the overlay, the Contractor shall install cards in accordance with Item 649.11 and NYS Standard Sheet 649-03. The cost of all associated CARDS work, including layout, sweeping, and work zone traffic control, shall be included in the bid price of the overlay item. NYSDOT will install the second application of permanent striping after CARDS installation.**

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.4 Project 403195 – Orleans County, Route 31

1. This project is a hot-in-place recycling (heater scarification) with single course overlay. The overlay will be applied to the full pavement width, including travel lanes, parking lanes, and shoulders.
2. The Contractor will be required to cut terminus and side street **rebates, clean the surface, inventory existing pavement markings, 1” production cold milling** of the curbed area surface, installation and removal of **temporary WMA ramp wedges, place production and miscellaneous (side street apron) WMA, install temporary and permanent (paint) pavement markings, CARDS and SHARDS installation, and associated Work Zone Traffic Control shall be included in the bid price for the overlay item.** Heater scarification, shoulder backup, signal inductance loop detectors, and special pavement markings will be completed by others. Coordination will be required between the Contractor and NYSDOT to schedule work operations.

Side street apron / offset from existing edge of pavement:

- a. None
3. WZTC typicals are expected to be 619-60 – Single Lane Closure with Flagging and 619-61 – Intersection Flagging.
4. Time Restrictions:
 - a. Major Holiday Lane Restriction Special Note applies to this project.
 - b. Flagging prohibited within the Village limits from 4PM to 6PM.
5. At the commencement of milling, the Contractor’s milling equipment shall remain onsite until final demobilization. At the commencement of WMA placement, the Contractor’s paver shall remain onsite until final demobilization.
6. HMA series specifications shall be 75 gyrations.
7. **The Contactor is advised that approximately 16,253 square yards of production milling exists within the project limits and includes travel lanes, parking lanes, and shoulders in the curbed area and BIN 1021540 (approaches), BIN 1021520, and BIN 1021530. The Contractor is required to mill the curbed area and BINs at a depth of 1 inch and includes using other tools for pavement removal and cleaning around all DI’s, manholes, and valve boxes to match the surrounding milling depth. The Contractor shall schedule milling and paving operations such that the milled surface is not left open to traffic for a period longer than 7 calendar days.**

All millings shall become the property of NYSDOT. The Contractor shall include trucking millings to the NYSDOT yard at 14110 Route 31 West, Albion. Point of contact is Mike Napoline at 585-589-6655. The Contractor shall sweep prior to opening to traffic. The cost of all associated milling work, including any additional temporary pavement markings as well as associated work zone traffic control, shall be included in the overlay item bid price.

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.4 Project 403195 – Orleans County, Route 31 (Cont'd)

8. The Contractor shall inventory existing pavement markings and shall install interim pavement marking in accordance with Item 640.20, Item 640.21, and NYS Standard Sheets 685-01. Contractor shall install interim pavement markings outside of milled areas and permanent markings in milled areas. The cost of all associated pavement marking work, including work zone traffic control, shall be included in the bid price of the overlay item.

9. **The Contractor is advised that approximately 7.49 miles of the project meet the criteria for Centerline Audible Roadway Delineators (CARDS), and 14.98 shoulder miles for Secondary Highway Audible Roadway Delineators (SHARDS), as described in EI 13-021. The Contractor shall include the installation of CARDS and SHARDS as part of the overlay scope of work. 45 days (minimum) after the completion of the overlay, the Contractor shall install CARDS and SHARDS in accordance with Item 649.11, 649.21, and NYS Standard Sheet 649-03 and 649-04. The cost of all associated CARDS and SHARDS work, including layout, temporary pavement markings, sweeping, and work zone traffic control, shall be included in the bid price of the overlay item. NYSDOT will install the second application of permanent striping after CARDS and SHARDS installation.**

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.5 Project 403373 – Genesee County, Route 33

1. This project is a hot-in-place recycling (heater scarification) with single course overlay. The overlay will be applied to the full pavement width, including travel lanes and shoulders.
2. The Contractor will be required to cut terminus and side street **rebates, clean the surface, inventory existing pavement marking, 1” production cold milling** of the curbed area surface, installation and removal of **temporary WMA ramp wedges, place production and miscellaneous (side street apron) WMA**, install temporary, interim, and permanent (paint) **pavement markings, CARDS and SHARDS installation, and associated Work Zone Traffic Control shall be included in the bid price for the overlay item.** Heater scarification, shoulder backup, signal inductance loop detectors, and special pavement markings will be completed by others. Coordination will be required between the Contractor and NYSDOT to schedule work operations.

Side street apron / offset from existing edge of pavement:

- a. Fargo Road / 12 feet to stop sign
 - b. Prospect Street to curb terminus
3. WZTC typicals are expected to be 619-60 – Single Lane Closure with Flagging and 619-61 – Intersection Flagging.
 4. Time Restrictions:
 - a. Major Holiday Lane Restriction Special Note applies to this project.
 - b. No flagging time restrictions.
 5. At the commencement of milling, the Contractor’s milling equipment shall remain onsite until final demobilization. At the commencement of WMA placement, the Contractor’s paver shall remain onsite until final demobilization.
 6. Route 33 has a high-pressure gas main in close proximity and under sections of the paved shoulder. A National Fuel Gas representative is required to be on site during vibratory compaction. Contractor shall coordinate with National Fuel Gas to have a representative on site during vibratory compaction. Areas where the high-pressure gas main is under the paved shoulder of Route 33 will require static rolling only – no vibratory compaction.
 7. HMA series specifications shall be 75 gyrations.
 8. **The Contactor is advised that approximately 10,300 square yards of production milling exists within the project limits and includes travel lanes and shoulders in the curbed area. The Contractor is required to mill the curbed area at a depth of 1 inch and includes using other tools for pavement removal and cleaning around all DI’s, manholes, and valve boxes to match the surrounding milling depth. The Contractor shall schedule milling and paving operations such that the milled surface is not left open to traffic for a period longer than 7 calendar days.**

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.5 Project 403373 – Genesee County, Route 33 (Cont'd)

- All millings shall become the property of NYSDOT. The Contractor shall include the trucking of millings to the weight station pull-off on Route 33 (RM 33-4201-1002) and sweeping prior to opening to traffic. The cost of all associated milling and hauling work, including any additional temporary pavement markings as well as associated work zone traffic control, shall be included in the overlay item bid price.**
9. The Contractor shall inventory existing pavement markings and shall install interim paint. All associated interim pavement marking work, including work zone traffic control, shall be included in the bid price of the overlay item.
 10. **The Contractor is advised that approximately 2.62 miles of the project meet the criteria for Centerline Audible Roadway Delineators (CARDS), and 5.24 shoulder miles for Secondary Highway Audible Roadway Delineators (SHARDS), as described in EI 13-021. The Contractor shall include the installation of CARDS and SHARDS as part of the overlay scope of work. 45 days (minimum) after the completion of the overlay, the Contractor shall install CARDS and SHARDS in accordance with Item 649.11, 649.21, and NYS Standard Sheet 649-03 and 649-04. The cost of all associated CARDS and SHARDS work, including layout, temporary pavement markings, sweeping, and work zone traffic control, shall be included in the bid price of the overlay item. NYSDOT will install the second application of permanent striping after CARDS and SHARDS installation.**
 11. Contractor's operations shall be removed from the pavement of Route 33/77 by 15:00 on dates Darien Lake Theme Park (Live Nation) has special events. Contractor shall contract Andrew McDonald, Regional Operations Manager, Upstate Darien Lake Amphitheater at 716-428-5931 or Andrew.McDonald@livenation.com for an updated special event schedule.

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.6 Project 403964 – Wyoming County, Route 19

1. This project is a 1.5 inch, WMA, mill and inlay project. WMA milling and inlay will include the full pavement width, from curb to curb, gutter to gutter, travel lanes, parking lanes, and shoulders.
2. The Contractor will be required to **inventory existing pavement marking, production cold milling** of the surface, installation and removal of **temporary WMA ramp wedges**, miscellaneous **side street apron milling, cleaning** the milled surface, place **production and miscellaneous (side street apron) WMA**, install temporary and permanent (paint) **pavement markings, CARDS installation**, and **associated Work Zone Traffic Control**. **All required items, listed above, shall be included in the bid price for the overlay items**. Shoulder backup, traffic signal inductance loops, drainage frame and grate adjustments, special pavement markings, and second application of permanent pavement markings will be completed by others. Coordination will be required between the Contractor and NYSDOT to schedule work operations.

Side street apron mill and inlay / offset from existing edge of pavement:

- a. Route 39 access to Route 19A (House Number 5768) / 71 feet
 - b. Intersection of Route 39 and Griffith Road, One Way Slip Ramp / 200 feet
 - c. Intersection of Route 39 and Griffith Road, / 600 feet West of Route 19
 - d. Main Street (Pike) / 37 feet to stop bar
 - e. Dowd Road / 72 feet to stop bar
3. The Contractor shall coordinate their work so as not to conflict with other projects occurring within or abutting the contract limits. This includes but is not limited to any work by other contractors, utility companies, municipalities or maintenance operations. It is expected that the following projects will be under construction during construction of this contract:
 - a. BIN 1015080, in the Village of Pike, bridge deck membrane installation by State forces.
 4. WZTC typicals are expected to be 619-60 – Single Lane Closure with Flagging and 619-61 – Intersection Flagging.
 5. Time Restrictions:
 - a. Major Holiday Lane Restriction Special Note applies to this project.
 - b. No flagging time restrictions.
 6. At the commencement of milling, the Contractor's milling equipment shall remain onsite until final demobilization. At the commencement of WMA placement, the Contractor's paver shall remain onsite until final demobilization.
 7. WMA series specifications shall be 9.5 with 1's and 50 gyrations.
 8. The paving operations shall be progressed in a segment by segment basis. No longitudinal paving joints shall be allowed at the end of the workday. The segments shall be based on the Contractor's daily work capacity and shall not end within an intersection.

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.6 Project 403964 – Wyoming County, Route 19 (Cont'd)

9. The Contractor is advised that approximately 171,353 square yards of production milling exists within the project limits and includes milling the curbed and parking area in the Village of Pike, from curb to curb and over BIN 1024610 (East of Lamont Road). Contractor shall match the parking area inverted crown profile in the Village of Pike. The Contractor is required to mill the project limits at a depth of 1.5 inches and includes using other tools for pavement removal and cleaning around all DI's, manholes, and valve boxes to match the surrounding milling depth. The Contractor shall schedule milling and paving operations such that the milled surface is not left open to traffic for a period longer than 7 calendar days.

The Contractor is advised that approximately 200 square yards of miscellaneous milling for deep pavement repairs, exists within the project limits at the following locations:

- BIN 1015080 in the Village of Pike.

Before the milling operation, the Contractor shall periodically measure the pavement width, layout a new pavement centerline for the mill to follow, and re-establish the pavement crown in the center of the pavement. The intention is to establish equal travel lane and shoulder widths for each travel direction.

The Contractor is advised that miscellaneous milling of side streets exists within the project limits. The Contractor shall schedule miscellaneous milling and paving operations such that the milled surface is not left open to traffic for a period longer than 10 calendar days.

All millings shall become the property of the Contractor with the following exception. The Contractor shall allow NYSDOT trucks to get in the milling conveyor line, for NYSDOT collection and disposal. NYSDOT trucks are not a guarantee for milling removal and it is at the discretion of the Resident Engineer, based on available resources. The Contractor shall be responsible for milling collection, trucking, off-site disposal and sweeping prior to opening to traffic. The cost of all associated milling work, including any additional temporary pavement markings as well as associated work zone traffic control, shall be included in the overlay item bid price.

10. The Contractor shall inventory existing pavement markings and shall install permanent pavement marking in accordance with Item 640.20, Item 640.21, and NYS Standard Sheets 685-01. The cost of all associated pavement marking work, including work zone traffic control, shall be included in the bid price of the overlay item.

Contractor shall change the lane width to 11-foot wide lanes.

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.6 Project 403964 – Wyoming County, Route 19 (Cont'd)

- 11. The Contractor is advised that approximately 0.5 miles of the project meet the criteria for Centerline Audible Roadway Delineators (CARDS), in the Route 19 and Route 39 overlap, as described in EI 13-021. The Contractor shall include the installation of CARDS as part of the overlay scope of work. 45 days (minimum) after the completion of the overlay, the Contractor shall install cards in accordance with Item 649.11 and NYS Standard Sheet 649-03. The cost of all associated CARDS work, including layout, sweeping, and work zone traffic control, shall be included in the bid price of the overlay item. NYSDOT will install the second application of permanent striping after CARDS installation.**

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.7 Project 405300 – Ontario County, Route 53

1. This project is a 3.5 inch, multi-course, WMA, mill and inlay project. WMA milling and inlay will include the full pavement width, travel lanes and shoulders.
2. The Contractor will be required to **inventory existing pavement marking, 3” production cold milling** of the surface, installation and removal of **temporary WMA ramp wedges, cleaning** the milled surface, place **production and miscellaneous (side street apron) WMA**, install temporary and permanent (paint) **pavement markings, CARDS installation, and associated Work Zone Traffic Control. All required items, listed above, shall be included in the bid price for the overlay items.** Shoulder backup, special pavement markings, and second application of permanent pavement markings will be completed by others. Coordination will be required between the Contractor and NYSDOT to schedule work operations.

Side street apron mill (A.O.B.E) and inlay / offset from existing edge of pavement:

- a. Italy Valley Road / 50 feet to stop sign
 - b. Pressler Road / 24 feet to stop sign
 - c. Lawyer Road / 13 feet to stop sign
3. The Contractor shall coordinate their work so as not to conflict with other projects occurring within or abutting the contract limits. This includes but is not limited to any work by other contractors, utility companies, municipalities or maintenance operations. It is expected that the following projects will be under construction during construction of this contract:
 - a. none
 4. WZTC typicals are expected to be 619-60 – Single Lane Closure with Flagging and 619-61 – Intersection Flagging.
 5. Time Restrictions:
 - a. Major Holiday Lane Restriction Special Note applies to this project.
 - b. No flagging time restrictions.
 6. At the commencement of milling, the Contractor’s milling equipment shall remain onsite until final demobilization. At the commencement of WMA placement, the Contractor’s paver shall remain onsite until final demobilization.
 7. WMA series specifications shall be 9.5 with 1’s and 19mm, 50 gyrations.
 8. **The Contactor is advised that approximately 40,128 square yards of production milling exists within the project limits and includes travel lanes and shoulders. The Contractor is required to mill the project limits at a depth of 3 inches and includes using other tools for pavement removal and cleaning around all DI’s, manholes, and valve boxes to match the surrounding milling depth. The Contractor shall schedule milling and paving operations such that the milled surface is not left open to traffic for a period longer than 7 calendar days.**

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.7 Project 405300 – Ontario County, Route 53 (Cont'd)

Before the milling operation, the Contractor shall periodically measure the pavement width, layout a new pavement centerline for the mill to follow, and re-establish the pavement crown in the center of the pavement. The intention is to establish equal travel lane and shoulder widths for each travel direction.

The Contractor is advised that miscellaneous milling of side streets exists within the project limits, side street aprons are listed above. The Contractor shall schedule milling and paving operations such that the milled surface is not left open to traffic for a period longer than 10 calendar days.

All millings shall become the property of the Contractor. The Contractor shall be responsible for milling collection, trucking, off-site disposal and sweeping prior to opening to traffic. The cost of all associated milling work, including any additional temporary pavement markings as well as associated work zone traffic control, shall be included in the overlay item bid price.

9. The Contractor shall inventory existing pavement markings and shall install permanent pavement marking in accordance with Item 640.20, Item 640.21, and NYS Standard Sheets 685-01. The cost of all associated pavement marking work, including work zone traffic control, shall be included in the bid price of the overlay item.

Contractor shall change the lane width to 11-foot wide lanes.

10. Contractor will provide a milled rebate at the roadside edge of all paved driveways. Contractor is responsible for matching the new pavement at the same grade and elevation as the existing paved driveways. Contractor will correct any identified deficiencies at paved driveways not meeting this requirement, as determined by the Engineer. The cost of all associated driveway work, including work zone traffic control, rebate, sweeping, asphalt, and compaction shall be included in the bid price of the overlay item.
11. **The Contractor is advised that approximately 1.56 miles of the project meet the criteria for Centerline Audible Roadway Delineators (CARDS), as described in EI 13-021. The Contractor shall include the installation of CARDS as part of the overlay scope of work. 45 days (minimum) after the completion of the overlay, the Contractor shall install cards in accordance with Item 649.11 and NYS Standard Sheet 649-03. The cost of all associated CARDS work, including layout, sweeping, and work zone traffic control, shall be included in the bid price of the overlay item. NYSDOT will install the second application of permanent striping after CARDS installation.**

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.8 Project 406362 – Livingston County, Route 63

1. This project is a hot-in-place recycling (heater scarification) with single course overlay. The overlay will be applied to the full pavement width, from curb to curb, including travel lanes, and shoulders.
2. The Contractor will be required to **inventory existing pavement marking, production cold milling** of the surface, installation and removal of **temporary WMA ramp wedges, miscellaneous (side street apron, bridges, and intersection radiuses) milling, cleaning** the milled surface, place **production and miscellaneous (side street apron and intersection radiuses) WMA**, install temporary and permanent (paint) **pavement markings, and associated Work Zone Traffic Control. All required items, listed above, shall be included in the bid price for the overlay items.** Heater Scarification, shoulder backup, special pavement markings, and DI frame and grate adjustments will be completed by others. Coordination will be required between the Contractor and NYSDOT to schedule work operations.

Side street apron milling and inlay / offset from existing edge of pavement:

- a. Route 258 / 12'

Side street apron inlay / offset from existing edge of pavement

- a. Route 258 / 12'
- b. Groveland Fire Department Driveway / 12'
- c. Groveland Scottsburg Road / 12'
- d. Church Street / 12'
- e. Wise Road / 12'
- f. Pioneer Road / 12'
- g. Swan Hill Road / 12'
- h. Livingston County Highway Department Driveway / 12'
- i. Kid Start Driveway / 12'
- j. Commercial Driveway (5861) / 12'
- k. State Police Department Driveway (5831) / 12'
- l. E. Groveland Road / 12'

3. The Contractor shall coordinate their work so as not to conflict with other projects occurring within or abutting the contract limits. This includes but is not limited to any work by other contractors, utility companies, municipalities or maintenance operations. It is expected that the following projects will be under construction during construction of this contract:
 - a. 4063.65 – Route 63 from Dansville to Route 258, Cold-in-Place Recycle
 - b. 4T38.00 – Culvert Rehab/Replace, Route 408 at I-390
 - c. 4408.10 – Reconstruct Route 408 at I-390
4. WZTC typicals are expected to be 619-60 – Single Lane Closure with Flagging and 619-61 – Intersection Flagging.
5. Time Restrictions:
 - a. Major Holiday Lane Restriction Special Note applies to this project.
 - b. No flagging time restrictions.

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.8 Project 406362 – Livingston County, Route 63 (Cont'd)

6. At the commencement of milling, the Contractor's milling equipment shall remain onsite until final demobilization. At the commencement of WMA placement, the Contractor's paver shall remain onsite until final demobilization.
7. WMA series specifications shall be 50 gyrations.
8. **The Contactor is advised that approximately 6,653 square yards of production and miscellaneous milling exists within the project limits at the following locations: Northern Terminus transition to Heater Scarification, BIN 1028680, BIN 1028690, BIN 1028670, Southern terminus curbed section, and all intersection approaches at Route 258/63. The Contractor is required to mill the project limits at a depth of 1 inch and includes using other tools for pavement removal and cleaning around all DI's, manholes, and valve boxes, to match the surrounding milling depth. The Contractor shall schedule milling and paving operations such that the milled surface is not left open to traffic for a period longer than 7 calendar days.**

All millings shall become the property of NYSDOT. The Contractor shall be responsible for milling collection, trucking to stockpile area, and sweeping prior to opening to traffic. Millings shall be taken to the staging area located at the southwest quadrant of the Route 408 and Route 63 intersection. No extra payment will be made for this work. The Contractor shall contact Michael Hinds at 585-346-3036 at least two weeks prior to stockpiling to make the necessary arrangements. The cost of all associated milling work, hauling and stockpiling work, additional temporary pavement markings, and associated work zone traffic control shall be included in the overlay item bid price.

9. The Contractor shall inventory existing pavement markings and shall install permanent pavement marking in accordance with Item 640.20, Item 640.21, and NYS Standard Sheets 685-01. The cost of all associated pavement marking work, including work zone traffic control, shall be included in the bid price of the overlay item.

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.9 Project 406364 – Orleans County, Route 63

1. This project is a hot-in-place recycling (heater scarification) with single course overlay. The overlay will be applied to the full pavement width, including travel lanes, parking lanes, and shoulders, from curb to curb.
2. The Contractor will be required to **inventory existing pavement marking, 1” production and miscellaneous (side street aprons and bridges) cold milling** of the surface, installation and removal of **temporary WMA ramp wedges, cleaning** the milled surface, place **production and miscellaneous (side street apron and bridges) WMA**, install temporary and permanent (paint) **pavement markings, CARDS installation, and associated Work Zone Traffic Control. All required items, listed above, shall be included in the bid price for the overlay items.** Heater Scarification, shoulder backup, special pavement markings, traffic signal inductance loops, and second application of permanent pavement markings will be completed by others. Coordination will be required between the Contractor and NYSDOT to schedule work operations.

Side street apron 1” mill and inlay / offset from existing edge of pavement:

- a. Route 31A, West / 42 feet
 - b. Route 31A, East / 48 feet
3. The Contractor shall coordinate their work so as not to conflict with other projects occurring within or abutting the contract limits. This includes but is not limited to any work by other contractors, utility companies, municipalities or maintenance operations. It is expected that the following projects will be under construction during construction of this contract:
 - a. 4031.95 – Route 31 from Route 63 to Albion (Heater Scarification).
 - b. NY FLAP DOT 63(1) – Paving and miscellaneous appurtenances through the Iroquois National Wildlife Refuge.
 4. WZTC typicals are expected to be 619-60 – Single Lane Closure with Flagging and 619-61 – Intersection Flagging.
 5. Time Restrictions:
 - a. Major Holiday Lane Restriction Special Note applies to this project.
 - b. Flagging prohibited between RM63 4505 1053 to RM 31 4502 1045.5, from 4PM to 6PM.
 6. At the commencement of milling, the Contractor’s milling equipment shall remain onsite until final demobilization. At the commencement of WMA placement, the Contractor’s paver shall remain onsite until final demobilization.
 7. WMA series specifications shall be 6.3, 75 gyrations.

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.9 Project 406364 – Orleans County, Route 63 (Cont'd)

8. **The Contractor is advised that approximately 22,662 square yards of production milling exists within the project limits and includes travel lanes, parking lanes, shoulders, intersection aprons and over bridge BIN 1028820 (South project terminus) and BIN 1028830 (South of Creek Street). The Contractor is required to mill the project limits at a depth of 1 inch and includes using other tools for pavement removal and cleaning around all DI's, manholes, and valve boxes to match the surrounding milling depth. The Contractor shall schedule milling and paving operations such that the milled surface is not left open to traffic for a period longer than 7 calendar days.**

The Contractor is advised that miscellaneous milling of side streets exists within the project limits, side street aprons are listed above. The Contractor shall schedule milling and paving operations such that the milled surface is not left open to traffic for a period longer than 10 calendar days.

All millings shall become the property of NYSDOT. The Contractor shall include trucking millings to the NYSDOT yard at 14110 Route 31 West, Albion. Point of contact is Mike Napoline at 585-589-6655. The contractor shall sweep prior to opening to traffic. The cost of all associated milling work, including any additional temporary pavement markings as well as associated work zone traffic control, shall be included in the overlay item bid price.

9. **The Contractor shall inventory existing pavement markings and shall install interim pavement marking in accordance with Item 640.20, Item 640.21, and NYS Standard Sheets 685-01. Contractor shall install interim pavement markings outside of milled areas and permanent markings in milled areas. The cost of all associated pavement marking work, including work zone traffic control, shall be included in the bid price of the overlay item.**
10. **The Contractor is advised that approximately 3.35 miles of the project meet the criteria for Centerline Audible Roadway Delineators (CARDS), as described in EI 13-021. The Contractor shall include the installation of CARDS as part of the overlay scope of work. 45 days (minimum) after the completion of the overlay, the Contractor shall install CARDS in accordance with Item 649.11 and NYS Standard Sheet 649-03. The cost of all associated CARDS work, including layout, sweeping, and work zone traffic control, shall be included in the bid price of the overlay item. NYSDOT will install the second application of permanent striping after CARDS installation.**

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.10 Project 406365 – Livingston County, Route 63

1. This project is a cold-in-place recycling (CIPR) with multi-course overlay. The overlay will be applied to the full pavement width, including travel lanes and shoulders.
2. The Contractor will be required to **inventory existing pavement marking**, installation and removal of **temporary WMA ramp wedges**, miscellaneous (**CIPR transitions and bridge deck**) **milling, cleaning** the milled surface, place **production and miscellaneous (side street apron) WMA**, install temporary and permanent (paint) **pavement markings**, and **associated Work Zone Traffic Control**. **All required items, listed above, shall be included in the bid price for the overlay items**. Cold-in-place recycling, shoulder backup, residential driveway aprons, special pavement markings, and DI frame and grate adjustments will be completed by others. Coordination will be required between the Contractor and NYSDOT to schedule work operations.

Side street apron inlay / offset from existing edge of pavement:

- a. Hunt's Auto Parts Driveway / Approximately 12', 6% maximum.
 - b. Shay Road (South) / Approximately 12', 6% maximum.
 - c. Mini Storage Driveway 1 / Approximately 12', 6% maximum.
 - d. Mini Storage Driveway 2 / Approximately 12', 6% maximum.
 - e. Shay Road (North) / Approximately 12', 6% maximum.
 - f. Bus Garage Driveway / Approximately 12', 6% maximum.
 - g. Baptist Church (South) / Approximately 12', 6% maximum.
 - h. Christian Fellowship Driveway / Approximately 12', 6% maximum.
 - i. Baptist Church (North) / Approximately 12', 6% maximum.
 - j. Zerfass Road / Approximately 12', 6% maximum.
 - k. Culbertson Road (South 1) / Approximately 12', 6% maximum.
 - l. Culbertson Road (South 2) / Approximately 12', 6% maximum.
 - m. Culbertson Road (North) / Approximately 12', 6% maximum.
 - n. White Bridge Road / Approximately 12', 6% maximum.
 - o. Parker Hill Road / Approximately 12', 6% maximum.
 - p. BIN 3316760, Everman Road / Approximately 12', 6% maximum.
 - q. Hammond Road / Approximately 12', 6% maximum.
 - r. Anderson Road / Approximately 12', 6% maximum.
 - s. Caldwell Road / Approximately 12', 6% maximum.
3. The Contractor shall coordinate their work so as not to conflict with other projects occurring within or abutting the contract limits. This includes but is not limited to any work by other contractors, utility companies, municipalities or maintenance operations. It is expected that the following projects will be under construction during construction of this contract:
 - a. 4063.62 – Route 63 from Route 258 to Route 408, Heater Scarification
 - b. 4036.25 – Village of Dansville, Resurfacing
 4. WZTC typicals are expected to be 619-60 – Single Lane Closure with Flagging and 619-61 – Intersection Flagging.
 5. Time Restrictions:
 - a. Major Holiday Lane Restriction Special Note applies to this project.
 - b. No flagging time restrictions.

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.10 Project 406365 – Livingston County, Route 63 (Cont'd)

6. At the commencement of milling, the Contractor's milling equipment shall remain onsite until final demobilization. At the commencement of WMA placement, the Contractor's paver shall remain onsite until final demobilization.
7. WMA series specifications shall be 50 gyrations.
8. **The Contractor is advised that approximately 980 square yards of miscellaneous milling exists within the project limits at the following locations: CIPR transition, Everman Road apron, BIN 1028650, and BIN 1028640. The Contractor is required to mill the project limits at a depth of 1 inch and includes using other tools for pavement removal and cleaning around all DI's, manholes, and valve boxes, to match the surrounding milling depth. The Contractor shall schedule milling and paving operations such that the milled surface is not left open to traffic for a period longer than 7 calendar days.**

All millings shall become the property of the Contractor. The Contractor shall be responsible for milling collection, trucking, off-site disposal and sweeping prior to opening to traffic. The cost of all associated milling work, including any additional temporary pavement markings as well as associated work zone traffic control, shall be included in the overlay item bid price

9. The Contractor shall inventory existing pavement markings and shall install permanent pavement marking in accordance with Item 640.20, Item 640.21, and NYS Standard Sheets 685-01. The cost of all associated pavement marking work, including work zone traffic control, shall be included in the bid price of the overlay item.

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.11 Project 425100 – Monroe County, Route 251

1. This project is a hot-in-place recycling (heater scarification) with single course overlay. The overlay will be applied to the full pavement width, from curb to curb, including travel lanes and shoulders.
2. The Contractor will be required to **inventory existing pavement marking, production cold milling** of the surface, installation and removal of **temporary WMA ramp wedges, miscellaneous (side street apron milling and intersection radiuses), cleaning** the milled surface, place **production and miscellaneous (side street apron and intersection radiuses) WMA**, install temporary and permanent (paint) **pavement markings, CARDS installation, and associated Work Zone Traffic Control. All required items, listed above, shall be included in the bid price for the overlay items.** Heater Scarification, shoulder backup, traffic signal inductance loops, special pavement markings, and second application of permanent pavement markings will be completed by others. Coordination will be required between the Contractor and NYSDOT to schedule work operations.

Side street apron mill and inlay / offset from existing edge of pavement:

- a. None
3. The Contractor shall coordinate their work so as not to conflict with other projects occurring within or abutting the contract limits. This includes but is not limited to any work by other contractors, utility companies, municipalities or maintenance operations. It is expected that the following projects will be under construction during construction of this contract:
 - a. 4390.94 – I-390 Crack and Seal from Exit 10 to I-90
4. WZTC typicals are expected to be:
 - a. 619-60 – Single Lane Closure with Flagging
 - b. 619-61 – Intersection Flagging
 - c. 619-30 – Single Lane Closure, Multi Lane Highway
 - d. 619-41 – Double Interior Lane Closure, Multi Lane Highway
5. Time Restrictions:
 - a. Major Holiday Lane Restriction Special Note applies to this project.
 - b. Single lane closure prohibited within RM 1157 to RM 1159 from:
 - i. Eastbound – 4PM to 6PM
 - ii. Westbound – 7AM to 9AM
6. At the commencement of milling, the Contractor's milling equipment shall remain onsite until final demobilization. At the commencement of WMA placement, the Contractor's paver shall remain onsite until final demobilization.
7. WMA series specifications shall be 75 gyrations.

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.11 Project 425100 – Monroe County, Route 251 (Cont'd)

8. **The Contractor is advised that approximately 11,158 square yards of production milling exists within the project limits, from RM 251 4301 1156.5 (curb begin) to Route 15. The Contractor is required to mill the project limits at a depth of 1 inch and includes using other tools for pavement removal and cleaning around all DI's, manholes, and valve boxes to match the surrounding milling depth. The Contractor shall schedule milling and paving operations such that the milled surface is not left open to traffic for a period longer than 7 calendar days.**

All millings shall become the property of the Contractor. The Contractor shall be responsible for milling collection, trucking, off-site disposal and sweeping prior to opening to traffic. The cost of all associated milling work, including any additional temporary pavement markings as well as associated work zone traffic control, shall be included in the overlay item bid price.

9. The Contractor shall inventory existing pavement markings and shall install permanent pavement marking in accordance with Item 640.20, Item 640.21, and NYS Standard Sheets 685-01. The cost of all associated pavement marking work, including work zone traffic control, shall be included in the bid price of the overlay item.
10. **The Contractor is advised that approximately 1.72 miles of the project meet the criteria for Centerline Audible Roadway Delineators (CARDS), as described in EI 13-021. The Contractor shall include the installation of CARDS as part of the overlay scope of work. 45 days (minimum) after the completion of the overlay, the Contractor shall install cards in accordance with Item 649.11 and NYS Standard Sheet 649-03. The cost of all associated CARDS work, including layout, sweeping, and work zone traffic control, shall be included in the bid price of the overlay item. NYSDOT will install the second application of permanent striping after CARDS installation.**

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.12 Project 425215 – Monroe County, Route 252

1. This project is a 1.5 inch, WMA, mill and inlay project. WMA milling and inlay will include the full pavement width, from gutter to gutter, travel lanes, and shoulders.
2. The Contractor will be required to **inventory existing pavement marking, production cold milling** of the surface, installation and removal of **temporary WMA ramp wedges**, miscellaneous **radius milling, cleaning** the milled surface, place **production and miscellaneous (intersection radiuses) WMA**, install temporary and permanent (paint) **pavement markings, CARDS installation, and associated Work Zone Traffic Control. All required items, listed above, shall be included in the bid price for the overlay items.** Shoulder backup, traffic signal inductance loops, drainage frame and grate adjustments, special pavement markings, and second application of permanent pavement markings will be completed by others. Coordination will be required between the Contractor and NYSDOT to schedule work operations.

Side street apron mill and inlay / offset from existing edge of pavement:

- a. None
3. The Contractor shall coordinate their work so as not to conflict with other projects occurring within or abutting the contract limits. This includes but is not limited to any work by other contractors, utility companies, municipalities or maintenance operations. It is expected that the following projects will be under construction during construction of this contract:
 - a. PIN 4033.75 – Route 33A from Route 252 to Route 204, Single Course, Mill/Fill
4. WZTC typicals are expected to be 619-60 – Single Lane Closure with Flagging and 619-61 – Intersection Flagging.
5. Time Restrictions:
 - a. Major Holiday Lane Restriction Special Note applies to this project.
 - b. Flagging prohibited within RM 1000 to RM 1018, from 7AM to 9AM & 4PM to 6PM.
6. At the commencement of milling, the Contractor's milling equipment shall remain onsite until final demobilization. At the commencement of WMA placement, the Contractor's paver shall remain onsite until final demobilization.
7. WMA series specifications shall be 9.5 with 1's and 50 gyrations.
8. **The Contractor is advised that approximately 147,343 square yards of production milling exists within the project limits and includes milling the gutter areas. The Contractor is required to mill the project limits at a depth of 1.5 inches and includes using other tools for pavement removal and cleaning around all DI's, manholes, valve boxes and radius' to match the surrounding milling depth. The Contractor shall schedule milling and paving operations such that the milled surface is not left open to traffic for a period longer than 7 calendar days.**

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.12 Project 425215 – Monroe County, Route 252 (Cont'd)

Before the milling operation, the Contractor shall periodically measure the pavement width, layout a new pavement centerline for the mill to follow, and re-establish the pavement crown in the center of the pavement. The intention is to establish equal travel lane and shoulder widths for each travel direction.

All millings shall become the property of the Contractor. The Contractor shall be responsible for milling collection, trucking, off-site disposal and sweeping prior to opening to traffic. The cost of all associated milling work, including any additional temporary pavement markings as well as associated work zone traffic control, shall be included in the overlay item bid price.

9. The Contractor shall inventory existing pavement markings and shall install permanent pavement marking in accordance with Item 640.20, Item 640.21, and NYS Standard Sheets 685-01. The cost of all associated pavement marking work, including work zone traffic control, shall be included in the bid price of the overlay item.

Contractor shall change the lane width to 11-foot wide lanes.

10. **The Contractor is advised that approximately 7.3 miles of the project meet the criteria for Centerline Audible Roadway Delineators (CARDS), as described in EI 13-021. The Contractor shall include the installation of CARDS as part of the overlay scope of work. 45 days (minimum) after the completion of the overlay, the Contractor shall install cards in accordance with Item 649.11 and NYS Standard Sheet 649-03. The cost of all associated CARDS work, including layout, sweeping, and work zone traffic control, shall be included in the bid price of the overlay item. NYSDOT will install the second application of permanent striping after CARDS installation.**

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.13 Project 425312 – Monroe County, Route 253

1. This project is a 1.5 inch, WMA, mill and inlay project. WMA milling and inlay will include the full pavement width, from gutter to gutter, travel lanes, and shoulders.
2. The Contractor will be required to **inventory existing pavement marking, production cold milling** of the surface, installation and removal of **temporary WMA ramp wedges**, miscellaneous (**intersection radiuses and side street apron**) **milling, cleaning** the milled surface, place **production and miscellaneous (radius and side street apron) WMA**, install temporary and permanent (paint) **pavement markings, CARDS and SHARDs installation**, and **associated Work Zone Traffic Control**. **All required items, listed above, shall be included in the bid price for the overlay items**. Shoulder backup, traffic signal inductance loops, drainage frame and grate adjustments, special pavement markings, and second application of permanent pavement markings will be completed by others. Coordination will be required between the Contractor and NYSDOT to schedule work operations.

Side street apron mill and inlay / offset from existing edge of pavement:

- a. East River Road (North) / 41 feet (to back of loop)
 - b. East River Road (South) / 50 feet (to back of loop)
3. The Contractor shall coordinate their work so as not to conflict with other projects occurring within or abutting the contract limits. This includes but is not limited to any work by other contractors, utility companies, municipalities or maintenance operations. It is expected that the following projects will be under construction during construction of this contract:
 - a. None
 4. WZTC typicals are expected to be 619-60 – Single Lane Closure with Flagging and 619-61 – Intersection Flagging.
 5. Time Restrictions:
 - a. Major Holiday Lane Restriction Special Note applies to this project.
 - b. Flagging prohibited within RM 1026 to RM 1037, from 4PM to 6PM.
 6. At the commencement of milling, the Contractor's milling equipment shall remain onsite until final demobilization. At the commencement of WMA placement, the Contractor's paver shall remain onsite until final demobilization.
 7. WMA series specifications shall be 9.5 with 1's and 75 gyrations.
 8. **The Contractor is advised that approximately 69,886 square yards of production milling exists within the project limits and includes milling the gutter areas. The Contractor is required to mill the project limits at a depth of 1.5 inches and includes using other tools for pavement removal and cleaning around all DI's, manholes, valve boxes and radius' to match the surrounding milling depth. The Contractor shall schedule milling and paving operations such that the milled surface is not left open to traffic for a period longer than 7 calendar days.**

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.13 Project 425312 – Monroe County, Route 253 (Cont'd)

Before the milling operation, the Contractor shall periodically measure the pavement width, layout a new pavement centerline for the mill to follow, and re-establish the pavement crown in the center of the pavement. The intention is to establish equal travel lane and shoulder widths for each travel direction.

All millings shall become the property of the Contractor. The Contractor shall be responsible for milling collection, trucking, off-site disposal and sweeping prior to opening to traffic. The cost of all associated milling work, including any additional temporary pavement markings as well as associated work zone traffic control, shall be included in the overlay item bid price.

9. The Contractor shall inventory existing pavement markings and shall install permanent pavement marking in accordance with Item 640.20, Item 640.21, and NYS Standard Sheets 685-01. The cost of all associated pavement marking work, including work zone traffic control, shall be included in the bid price of the overlay item.

Contractor shall change the lane width to 11-foot wide lanes.

10. **The Contractor is advised that approximately 2.76 miles of the project meet the criteria for Centerline Audible Roadway Delineators (CARDS), and 5.52 shoulder miles for Secondary Highway Audible Roadway Delineators (SHARDS), as described in EI 13-021. The Contractor shall include the installation of CARDS and SHARDS as part of the overlay scope of work. 45 days (minimum) after the completion of the overlay, the Contractor shall install CARDS and SHARDS in accordance with Item 649.11, 649.21, and NYS Standard Sheet 649-03 and 649-04. The cost of all associated CARDS and SHARDS work, including layout, temporary pavement markings, sweeping, and work zone traffic control, shall be included in the bid price of the overlay item. NYSDOT will install the second application of permanent striping after CARDS and SHARDS installation.**

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.14 Project 425900 – Monroe County, Route 259

1. This project is a 1.5 inch, WMA, mill and inlay project. WMA milling and inlay will include the full pavement width, from curb to curb, gutter to gutter, travel lanes, parking lanes, and shoulders.
2. The Contractor will be required to **inventory existing pavement marking, production cold milling** of the surface, installation and removal of **temporary WMA ramp wedges**, miscellaneous **radius and side street apron milling, cleaning** the milled surface, place **production and miscellaneous (intersection radiuses and side street apron) WMA**, install temporary and permanent (paint) **pavement markings, CARDS installation**, and **associated Work Zone Traffic Control. All required items, listed above, shall be included in the bid price for the overlay items.** Shoulder backup, traffic signal inductance loops, drainage frame and grate adjustments, special pavement markings, and second application of permanent pavement markings will be completed by others. Coordination will be required between the Contractor and NYSDOT to schedule work operations.

Side street apron mill and inlay / offset from existing edge of pavement:

- a. Parma Center Road (West) / 50 feet (back of signal loop)
 - b. Burritt Road (West) / 50 feet (back of signal loop)
 - c. Burritt Road (East) / 50 feet (back of signal loop)
 - d. Hovey Street / 15 feet (back of crosswalk)
 - e. West Avenue / 25 feet (to stop bar)
3. The Contractor shall coordinate their work so as not to conflict with other projects occurring within or abutting the contract limits. This includes but is not limited to any work by other contractors, utility companies, municipalities or maintenance operations. It is expected that the following projects will be under construction during construction of this contract:
 - a. none
 4. WZTC typicals are expected to be 619-60 – Single Lane Closure with Flagging and 619-61 – Intersection Flagging.
 5. Time Restrictions:
 - a. Major Holiday Lane Restriction Special Note applies to this project.
 - b. Flagging prohibited between RM18 4303 1115 to RM259 4301 1138, from 4PM to 6PM.
 6. At the commencement of milling, the Contractor's milling equipment shall remain onsite until final demobilization. At the commencement of WMA placement, the Contractor's paver shall remain onsite until final demobilization.
 7. WMA series specifications shall be 9.5 with 1's and 75 gyrations.

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.14 Project 425900 – Monroe County, Route 259 (Cont'd)

8. The Contractor is advised that approximately 108,028 square yards of production milling exists within the project limits and includes milling the curbed and parking area in the Village of Hilton, from curb to curb and over BIN 1014790 (South of Hazen Street). The Contractor is required to mill the project limits at a depth of 1.5 inches and includes using other tools for pavement removal and cleaning around all DI's, manholes, valve boxes and radius' to match the surrounding milling depth. The Contractor shall schedule milling and paving operations such that the milled surface is not left open to traffic for a period longer than 7 calendar days.

Before the milling operation, the Contractor shall periodically measure the pavement width, layout a new pavement centerline for the mill to follow, and re-establish the pavement crown in the center of the pavement. The intention is to establish equal travel lane and shoulder widths for each travel direction.

The Contractor is advised that miscellaneous milling of side streets exists within the project limits, side street aprons are listed above. The Contractor shall schedule milling and paving operations such that the milled surface is not left open to traffic for a period longer than 10 calendar days.

All millings shall become the property of the Contractor. The Contractor shall be responsible for milling collection, trucking, off-site disposal and sweeping prior to opening to traffic. The cost of all associated milling work, including any additional temporary pavement markings as well as associated work zone traffic control, shall be included in the overlay item bid price.

9. The Contractor shall inventory existing pavement markings and shall install permanent pavement marking in accordance with Item 640.20, Item 640.21, and NYS Standard Sheets 685-01. The cost of all associated pavement marking work, including work zone traffic control, shall be included in the bid price of the overlay item.
10. The Contractor is advised that approximately 1.91 miles of the project meet the criteria for Centerline Audible Roadway Delineators (CARDS), as described in EI 13-021. The Contractor shall include the installation of CARDS as part of the overlay scope of work. 45 days (minimum) after the completion of the overlay, the Contractor shall install cards in accordance with Item 649.11 and NYS Standard Sheet 649-03. The cost of all associated CARDS work, including layout, sweeping, and work zone traffic control, shall be included in the bid price of the overlay item. NYSDOT will install the second application of permanent striping after CARDS installation.

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.15 Project 428610 – Monroe County, Route 286

1. This project is a 1.5 inch, WMA, mill and inlay project. WMA milling and inlay will include travel lanes and shoulders.
2. Contractor shall skip over the area included in contract D264302 – Route 286 and Five Mile Line Road, intersection improvements. Approximate contract limits for D264302 are from RM 286-4301-1032 to 486-4301-1035.
3. The Contractor will be required to **inventory existing pavement marking, production cold milling** of the surface, installation and removal of **temporary WMA ramp wedges**, miscellaneous **deep milling** repairs at specified locations, miscellaneous **side street apron milling, cleaning** the milled surface, place **production and miscellaneous (side street apron and repair locations) WMA**, install temporary and permanent (paint) **pavement markings, CARDS installation**, and associated **Work Zone Traffic Control**. All required items, listed above, **shall be included in the bid price for the overlay items**. Shoulder backup, traffic signal inductance loops, special pavement markings, and second application of permanent pavement markings will be completed by others. Coordination will be required between the Contractor and NYSDOT to schedule work operations.

Side street apron mill and inlay / offset from existing edge of pavement:

- a. Scribner Road / 40 feet (back of 1st set of signal loops, if visible)
 - b. Whalen Road / 40 feet (back of 1st set of signal loops, if visible)
 - c. Jackson Road (North) / 43 feet (back of 1st set of signal loops, if visible)
 - d. Jackson Road (South) / 23 feet (back of 1st set of signal loops, if visible)
 - e. Route 250 (North) / 20 feet (up to stop bar)
 - f. Route 250 (South) / 20 feet (up to stop bar)
4. The Contractor shall coordinate their work so as not to conflict with other projects occurring within or abutting the contract limits. This includes but is not limited to any work by other contractors, utility companies, municipalities or maintenance operations. It is expected that the following projects will be under construction during construction of this contract:
 - a. Blossom Road resurfacing from Route 590 to Route 286 (Const. 2022).
 - b. Route 286/5 Mile Line Road intersection improvement (Const. 2021).
 - c. Signal Loop Installation, potentially in the milled surface.
 5. WZTC typicals are expected to be 619-60 – Single Lane Closure with Flagging and 619-61 – Intersection Flagging.
 6. Time Restrictions:
 - a. Major Holiday Lane Restriction Special Note applies to this project.
 - b. Flagging prohibited:
 - i. From RM 1025 to 1032: 7AM-9AM & 3PM-7PM.
 - ii. From RM 1032 to 1058: 3PM-6PM.

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.15 Project 428610 – Monroe County, Route 286 (Cont'd)

7. At the commencement of milling, the Contractor's milling equipment shall remain onsite until final demobilization. At the commencement of WMA placement, the Contractor's paver shall remain onsite until final demobilization.
8. WMA series specifications shall be 75 gyrations.
9. **The Contractor is advised that approximately 59,500 square yards of production milling exists within the project limits, from Qualtrough Road to Route 250 and includes going through the Route 250 intersection. The Contractor is required to mill the project limits at a depth of 1.5 inches and includes using other tools for pavement removal and cleaning around all DI's, manholes, and valve boxes to match the surrounding milling depth. The Contractor shall schedule milling and paving operations such that the milled surface is not left open to traffic for a period longer than 7 calendar days.**

Before the milling operation, the Contractor shall periodically measure the pavement width, layout a new pavement centerline for the mill to follow, and re-establish the pavement crown in the center of the pavement. The intention is to establish equal travel lane and shoulder widths for each travel direction.

The Contractor is advised that miscellaneous milling of side streets exists within the project limits, side street aprons are listed above. The Contractor shall schedule milling and paving operations such that the milled surface is not left open to traffic for a period longer than 10 calendar days.

The Contractor is advised that approximately 2,500 square yards of miscellaneous milling for deep pavement repairs, exists within the project limits at the following locations:

- **At approximate RM 286-4301-1026 at a depth of 4 inches from original grade, West bound lane and shoulder (300' x 14').**
- **At approximate RM 286-4301-1047 at a depth of 4 inches from original grade, full roadway width (57'x29').**
- **From approximate RM 286-4301-1046 (Millford Road) to RM 286-4301-1049 (Jackson Road) at a depth of 4 inches from original grade, Westbound lane and shoulder. (1200'x15').**
- **At approximate RM 286-4301-1054 to RM 286-4301-11055 at a depth of 4 inches from original grade, Westbound lane and shoulder (485' x 13')**
- **At approximate RM 286-4301-1053 at a depth of 4 inches from original grade, full roadway width (65'x30').**
- **At approximate RM 286-4301-1052 at a depth of 4 inches from original grade, full roadway width (28'x30').**
- **Contractor shall schedule deep milling repairs and paving repair operations such that the milling repair is filled before removing the work zone traffic control and opening to traffic**
- **All millings shall become the property of the Contractor. The Contractor shall be responsible for milling collection, trucking, off-site disposal and sweeping prior to opening to traffic. The cost of all associated milling work, including any additional temporary pavement markings as well as associated work zone traffic control, shall be included in the overlay item bid price.**

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.15 Project 428610 – Monroe County, Route 286 (Cont'd)

10. The Contractor shall inventory existing pavement markings and shall install permanent pavement marking in accordance with Item 640.20, Item 640.21, and NYS Standard Sheets 685-01. The cost of all associated pavement marking work, including work zone traffic control, shall be included in the bid price of the overlay item.

11. **The Contractor is advised that approximately 2.39 miles of the project meet the criteria for Centerline Audible Roadway Delineators (CARDS), as described in EI 13-021. The Contractor shall include the installation of CARDS as part of the overlay scope of work. 45 days (minimum) after the completion of the overlay, the Contractor shall install cards in accordance with Item 649.11 and NYS Standard Sheet 649-03. The cost of all associated CARDS work, including layout, sweeping, and work zone traffic control, shall be included in the bid price of the overlay item. NYSDOT will install the second application of permanent striping after CARDS installation.**

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.16 Project 428612 – Monroe County, Route 286A

1. This project is a 1.5 inch, WMA, mill and inlay project. WMA milling and inlay will include the full pavement width, from gutter to gutter, travel lanes, and shoulders.
2. The Contractor will be required to **inventory existing pavement marking, production cold milling** of the surface, installation and removal of **temporary WMA ramp wedges**, miscellaneous (**intersection radiuses and side street apron**) **milling, cleaning** the milled surface, place **production and miscellaneous (radius and side street apron) WMA**, install temporary and permanent (paint) **pavement markings**, and **associated Work Zone Traffic Control**. **All required items, listed above, shall be included in the bid price for the overlay items**. Shoulder backup, traffic signal inductance loops, drainage frame and grate adjustments, and special pavement markings will be completed by others. Coordination will be required between the Contractor and NYSDOT to schedule work operations.

Side street apron mill and inlay / offset from existing edge of pavement:

- a. North Landing Road (North) / 37 feet (to back of signal loop)
 - b. North Landing Road (South) / 34 feet (to back of signal loop)
 - c. Clover Street (North) / 37 feet (to back of signal loop)
 - d. Clover Street (South) / 39 feet (to back of signal loop)
3. The Contractor shall coordinate their work so as not to conflict with other projects occurring within or abutting the contract limits. This includes but is not limited to any work by other contractors, utility companies, municipalities or maintenance operations. It is expected that the following projects will be under construction during construction of this contract:
 - a. 4590.24 - Route 590 from Blossom Road to Titus Avenue and Route 104 from Culver Road to the Irondequoit Bay Bridge.
 - b. 4490.41 - I-490 - I-590 Interchange from Winton Road to Landing Road to I-590 and Highland Avenue to Blossom Road MBC.
 4. WZTC typicals are expected to be 619-60 – Single Lane Closure with Flagging and 619-61 – Intersection Flagging.
 5. Time Restrictions:
 - a. Major Holiday Lane Restriction Special Note applies to this project.
 - b. Flagging prohibited within RM1002 to RM 1022, from 7AM to 9AM & 4PM to 6PM.
 6. At the commencement of milling, the Contractor's milling equipment shall remain onsite until final demobilization. At the commencement of WMA placement, the Contractor's paver shall remain onsite until final demobilization.
 7. WMA series specifications shall be 9.5 with 1's and 50 gyrations.

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.16 Project 428612 – Monroe County, Route 286A (Cont'd)

- 8. The Contractor is advised that approximately 44,198 square yards of production milling exists within the project limits and includes milling the gutter areas. The Contractor is required to mill the project limits at a depth of 1.5 inches and includes using other tools for pavement removal and cleaning around all DI's, manholes, valve boxes and radius' to match the surrounding milling depth. The Contractor shall schedule milling and paving operations such that the milled surface is not left open to traffic for a period longer than 7 calendar days.**

Before the milling operation, the Contractor shall periodically measure the pavement width, layout a new pavement centerline for the mill to follow, and re-establish the pavement crown in the center of the pavement. The intention is to establish equal travel lane and shoulder widths for each travel direction.

All millings shall become the property of the Contractor. The Contractor shall be responsible for milling collection, trucking, off-site disposal and sweeping prior to opening to traffic. The cost of all associated milling work, including any additional temporary pavement markings as well as associated work zone traffic control, shall be included in the overlay item bid price.

- 9. The Contractor shall inventory existing pavement markings and shall install permanent pavement marking in accordance with Item 640.20, Item 640.21, and NYS Standard Sheets 685-01. The cost of all associated pavement marking work, including work zone traffic control, shall be included in the bid price of the overlay item.**

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.17 Project 435000 – Wayne County, Route 350

1. This project is a hot-in-place recycling (heater scarification) with single course overlay. The overlay will be applied to the full pavement width, from curb to curb, including travel lanes and shoulders.
2. The Contractor will be required to **inventory existing pavement marking, production cold milling** of the surface, installation and removal of **temporary WMA ramp wedges, miscellaneous (side street apron, HMA gutter, and intersection radiuses) milling, cleaning** the milled surface, place **production and miscellaneous (side street apron, WMA gutter, and intersection radiuses) WMA**, install temporary and permanent (paint) **pavement markings, CARDS installation, and associated Work Zone Traffic Control. All required items, listed above, shall be included in the bid price for the overlay items.** Heater Scarification, shoulder backup, traffic signal inductance loops, special pavement markings, and second application of permanent pavement markings will be completed by others. Coordination will be required between the Contractor and NYSDOT to schedule work operations.

Side street apron mill and inlay / offset from existing edge of pavement:

- a. Wiedrick Road / 50' (back of loop)
- b. Walworth Penfield Road (West) / 36' (back of loops)
- c. Walworth Penfield Road (East) / 80'
- d. Ridge Road (West) / 25' (back of stop bar)
- e. Ridge Road (East) / 29' (back of stop bar)

Side street apron inlay / offset from existing edge of pavement:

- a. Macedon Center Road / 12'
- b. Scott Road / 12'
- c. Barnes Road / 12'
- d. Eddy Road (West) / 12'
- e. Eddy Road (East) / 12'
- f. Pine View Drive / 12'
- g. Waterford Road / 12'
- h. Sewer Treatment Driveway / 12'
- i. Sherburne Road / 12'
- j. Greenview Drive / 12'
- k. Route 286 / 12'
- l. Plank Road / 12'
- m. Finley Road / 12'
- n. Hennessey Road / 12'
- o. Melkerson Drive / 12'
- p. Paddy Lane (West) / 12'
- q. Paddy Lane (East) / 12'
- r. Nature Drive / 12'
- s. Bus Garage Driveway (South) / 12'
- t. Bus Garage Driveway (North) & Middle School Driveway (South) / 12'
- u. Middle School Driveway (North) / 12'
- v. High School Driveway (South) / 12'
- w. High School Driveway (North) / 12'

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.17 Project 435000 – Wayne County, Route 350 (Cont'd)

3. The Contractor shall coordinate their work so as not to conflict with other projects occurring within or abutting the contract limits. This includes but is not limited to any work by other contractors, utility companies, municipalities or maintenance operations. It is expected that the following projects will be under construction during construction of this contract:
 - a. 4104.85 – Route 104 Pavement MBC, Monroe County Line to Furnace Road.
4. WZTC typicals are expected to be 619-60 – Single Lane Closure with Flagging and 619-61 – Intersection Flagging.
5. Time Restrictions:
 - a. Major Holiday Lane Restriction Special Note applies to this project.
 - b. No flagging time restrictions.
6. At the commencement of milling, the Contractor's milling equipment shall remain onsite until final demobilization. At the commencement of WMA placement, the Contractor's paver shall remain onsite until final demobilization.
7. WMA series specifications shall be 75 gyrations.
8. **The Contractor is advised that approximately 8,975 square yards of production milling exists within the project limits, in the curbed section of Route 31F intersection, in the curbed section of Ridge Road intersection, and in the signal intersection of Route 441. The Contractor is required to mill the project limits at a depth of 1 inch and includes using other tools for pavement removal and cleaning around all DI's, manholes, valve boxes, and radiuses, to match the surrounding milling depth. The Contractor shall schedule milling and paving operations such that the milled surface is not left open to traffic for a period longer than 7 calendar days.**

The Contractor is also advised that approximately 640 linear feet of asphalt gutter exists within the project limits, between RM 1047.5 to RM 1049.8 (houses #3560 to #3616). The contractor shall mill, inlay, and form a new gutter at the edge of pavement and around the DI's, to match the pre-construction function. The cost of all associated asphalt gutter work, including any associated work zone traffic control, shall be included in the overlay item bid price.

All millings shall become the property of the Contractor. The Contractor shall be responsible for milling collection, trucking, off-site disposal and sweeping prior to opening to traffic. The cost of all associated milling work, including any additional temporary pavement markings as well as associated work zone traffic control, shall be included in the overlay item bid price.

The Contractor shall inventory existing pavement markings and shall install permanent pavement marking in accordance with Item 640.20, Item 640.21, and NYS Standard Sheets 685-01. The cost of all associated pavement marking work, including work zone traffic control, shall be included in the bid price of the overlay item.

Contractor shall change the lane width to 11 foot wide lanes.

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.17 Project 435000 – Wayne County, Route 350 (Cont'd)

9. Contractor will provide a milled rebate at the roadside edge of all paved driveways. Contractor is responsible for matching the new pavement at the same grade and elevation as the existing paved driveways. Contractor will correct any identified deficiencies at paved driveways not meeting this requirement, as determined by the Engineer. The cost of all associated driveway work, including work zone traffic control, rebate, sweeping, asphalt, and compaction shall be included in the bid price of the overlay item.

10. **The Contractor is advised that approximately 9 miles of the project meet the criteria for Centerline Audible Roadway Delineators (CARDS), as described in EI 13-021. The Contractor shall include the installation of CARDS as part of the overlay scope of work. 45 days (minimum) after the completion of the overlay, the Contractor shall install cards in accordance with Item 649.11 and NYS Standard Sheet 649-03. The cost of all associated CARDS work, including layout, sweeping, and work zone traffic control, shall be included in the bid price of the overlay item. NYSDOT will install the second application of permanent striping after CARDS installation.**

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.18 Project 441409 – Wayne County, Route 414

1. This project is a hot-in-place recycling (heater scarification) with single course overlay. The overlay will be applied to the full pavement width, from curb to curb, including travel lanes, parking lanes, and shoulders.
2. The Contractor will be required to **inventory existing pavement marking, production cold milling** of the surface, installation and removal of **temporary WMA ramp wedges, cleaning** the milled surface, place **production and miscellaneous (side street apron) WMA**, install temporary and permanent (paint) **pavement markings, CARDS installation, and associated Work Zone Traffic Control. All required items, listed above, shall be included in the bid price for the overlay items.** Heater Scarification, shoulder backup, special pavement markings, and second application of permanent pavement markings will be completed by others. Coordination will be required between the Contractor and NYSDOT to schedule work operations.

Side street apron inlay / offset from existing edge of pavement:

- a. Smith Road / 12'
 - b. Turnpike Road (West) / 12'
 - c. Turnpike Road (East) / 12'
 - d. Matchoff Road / 12'
 - e. Anstee Road / 12'
 - f. Cayuga Street / 12'
3. The Contractor shall coordinate their work so as not to conflict with other projects occurring within or abutting the contract limits. This includes but is not limited to any work by other contractors, utility companies, municipalities or maintenance operations. It is expected that the following projects will be under construction during construction of this contract:
 - a. 4414.08 – Over CSX Bridge, Rehabilitation (Construction in 2023).
 4. WZTC typicals are expected to be 619-60 – Single Lane Closure with Flagging and 619-61 – Intersection Flagging.
 5. Time Restrictions:
 - a. Major Holiday Lane Restriction Special Note applies to this project.
 - b. No flagging time restrictions.
 6. At the commencement of milling, the Contractor's milling equipment shall remain onsite until final demobilization. At the commencement of WMA placement, the Contractor's paver shall remain onsite until final demobilization.
 7. WMA series specifications shall be 50 gyrations.

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.18 Project 441409 – Wayne County, Route 414 (Cont'd)

8. **The Contactor is advised that approximately 5,868 square yards of production milling exists within the project limits, beginning at 85 Mill Street (Garden Center) to the Bridge over the Erie Canal. The Contractor is required to mill the project limits at a depth of 1 inch and includes using other tools for pavement removal and cleaning around all DI's, manholes, and valve boxes, to match the surrounding milling depth. The Contractor shall schedule milling and paving operations such that the milled surface is not left open to traffic for a period longer than 7 calendar days.**

All millings shall become the property of the Contractor. The Contractor shall be responsible for milling collection, trucking, off-site disposal and sweeping prior to opening to traffic. The cost of all associated milling work, including any additional temporary pavement markings as well as associated work zone traffic control, shall be included in the overlay item bid price.

9. The Contractor shall inventory existing pavement markings and shall install permanent pavement marking in accordance with Item 640.20, Item 640.21, and NYS Standard Sheets 685-01. The cost of all associated pavement marking work, including work zone traffic control, shall be included in the bid price of the overlay item.
10. Contractor will provide a milled rebate at the roadside edge of all paved driveways. Contractor is responsible for matching the new pavement at the same grade and elevation as the existing paved driveways. Contractor will correct any identified deficiencies at paved driveways not meeting this requirement, as determined by the Engineer. The cost of all associated driveway work, including work zone traffic control, rebate, sweeping, asphalt, and compaction shall be included in the bid price of the overlay item.
11. **The Contractor is advised that approximately 4.08 miles of the project meet the criteria for Centerline Audible Roadway Delineators (CARDS), as described in EI 13-021. The Contractor shall include the installation of CARDS as part of the overlay scope of work. 45 days (minimum) after the completion of the overlay, the Contractor shall install cards in accordance with Item 649.11 and NYS Standard Sheet 649-03. The cost of all associated CARDS work, including layout, sweeping, and work zone traffic control, shall be included in the bid price of the overlay item. NYSDOT will install the second application of permanent striping after CARDS installation.**

SECTION 6: PROJECTS - SPECIAL NOTES (NYSDOT REGION 4)

6.19 Project 448806 – Ontario County, Route 488

1. This project is a hot-in-place recycling (heater scarification) with single course overlay. The overlay will be applied to the full pavement width, including travel lanes and shoulders.
2. The Contractor will be required to cut terminus and side street **rebates, clean the surface, inventory existing pavement marking, place production and miscellaneous (side street apron) WMA, install temporary and permanent (paint) pavement markings, CARDS installation, and associated Work Zone Traffic Control shall be included in the bid price for the overlay item.** Heater scarification, misc. milling at RR and Bridges, shoulder backup, and special pavement markings will be completed by others. Coordination will be required between the Contractor and NYSDOT to schedule work operations.

Side street apron / offset from existing edge of pavement:

- a. See rebate table.
3. WZTC typicals are expected to be 619-60 – Single Lane Closure with Flagging and 619-61 – Intersection Flagging.
4. Time Restrictions:
 - a. Major Holiday Lane Restriction Special Note applies to this project.
 - b. No flagging time restrictions.
5. At the commencement of HMA placement, the Contractor's paver shall remain onsite until final demobilization.
6. WMA series specifications shall be 50 gyrations.
7. The Contractor shall inventory existing pavement markings and shall install permanent pavement marking in accordance with Item 640.20, Item 640.21, and NYS Standard Sheets 685-01. The cost of all associated pavement marking work, including work zone traffic control, shall be included in the bid price of the overlay item.

Contractor shall change the lane width to 11 foot wide lanes.

8. Contractor will provide a milled rebate at the roadside edge of all paved driveways. Contractor is responsible for matching the new pavement at the same grade and elevation as the existing paved driveways. Contractor will correct any identified deficiencies at paved driveways not meeting this requirement, as determined by the Engineer. The cost of all associated driveway work, including work zone traffic control, rebate, sweeping, asphalt, and compaction shall be included in the bid price of the overlay item.
9. **The Contractor is advised that approximately 7.85 miles of the project meet the criteria for Centerline Audible Roadway Delineators (CARDS), as described in EI 13-021. The Contractor shall include the installation of CARDS as part of the overlay scope of work. 45 days (minimum) after the completion of the overlay, the Contractor shall install cards in accordance with Item 649.11 and NYS Standard Sheet 649-03. The cost of all associated CARDS work, including layout, sweeping, and work zone traffic control, shall be included in the bid price of the overlay item. NYSDOT will install the second application of permanent striping after CARDS installation.**

SECTION 7: PROJECTS - SPECIAL NOTES (NYSDOT REGION 5)

7.1 General Special Note – Region 5 Projects

The paving operations shall be progressed in a segment by segment basis. No longitudinal paving joints shall be allowed at the end of the workday. The segments shall be based on the Contractor’s daily work capacity and shall not end within an intersection.

7.2 Effective PG Binder Content – Region 5 Projects

9.5 WMA Mixture Design:

The mixture design shall be formulated in accordance with Materials Method 5.16. Additionally, the mixture shall meet the minimum effective asphalt, P_{be} , in the table below. The P_{be} shall be calculated using the specific gravities of aggregates tested within 14 days prior to production.

MINIMUM EFFECTIVE AC	
Aggregate SG, G_{sb}	P_{be}
2.250 to 2.274	6.2
2.275 to 2.324	6.1
2.325 to 2.374	6.0
2.375 to 2.424	5.9
2.425 to 2.474	5.8
2.475 to 2.524	5.7
2.525 to 2.574	5.6
2.575 to 2.624	5.5
2.625 to 2.674	5.4
2.675 to 2.724	5.3
2.725 to 2.774	5.2
2.775 to 2.824	5.1
2.825 to 2.874	5.0
2.875 to 2.924	4.9
2.925 to 2.974	4.8
2.975 to 3.024	4.7
3.025 to 3.074	4.6

Mixture Production:

- a At no point, shall the mixture be produced below the design asphalt content with a production tolerance of 0.1%. If the design asphalt content falls below the allowable target, the subplot will be given a QAF of 1.00 or less, and necessary changes shall be made to the production to meet the target.
- b The effective asphalt shall be calculated for every subplot during production. If the effective asphalt falls below the minimum, the subplot will be given a QAF of 1.00 or less.

SECTION 7: PROJECTS - SPECIAL NOTES (NYSDOT REGION 5)

7.3 Moisture Susceptibility Testing – Region 5 Projects

The Contractor will be required to submit to the Regional Material Engineer (RME) AASHTO T-283 moisture susceptibility test results prior to production of WMA Top Course. The results shall be a minimum Tensile Strength Ratio (TSR) of 80%. If the asphalt binder source is changed after being tested for moisture susceptibility, the mixture may require testing again at the RME's discretion. The NYSDOT may sample and test the above mixture during production to verify the moisture susceptibility requirement is met. If the results do not meet the production requirement (minimum TSR of 80%), the producer will need to take corrective action. If during production, the TSR test results fall below 70%, the RME will immediately suspend production for this project according to Section 105, Control of Work, and Section 106, Control of Material, of the Standard Specifications.

7.4 Dust (Minus 0.075 mm Aggregate) to Effective PG Binder Content Ratio – Region 5 Projects

In addition to AASHTO T283 testing, the NYSDOT will verify the Contractor's Dust (Minus 0.075 mm Aggregate) to Effective PG Binder Content Ratio during production. The minus 0.075 mm material will be determined using washed aggregate analysis and the ratio result shall be within the limits of 0.8 to 1.6.

7.5 Polymer Modified PG Binder – Region 5 Projects

All Region 5 Projects require the use of Polymer Modified (64V-22) PG Binder.

7.6 Pavement Markings – Region 5 Projects

It shall be the contractor's responsibility to inventory and document the existing pavement marking patterns prior to milling and/or resurfacing and submit to the Engineer a copy of the inventory prior to beginning work. The contractor shall also document the existing lane widths and shoulder widths of the pavement marking patterns. The contractor shall be responsible for completing all layout work necessary for the installation of all final pavement markings. If the original markings are obliterated, the contractor shall contact the Resident Engineer for guidance on their location.

7.7 Abrading Existing Pre-Formed & Epoxy Pavement Markings – Region 5 Projects

The Contractor shall remove any pre-formed and epoxy pavement markings. Care shall be taken to avoid damage to passing traffic. All damage to passing traffic caused by the Contractor's operations shall be the Contractor's responsibility. Waste material generated by the abrading operation shall be cleaned up and disposed of by the contractor. When the contractor abrades the existing pre-formed and epoxy pavement markings, the contractor shall place temporary pavement markings as specified elsewhere in this Invitation for Bids under Work Zone Traffic Control, unless the WMA will be placed the same day as the markings are abraded. The contractor shall make every effort to expeditiously place the WMA in areas where the markings have been abraded. Under no circumstances will temporary pavement markings be allowed for more than five calendar days in areas where markings are abraded. In this event, the contractor shall be required to place full pavement markings at no cost to the State. During the abrading operation, traffic shall be controlled by the contractor in accordance with Work Zone Traffic Control requirements included herein. The contractor shall submit a proposed Work Zone Traffic Control Plan to the Resident Engineer for approval. The plan may be based on the Work Zone Traffic Control drawings included in this Invitation for Bids. Payment for abrading shall be included in the price bid per ton for the WMA. No separate payment shall be made.

SECTION 7: PROJECTS - SPECIAL NOTES (NYSDOT REGION 5)

7.8 Centerline Audible Roadway Delineators (CARDs) – Region 5 Projects

The contractor shall install any CARDs listed in the project specific notes within 10 days of finishing paving.

7.9 Time Restrictions – Region 5 Projects

All Region 5 Projects shall follow the time restrictions outlined in the “Work Zone Traffic Control - for Design/Construction on State Highways in Region 5” released by NYSDOT found here:

https://www.dot.ny.gov/regional-offices/region5/repository/R05_2012_WZTC_Typicals.pdf

This information is also available through the Regional Transportation Systems Operations group.

7.10 Projects with Milling by Paving Contractor – Region 5 Projects

The following list of projects shall include milling operations to be performed by the Paving Contractor or their designated sub-contractor and shall follow the special note listed here:

PROJECT	ROUTE	LIMITS	ESTIMATED SQUARE YARDS OF MILLING
5V2211	NY 16	Old Route 16 to NY 98	271,500
5V2212	NY 353	Little Valley NVL to Cattaraugus SVL	142,400
5V2214	US 62	NY 322 to Gable Street	84,600
5V2217	NY 322	Chautauqua County Line to US 62	75,800
5V2221	NY 394	Mather Road to Mayville NVL	66,900
5V2224	US 62	PA State Line to NY 60	151,700
5V2225	NY 474	PA State Line to NY 76	284,200
5V2227	NY 5	Matthews Road to Dunkirk WCL	211,300
5V2229	NY 394	Mayville NVL to NY 5	203,000
5V2231	NY 93	Hunts Corners Road to NY 5	74,000
5V2241	NY 5	Jaysan Drive to Sturgeon Point	84,300
5V2242	US 62	Buffalo Street to Lenox Road	81,300
5V2244	NY 75	NY 39 to New Oregon Road	209,300
5V2251	NY 78	Ewings Road to NY 18	79,500
5V2252	Route 954P (Upper Mountain Road)	NY 104 to NY 265	25,200
5V2257	NY 31	NY 265 to NY 429	166,500
5V2258	Route 425 (Twin Cities Highway)	Erie County Line to Erie Avenue	41,500

SECTION 7: PROJECTS - SPECIAL NOTES (NYSDOT REGION 5)

7.10 Projects with Milling by Paving Contractor – Region 5 Projects (Cont'd)

The Paving contractor shall give 1 week notice to NYSDOT of their planned start date for milling. The Paving contractor shall coordinate their paving schedule with their selected Production Cold Milling Contractor, such that the milled surface is not left open to traffic for a period longer than 14 calendar days. The Paving contractor shall coordinate with the NYSDOT Maintenance Residency such that State Forces have time to make any pavement repairs in between the milling and paving operation. NYSDOT shall be responsible for work zone and cleanup of their pavement repair operation. The Paving Contractor shall also coordinate with the NYSDOT Maintenance Residency such that any traffic signal loops to be re-installed by a separate contract are installed in between the milling and paving operation. The contractor will be responsible to clean the milled area and keep the milled surface clean until paving. The contractor will also remove asphalt and clean around all DI's, manholes and valve boxes. The contractor shall provide the necessary work zones, work zone signage and clean-up effort, including sweeping of the milled surface during the milling operation. The contractor shall maintain the necessary work zone signage throughout the project with regards to milled surfaces as per the special notes in this contract. The contractor will be responsible for trucking and disposal of the milled materials. All disposal operations must be done in accordance with all Federal, State, and local rules and regulations. Material removed shall become the property of the Paving Contractor. The contractor shall provide temporary pavement markings on the milled surface in accordance with the requirements of Section 619.xx of the Standard Specifications. The costs shall be included in the bid prices for the VPP project. Production cold milling shall be included in the bid cost of the top course asphalt item.

The paving contractor shall be responsible for miscellaneous milling and paving of the side road intersections and rebates at locations listed in the rebate table and the special notes. This work will be included in the bid cost of the top course asphalt item

7.11 Milled Surfaces on Locations not being milled by Paving Contractor – Region 5 Projects

State Forces will perform initial sweeping of milled surface. It is the Contractor's responsibility ensure the surface is clean prior to paving and sweep if necessary, before and during paving operation. Payment for sweeping shall be included in the price bid per ton for the WMA. No separate payment shall be made.

7.12 Rebates– Region 5 Projects

Contractor shall be responsible for milling out a clean edge at all the rebate locations (per the overlay splice (rebate) detail) listed in the table in the contract.

SECTION 7: PROJECTS - SPECIAL NOTES (NYSDOT REGION 5)

7.13 Project 5V2211 – Cattaraugus County

The traveled way, shoulders, and center median turning lanes, when present, will be production milled at full width prior to WMA overlay.

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from 16-5101-3115 to RM 16-5101-3178 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649-04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the bid price of top course WMA item. No separate payment will be made.

The Contractor shall be responsible for the installation of the **final paint pavement markings** in accordance with Section 640 of the New York State Standard Specifications. All work required to complete this work shall be included in the bid price of top course WMA item. No separate payment will be made.

7.14 Project 5V2212 – Cattaraugus County

The traveled way, shoulders, and center median turning lanes, when present, will be production milled at full width prior to WMA overlay.

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 353-5101-2073 to RM 353-5101-2080 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649-04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the bid price of top course WMA item. No separate payment will be made.

7.15 Project 5V2213 – Cattaraugus County

The traveled way, shoulders, and center median turning lanes, when present, will be production milled at full width prior to WMA overlay.

7.16 Project 5V2214 – Cattaraugus County

The traveled way, shoulders, and center median turning lanes, when present, will be production milled at full width prior to WMA overlay.

There is a railroad crossing on US 62 in the Town of Dayton. Coordination shall be made for a flagger from the railroad in order to pave up to the tracks.

7.17 Project 5V2215 – Cattaraugus County

The traveled way, shoulders, and center median turning lanes, when present, will be production milled at full width prior to WMA overlay.

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 243-5101-1000 to RM 243-5101-1010 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649-04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the bid price of top course WMA item. No separate payment will be made.

SECTION 7: PROJECTS - SPECIAL NOTES (NYSDOT REGION 5)

7.18 Project 5V2216 – Cattaraugus County

The traveled way, shoulders, and center median turning lanes, when present, will be production milled at full width prior to WMA overlay.

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 353-5101-2007 to RM 353-5101-2055 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649-04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the bid price of top course WMA item. No separate payment will be made.

7.19 Project 5V2217 – Cattaraugus County

The traveled way, shoulders, and center median turning lanes, when present, will be production milled at full width prior to WMA overlay.

There are railroad crossings on NY Route 322 in the Village of South Dayton. Coordination shall be made for a flagger from the railroad in order to pave up to the tracks.

7.20 Project 5V2218 – Cattaraugus County

The traveled way, shoulders, and parking area near RM 17 51021102 will be micro milled by a separate contractor at full width prior to WMA overlay.

7.21 Project 5V2219 – Cattaraugus County

The traveled way, shoulders, and center median turning lanes, when present, will receive a WMA overlay.

This route contains epoxy pavement markings that shall be removed by the contractor prior to installing the overlay. Work to be included in the bid price for the asphalt item.

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 17-5102-3095 to RM 17-5102-3122 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649-04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the bid price of top course WMA item. No separate payment will be made.

7.22 Project 5V2221 – Chautauqua County

The traveled way, shoulders, and center median turning lanes, when present, will be production milled at full width prior to WMA overlay.

7.23 Project 5V2222 – Chautauqua County

The traveled way, shoulders, and center median turning lanes, when present, will be production milled at full width prior to WMA overlay.

There are railroad crossings on NY Route 76 in the Town of Ripley. Coordination shall be made for a flagger from the railroad in order to pave up to the tracks.

SECTION 7: PROJECTS - SPECIAL NOTES (NYSDOT REGION 5)

7.24 Project 5V2223 – Chautauqua County

The traveled way, shoulders, and center median turning lanes, when present, will be production milled at full width prior to WMA overlay from NY Route 430 to the pavement joint near RM 76 52011056.

From the pavement joint near RM 76 52011056 to NY Route 474 the traveled way and shoulders will receive a WMA overlay.

7.25 Project 5V2224 – Chautauqua County

The traveled way, shoulders, and center median turning lanes, when present, will be production milled at full width prior to WMA overlay.

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 62-5201-1300 to RM 62-5201-1345 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649-04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the bid price of top course WMA item. No separate payment will be made.

7.26 Project 5V2225 – Chautauqua County

The traveled way, shoulders, and center median turning lanes, when present, will be production milled at full width prior to WMA overlay.

The Contractor shall be responsible for the installation of the **final paint pavement markings** in accordance with Section 640 of the New York State Standard Specifications. All work required to complete this work shall be included in the bid price of top course WMA item. No separate payment will be made.

7.27 Project 5V2226 – Chautauqua County

The traveled way, shoulders, and center median turning lanes, when present, will be production milled at full width by a separate contractor prior to WMA overlay.

7.28 Project 5V2227 – Chautauqua County

The traveled way, shoulders, and center median turning lanes, when present, will be production milled at full width prior to WMA overlay.

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 5-5201-1183 to RM 5-5201-2001 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649-04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the bid price of top course WMA item. No separate payment will be made.

7.29 Project 5V2228 – Chautauqua County

The traveled way, shoulders, and center median turning lanes, when present, will be production milled at full width prior to WMA overlay.

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 950D-5201-1000 to RM 950D-5201-1012 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649-04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the bid price of top course WMA item. No separate payment will be made.

SECTION 7: PROJECTS - SPECIAL NOTES (NYSDOT REGION 5)

7.30 Project 5V2229 – Chautauqua County

The traveled way, shoulders, and center median turning lanes, when present, will be production milled at full width prior to WMA overlay.

In addition to the main line there will be minor intersection radii paving at the intersection of:

- Clinton Street approximately 55' from the Northern pavement edge.

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 17-5201-1026 to RM 17-5201-1069 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649-04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the bid price of top course WMA item. No separate payment will be made.

7.31 Project 5V2231 – Erie County

The traveled way, shoulders, and center median turning lanes, when present, will be production milled at full width prior to WMA overlay. The project will begin at the existing pavement joint approximately 50' South of Hunts Corners Road and end at the North pavement edge projection of NY Route 5 (Main Street) including the radius at the intersection.

In addition to the main line there will be minor intersection paving at the North Leg of Lewis/Cedar, up to and including the crosswalk at the East Leg of Cedar/John, up to the existing pavement joint on the West Leg of John/Buffalo, up to the existing pavement joint on the East Leg of Buffalo/Main, up to and including the crosswalk at Main/Mechanic, up to and including the crosswalk at Buell/Brooklyn, up to and including the crosswalk at Buell/Parkview.

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 93-5302-1064 to RM 93-5302-1071 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649-04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the bid price of top course WMA item. No separate payment will be made.

The Contractor shall be responsible for the installation of the **final paint pavement markings** in accordance with Section 640 of the New York State Standard Specifications. All work required to complete this work shall be included in the bid price of top course WMA item. No separate payment will be made.

7.32 Project 5V2232 – Erie County

The traveled way, shoulders, and center median turning lanes, when present, will be production milled at full width prior to WMA overlay. The project will begin at the East pavement edge projection of NY Route 266 (River Road) and end at the existing pavement joint at NY Route 324 (Sheridan Drive).

In addition to the main line there will be minor intersection paving at the intersection of Sheridan Drive and the intersection of River Road.

There is a CSX railroad crossing at Kenmore Avenue. Coordination shall be made for a flagger from CSX in order to pave up to the tracks.

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 325-5301-1000 to RM 325-5301-1014 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649-04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the bid price of top course WMA item. No separate payment will be made.

SECTION 7: PROJECTS - SPECIAL NOTES (NYSDOT REGION 5)

7.33 Project 5V2233 – Erie County

The traveled way, shoulders, and center median turning lanes, when present, will be production milled at full width prior to WMA overlay. The project will begin at the existing pavement joint approximately 325' West of Harris Hill Road and end at the existing pavement joint approximately 720' East of Townline Road.

In addition to the main line there will be minor intersection paving at the intersection of the Tops Distribution Center.

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 33-5301-2070 to RM 33-5301-2116 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649-04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the bid price of top course WMA item. No separate payment will be made.

7.34 Project 5V2241 – Erie County

The traveled way, shoulders, and center median turning lanes, when present, will be WMA overlay full width.

Paving shall not start prior to August 1st due to maintenance work on a small culvert being performed by New York State Maintenance Forces.

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 5-5302-1070 to RM 5-5302-1095 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649-04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the bid price of top course WMA item. No separate payment will be made.

7.35 Project 5V2242 – Erie County

The traveled way, shoulders, and center median turning lanes, when present, will be WMA overlay full width.

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 62-5303-1011 to RM 62-5303-1042 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649-04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the bid price of top course WMA item. No separate payment will be made.

7.36 Project 5V2243 – Erie County

The traveled way, shoulders, and center median turning lanes, when present, will be WMA overlay full width.

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 16-5302-1007 to RM 16-5302-1019 and RM 16-5302-1026 to RM 16-5302-1082 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649-04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the bid price of top course WMA item. No separate payment will be made.

SECTION 7: PROJECTS - SPECIAL NOTES (NYSDOT REGION 5)

7.37 Project 5V2244 – Erie County

The traveled way, shoulders, and center median turning lanes, when present, will be WMA overlay full width.

The Contractor shall be responsible for the installation of the **final paint pavement markings** in accordance with Section 640 of the New York State Standard Specifications. All work required to complete this work shall be included in the bid price of top course WMA item. No separate payment will be made.

7.38 Project 5V2245 – Erie County

The traveled way, shoulders, and center median turning lanes, when present, will be WMA overlay full width.

7.39 Project 5V2251 – Niagara County

The traveled way, shoulders, and center median turning lanes, when present, will be production milled at full width prior to WMA overlay. This project will begin at the existing pavement joint just North of Ewings Road and ends just North of the intersection with NY 18. Final striping configuration subject to change.

In addition to the main line there will be minor intersection radii paving at the intersection of:

- Ide Road approximately 25' from the Western pavement edge.
- Ketchum Road approximately 20' from the Eastern pavement edge.
- NY 18 approximately 45' from the Eastern pavement edge.
- NY 18 approximately 55' from the Western pavement edge.
- Lockport Street approximately 100' from the Northern pavement edge of NY 18.

7.40 Project 5V2252 – Niagara County

The traveled way, shoulders, and center median turning lanes, when present, will be production milled at full width prior to WMA overlay. This project will begin at the existing pavement joint approximately 75' West of the Western pavement edge of NY 265 and ends at BIN 1036319 bridge approach over NY 104.

In addition to the main line there will be minor intersection radii paving at the ramps of:

- Westbound Ramp to I-190 Northbound approximately 70' from the Northern pavement edge.
- Eastbound Ramp to I-190 Northbound approximately 70' from the Southern pavement edge.
- Westbound Ramp from I-190 Northbound approximately 30' from the Northern pavement edge.
- Eastbound Ramp to I-190 Southbound approximately 240' from the Southern pavement edge.
- Westbound Ramp from I-190 Southbound approximately 75' from the Northern pavement edge.
- Westbound Ramp to Eastbound Route 104 approximately 585' from the Northern pavement edge.
- Eastbound Ramp from Eastbound Route 104 approximately 645' from the Southern pavement edge.

The Contractor shall be responsible for the installation of the **final epoxy pavement markings** in accordance with Section 685 of the New York State Standard Specifications. All work required to complete this work shall be included in the bid price of top course WMA item. No separate payment will be made.

SECTION 7: PROJECTS - SPECIAL NOTES (NYSDOT REGION 5)

7.41 Project 5V2253 – Niagara County

The traveled way, shoulders, and center median turning lanes, when present, will be WMA overlay full width. This project will begin at the existing pavement joint at the Lockport East City Limit and ends at the existing pavement joint approximately 30' from the Western edge projection of Gasport Road.

In addition to the main line there will be minor intersection radii paving at the ramps of:

- Day Road approximately 15' from the Northern pavement edge.
- Cottage Road approximately 65' from the Northern pavement edge.
- Cottage Road approximately 40' from the Southern pavement edge.

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 31-5401-4013 to RM 31-5401-4048 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649-04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the bid price of top course WMA item. No separate payment will be made.

7.42 Project 5V2254 – Niagara County

The traveled way, shoulders, and center median turning lanes, when present, will be WMA overlay full width. This project will begin at the existing pavement joint approximately 570' from the Western edge projection of NY 429 and ends at the existing pavement joint approximately 70' from the Western edge projection of Budd Road.

In addition to the main line there will be minor intersection radii paving at the ramps of:

- Baer Road approximately 45' from the Northern pavement edge.
- Plank Road approximately 35' from the Southern pavement edge.

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 104-5401-2108 to RM 104-5401-2165 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649-04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the bid price of top course WMA item. No separate payment will be made.

7.43 Project 5V2255 – Niagara County

The traveled way, shoulders, and center median turning lanes, when present, will be WMA overlay full width. This project will begin at the existing pavement joint along the Eastern edge projection of Walmore Road and ends approximately 45' from the Southern pavement edge projection of Printup Road.

7.44 Project 5V2256 – Niagara County

The traveled way, shoulders, and center median turning lanes, when present, will be WMA overlay full width. This project will begin at the existing pavement joint along the Southern Reservation Line and ends at Upper Mountain Road.

SECTION 7: PROJECTS - SPECIAL NOTES (NYSDOT REGION 5)

7.45 Project 5V2257 – Niagara County

The traveled way, shoulders, and center median turning lanes, when present, will be WMA overlay full width. This project will begin approximately 200' from the Eastern edge projection of NY 265 and ends at the existing pavement joint approximately 560' East of Joanne Drive.

In addition to the main line there will be minor intersection radii paving at the ramps of:

- NY 429 South Leg approximately 30' from the Southern pavement edge.
- NY 429 North Leg approximately 45' from the Northern pavement edge.

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 31-5401-2017 to RM 31-5401-2031 and RM 31-5401-2041 to RM 31-5401-2080 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649-04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the bid price of top course WMA item. No separate payment will be made.

7.46 Project 5V2258 – Niagara County

The traveled way, shoulders, and center median turning lanes, when present, will be WMA overlay full width. This project will begin at BINs 4050701 and 4050702 bridge approach and ends approximately 80' North of Northern pavement edge projection of Wheatfield Street/Erie Avenue.

In addition to the main line there will be minor intersection radii paving at the ramps of:

- Northbound off ramp that ends at Orchard Place approximately 155' to the Western pavement edge of Division Street.
- Tremont Street East Leg approximately 30' to the Western pavement edge of Division Street.
- Northbound on ramp just North of Tremont Street approximately 70' to the Western pavement edge of Division Street.
- Christiana Street East Leg approximately 30' to the Western pavement edge of Division Street.
- Northbound off ramp just North of Christiana Street approximately 85' to the Western pavement edge of Division Street.
- Northbound on ramp at Chestnut Street approximately 65' to the Western pavement edge of Division Street.
- E. Schenck Street East Leg approximately 30' to the Western pavement edge of Division Street.
- Northbound on ramp just North of E. Schenck Street approximately 100' to the Western pavement edge of Division Street.
- Robinson Street East Leg approximately 15' to the Western pavement edge of Division Street.
- Northbound off ramp just North of Robinson Street approximately 65' to the Western pavement edge of Division Street.
- Northbound on ramp just North of Robinson Street approximately 85' to the Western pavement edge of Division Street.
- Wheatfield Street West Leg approximately 25' from the Western pavement edge.

A railroad crossing at RM 950H-5401-1010 (NY 425) will require coordination with the railroad owner, in this case CSX.

The Contractor shall be responsible for the installation of the **final epoxy pavement markings** in accordance with Section 685 of the New York State Standard Specifications. All work required to complete this work shall be included in the bid price of top course WMA item. No separate payment will be made.

SECTION 7: PROJECTS - SPECIAL NOTES (NYSDOT REGION 5)

7.47 Project 5V2259 – Niagara County

The traveled way, shoulders, and center median turning lanes, when present, will be WMA overlay full width. This project will begin at the existing pavement joint at approximately RM 18-5401-1245 and ends at the existing pavement joint approximately 85' from the Western edge projection of Hess Road.

In addition to the main line there will be minor intersection radii paving at the ramps of:

- Transit Road approximately 35' from the Southern pavement edge.
- Phillips Road approximately 30' from the Southern pavement edge.

As part of this contract, the contractor is required to install **Centerline Audible Roadway Delineators, (CARDS)** from RM 18-5401-1245 to RM 18-5401-1273 in accordance with Item 649.11 and 649.21 and NYS Standard Sheets 649-03 and 649-04. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, is to be included in the bid price of top course WMA item. No separate payment will be made.

SECTION 8: PROJECTS - SPECIAL NOTES (NYSDOT REGION 6)

8.1 Special Note – Region 6 Projects

No work shall be permitted, to minimize travel delays associated with major holidays, during the following periods:

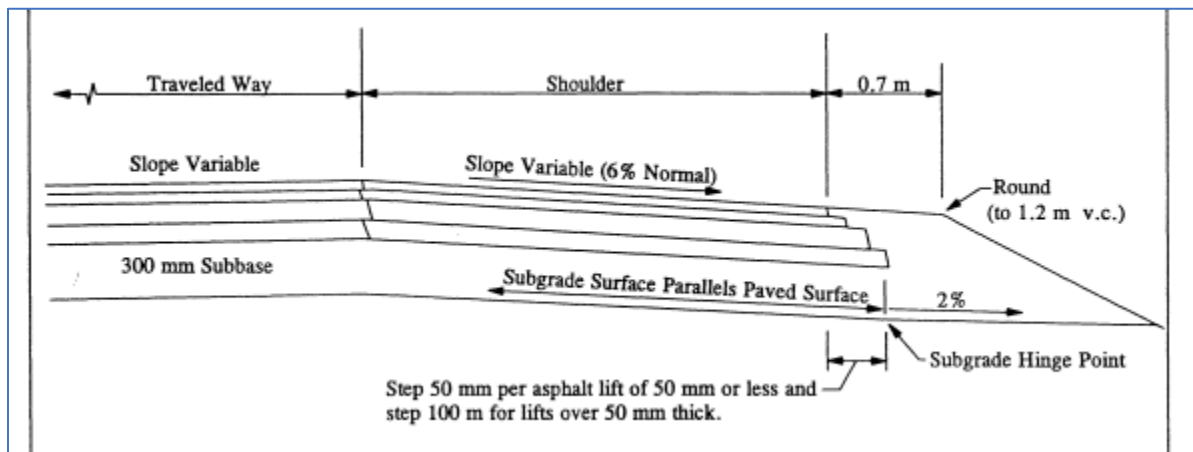
6:00 am Friday, May 27, 2022 thru 6:00 am Tuesday, May 31, 2022 - (Memorial Day Holiday)

6:00 am Friday, July 1, 2021 thru 6:00 am Tuesday, July 5, 2021 - (July 4th Holiday)

6:00 am Friday, September 2, 2021 thru 6:00 am Tuesday, September 6, 2021 - (Labor Day Holiday)

In accordance with the NYSDOT Highway Design Manual, Chapter 3, Typical Sections. Paving courses are to be stepped as shown in Figure 3-4, on page 3-25 of the H.D.M. At the edge of the shoulder, Step 2” (50mm) per asphalt lift of 2” (50mm) or less and step 4” (100mm) for overlays that are over 2” (50mm) thick. See accompanying illustration taken from figure 3-4 of the HDM.

If the contractor fails to pave in accordance with established NYSDOT guidelines, the excess Asphalt Concrete quantity will be estimated by the Resident Engineer and noted as waste. The Resident Engineer’s estimate will be nonnegotiable, and no payment will be made for such waste material.



The Region requests all Preconstruction paperwork be submitted electronically as .pdf files to Gary.Shepard@dot.ny.gov prior to the preconstruction meeting, or all documentation be brought to the Preconstruction meeting electronically as .pdf files on a CD or USB “thumb” drive that will not be returned to the contractor.

Region 6 desires a greater placement of Temporary Striping Delineation than is required under Section 619 of the NYSDOT Standard Specifications. As outlined below, the following additional quantity/placement will be required. There is no revisions to the time of placement from the specifications.

Divided Highway Paving Projects:

Temporary Pavement Markings per 619-3.06.A with the following Additions:

- Ticks defining travel lanes changed to 4’ long instead of 2’ long.
- Placement of channelizing devices per section 619-3.02.J.3 along edge of pavement for the duration commencing at beginning of milling and/or paving operations and left in place until full permanent pavement markings are in place.

SECTION 8: PROJECTS - SPECIAL NOTES (NYSDOT REGION 6)

8.1 Special Note – Region 6 Projects (Cont’d)

Paint with beads is the only option permitted in Region 6 for temporary and interim pavement markings, unless approved on a case-by-case basis by the Resident Engineer. Offset the centerline temporary/interim pavement markings so that the permanent markings will cover up the temporary/interim markings, as follows: 8” centerline offset for 2 lane roads, 6” centerline offset for multi-lane roadways.

A reminder that per Code Rule 753, a “Dig Safe” ticket shall be submitted for each project notifying of “...the movement or removal...of pavement...”. Some of these utilities may request “no vibratory rolling” for a distance up to 100’ over interstate/intercontinental gas/petroleum transverse crossings. Contractors can visit the following website to view whether there is a likelihood for these utilities in the project limits:

<https://www.npms.phmsa.dot.gov/> and then click the npms public map viewer link and follow the instructions.

The following projects shall be completed no later than September 1, 2022: 6V2115, 6V2216, and 6V2217.

The following projects shall be completed no later than October 1, 2022: 6V2221, 6V2246, and 6V2247.

All other Region 6 WMA projects shall be completed no later than October 31, 2022. A schedule reflecting this shall be submitted before start of work to the Region’s ARDO and Gary Shepard, for approval.

HMA Overlay Splices (Rebates):

All Region 6 hot mix asphalt overlay splices (pavement terminations) shall be installed as per NYSDOT Standard Sheet 402-01 issued under EB 08-036.

All stockpile, spoils, and clean-out sites need to be preapproved by the Regional Maintenance Environmental Coordinator, Ruth Hart, prior to use.

SECTION 8: PROJECTS - SPECIAL NOTES (NYSDOT REGION 6)

8.1 Special Note – Region 6 Projects (Cont’d)

The following bridges are within the project limits and are not to receive the WMA treatment:

PROJECT NUMBER	BIN/CIN	REFERENCE MARKER
6V2115	1012430	17-6103-1206
6V2216	1045550	305-6102-1227
6V2217	1044130	275-6101-1025
	1044140	275-6101-1070
	1044150	275-6101-1073
	1044160	275-6101-1075
	1044170	275-6101-1098
6V2221	1046280	352-6401-1004
6V2222	1010710	14-6201-1042
	1010720	14-6201-1044
6V2246	1011390	15-6401-1402
	1011400	15-6401-1424
	1011410	15-6401-1427
6V2247	1060160	21-6402-3034
	1077150	21-6402-2003
	1016340	21-6402-2001
	1016330	21-6402-1036
	1016320	21-6402-1014
6V2253	1043020	245-6605-1082
	1043030	245-6605-1108
6V2254	1027000	54A-6602-1017

SECTION 8: PROJECTS - SPECIAL NOTES (NYSDOT REGION 6)

8.2 Project 6V2115 – Allegany County

The following intersections shall be rebated as noted and then paved to these rebates.

LOCATION	WIDTH OF REBATE (FEET)	DISTANCE FROM C/L (FEET)
BIN 1012420	55	
Yeager Hill Road	20	40
Slip Ramp to Brimmer Brook	42	80
Brimmer Brook Road	65	32
BIN 1012430	40 x 2	
Miller Road	24	36
Lindy Lane	25	28
RM 1214, Standard Sheet 402-01	39	

Payment for intersection and driveway paving shall be included in the price bid per ton for the WMA. No separate payment shall be made.

The Contractor shall remove any pre-formed and epoxy pavement markings. Payment for abrading shall be included in the price bid per ton for the WMA. No separate payment shall be made.

Any, and all, debris generated as part of the work shall be removed by the contractor within five days of completion of paving operations.

This project shall be completed no later than **September 1, 2022**.

The paving contractor will be expected to rebate and pave to that rebate at all existing asphalt driveways within the project limits. The rebate should have a neat line and minimum 1” depth. The rebate will be approximately 21’ from centerline or as far as the screed can reach. There are approximately 26 paved driveways within the project limits. Payment shall be included in the price bid per ton for the WMA. No separate payment shall be made.

There are 14 drop inlets in the shoulder within the paving limits. Contractor will need to mill around these drop inlets before paving. Payment shall be included in the price bid per ton for the WMA. No separate payment shall be made.

SECTION 8: PROJECTS - SPECIAL NOTES (NYSDOT REGION 6)

8.3 Project 6V2216 – Allegany County

The following intersections shall be rebated as noted and then paved to these rebates.

LOCATION	WIDTH OF REBATE (FEET)	DISTANCE FROM C/L (FEET)
Oil Creek Bridge, Standard Sheet 402-01	65	
North Branch	40	65
Maple Lane	47	44
Hammond Road	45	35
CRCS Driveway	32	35
Trenkle Road	27	35
South Shore Road	25	37
Jackson Hill Road	30	40
Smith Road	27	30
Smith Road	25	29
North Shore Road	42	47
Health Camp Road	47	28
Crabb Hollow Road	30	39
BIN 1045520	31 x 2	
New Hudson Road	30	43
RM 1085, Standard Sheet 402-01	31	
RM 1088, Standard Sheet 402-01	31	
Hunt Road	29	30
Cloverleaf Road	21	57
BIN 1045530	34 x 2	
Haskins Road	23	50
Gleason Hill Road	34	44
BIN 1045550	32 x 2	
Baragon Hill Road	22	50
Ramsey Road	26	37
Lake Road	26	47
Shaller Road	26	40
Little John Road	37	35
Lake Road	35	30
State Route 19	31	

Payment for intersection and driveway paving shall be included in the price bid per ton for the WMA. No separate payment shall be made.

The Contractor shall remove any pre-formed and epoxy pavement markings. Payment for abrading shall be included in the price bid per ton for the HMA. No separate payment shall be made.

Any, and all, debris generated as part of the work shall be removed by the contractor within five days of completion of paving operations.

This project shall be completed no later than **September 1, 2022**.

SECTION 8: PROJECTS - SPECIAL NOTES (NYSDOT REGION 6)

8.3 Project 6V2216 – Allegany County (Cont'd)

The paving contractor will be expected to rebate and pave to that rebate at all existing asphalt driveways within the project limits. The rebate should have a neat line and minimum 1” depth. The rebate will be approximately 21’ from centerline or as far as the screed can reach. There are approximately 33 paved driveways within the project limits. Payment shall be included in the price bid per ton for the WMA. No separate payment shall be made.

The following bridges will receive a waterproof membrane prior to paving. Coordination with Region 6 Bridge Maintenance will be required.

BIN 1045520 Waterproof Membrane	RM 305-6102-1171
BIN 1045530 Waterproof Membrane	RM 305-6102-1212

NYSDOT Crews will be milling the hamlet of Black Creek between RM’s 305-6102-1185-1188. Paving contractor will need to coordinate with State Forces.

SECTION 8: PROJECTS - SPECIAL NOTES (NYSDOT REGION 6)

8.4 Project 6V2217 –Allegany County

The following intersections shall be rebated as noted and then paved to these rebates.

Payment for intersection paving shall be included in the price bid per ton for the WMA. No separate payment shall be made.

STREET NAME	REBATE FROM CENTERLINE (FEET)	ROADWAY WIDTH (FEET)
RM 1021 Standard Sheet 402-01	35	
BIN 1044130	40 x 2	
CR 8	33	45
Pangburn Road	28	33
Pangburn Road	25	35
CR 8	37	45
BIN 1044140	35 x 2	
BIN 1044150	34 x 2	
BIN 1044160	44 x 2	
Wells Road	34	36
Howard Road	17	42
Times Square	22	37
Park Avenue	38	35
CR 1	39	45
BIN 1044170	48 x 2	
RM 1103 Standard Sheet 402-01	35	

Payment for intersection and driveway paving shall be included in the price bid per ton for the HMA. No separate payment shall be made.

The Contractor shall remove any pre-formed and epoxy pavement markings. Payment for abrading shall be included in the price bid per ton for the HMA. No separate payment shall be made.

Any, and all, debris generated as part of the work shall be removed by the contractor within five days of completion of paving operations.

This project shall be completed no later than **September 1, 2022**.

The paving contractor will be expected to rebate and pave to that rebate at all existing asphalt driveways within the project limits. The rebate should have a neat line and minimum 1” depth. The rebate will be approximately 21’ from centerline or as far as the screed can reach. There are approximately 21 paved driveways within the project limits. Payment shall be included in the price bid per ton for the WMA. No separate payment shall be made.

There are 3 sections of concrete gutter within the limits. The successful bidder will be required to mill a longitudinal rebate before paving at these three locations. Payment for longitudinal milling shall be included in the price bid per ton for the WMA. No separate payment shall be made.

- Northbound right side at RM 1041 – 400 feet
- Northbound right side at RM 1033 – 700 feet
- Southbound right side at RM 1032 – 400 feet

SECTION 8: PROJECTS - SPECIAL NOTES (NYSDOT REGION 6)

8.5 Project 6V2221 – Steuben/Chemung County

The Steuben County section of this project will be milled by NYSDOT Forces between RM’s 352-6401-1004-1012. Paving contractor will need to coordinate with the State Forces.

Payment for intersection and driveway paving shall be included in the price bid per ton for the WMA. No separate payment shall be made.

LOCATION	WIDTH	LIMITS
Begin Project MM 1002	63	Steuben County Start of Project
Hickling Road	120	
Birch Road	50	
Birch Road	40	
CR 10	85	
Berry Lane	30	
Berry Lane	30	
CR 64	98	
Willow Creek Road	82	
Address 3374	117	
Address 3364	43	
Address 3344	44	
Address 3351		Concrete Driveway
Address 3338a	30	
Address 3338b	30	
Address 3328a	38	
Address 3328b	38	
Address 3310	30	
Address 3312	90	
Address 3298	80	
Address 3266	87	
Address 3186	25	
Address 3182	20	
Address 3182	18	
Address 3171	20	
Address 3165	20	
Address 3161	34	
Address 3161	30	
Address 3162	105	
Address 3149	63	
Address 3149	52	
Address 3142	23	
Address 3131	46	
End Project MM 1015	39	Chemung County End of Project

Any, and all, debris generated as part of the work shall be removed by the contractor within five days of completion of paving operations.

SECTION 8: PROJECTS - SPECIAL NOTES (NYSDOT REGION 6)

8.6 Project 6V2222 – Chemung County

Payment for intersection and driveway paving shall be included in the price bid per ton for the WMA. No separate payment shall be made.

LOCATION	WIDTH	LIMITS
Begin Project RM 1000	40	NY/PA Line Project Start
Suffern Hill Road	70	
Ida Road	43	
Park Road	38	
Merrian Road	70	Pave Approach
Catalpa Road	61	
Rodgers Road	63	Pave Approach
Bentley Road	76	Pave Approach
Comfort Hill Road	69	Pave Approach
Sunset Road	54	Pave Approach
Sunset Road	45	Pave Approach
CR 26	69	
Bob Masia Drive	68	
Kent Road	88	
Wilson Road	65	
Address 2837	30	
Address 2825	23	
Address 2703	42	
Address 2616	40	
Address 2567	20	
Address 2492	27	
Address 2488	21	
Address 2482	22	
Address 2487	20	
Address 2462	33	
Address 2465	42	
Address 2441	20	
Address 2425	36	
Address 2421	18	
Address 2415	19	
Address 2472	22	
Address 2226	32	
Address 2147	32	
Address 2105	55	
Bin 1010710	65.5	
Bin 1010710	65.5	
Bin 1010720	97	
Bin 1010720	97	
End of Job MM 1045	89	State Route 14 Intersection End of Project

Any and all debris generated as part of the work shall be removed by the contractor within five days of completion of paving operations.

This project shall be completed no later than **October 31, 2022**.

SECTION 8: PROJECTS - SPECIAL NOTES (NYSDOT REGION 6)

8.7 Project 6V2246 – Steuben County

The project includes production cold milling to be performed by the VPP paving contractor or their designated sub-contractor within the project limits. The paving contractor will production mill the pavement between RM 15-6401-1426-1433 total of .7 CL miles. The milling will encompass the entire Hamlet of Wallace from roughly the RR tracks to CR 9. The production cold milling includes milling an estimated 17,000 square yards at a milling depth of 2”.

The Paving contractor shall coordinate their paving schedule with their selected Production Cold Milling Contractor, such that the milled surface is not left open to traffic for a period longer than ten days. The contractor will be responsible to clean the milled area and keep the milled surface clean until paving. The contractor will also remove asphalt and clean around all DI’s, manholes and valve boxes. The contractor shall provide the necessary work zones, work zone signage and clean-up effort, including sweeping of the milled surface during the milling operation. The contractor will be responsible for trucking and disposal of the milled materials. All disposal locations shall be approved by the Engineer prior to disposal. All disposal operations must be done in accordance with all Federal, State, and local rules and regulations. Material removed shall be disposed of in accordance with the provisions of section 107-10 of the Standard Specifications, or as ordered by the Engineer. The contractor shall provide temporary pavement markings on the milled surface in accordance with the requirements of Section 619.xx of the Standard Specifications. The costs shall be included in the bid prices for the VPP project. Production cold milling shall be included in the bid cost of the top course asphalt item.

The paving contractor shall be responsible for miscellaneous milling and paving of the side road intersections from the edge of the mainline shoulder treatment to the rebate termination on the side road at locations listed in the rebate table. Intersections shall be milled and paved a length of 25 feet from the edge of the mainline shoulder treatment to the rebate termination location, nominal depth of 1.5”. The rebates shall be milled by the paving contractor in accordance with the rebate table of widths. The 25 feet length of milling and paving of side road intersections will be included in the bid cost of the top course asphalt item.

The following intersections and driveway shall be rebated as noted and then paved to these rebates or what creates a smooth transition.

SECTION 8: PROJECTS - SPECIAL NOTES (NYSDOT REGION 6)

8.7 Project 6V2246 – Steuben County (Cont'd)

LOCATION	REBATE FROM CL (FEET)	WIDTH (FEET)
BIN Beginning & End Approaches & RR Crossing	Standard Sheet 402-01	
First House on the Right	25	31
Field Drive on the Left	25	22
Jacob's Ladder	22	65
House # 60467	20	21
Cross Street	30	75
House # 60467	25	20
CR 6	28	53
Waterbeny Hill	27	50
CR 105	25	40
Reynolds Street	20	105
House # 61172	22	16
Wallace Back Road	20	65
CR 9	30	105
Jones Road	30	40
Newcomb Hollow Road	35	32
Ryan Hollow Road	28	53

Any and all debris generated as part of the work shall be removed by the contractor within five days of completion of paving operations.

This project shall be completed no later than **October 1, 2022**.

The following bridges will receive a waterproof membrane prior to paving. The depth of the material being placed will be increased to 2" over the structure. Coordination with Region 6 Bridge Maintenance will be required.

BIN 1011420	RM 15-6401-1433
BIN 1011430	RM 15-6401-1464

SECTION 8: PROJECTS - SPECIAL NOTES (NYSDOT REGION 6)

8.8 Project 6V2247 – Steuben County

The sections below will be milled by NYSDOT Forces. Paving contractor will need to coordinate with State Forces.

Mill limits - RMM 21 6402 1000 to RMM 21 6402 1003+20' – 6,400 Square Yards
 RMM 21 6402 1031-80' to RMM 21 6402 1033-40' – 3,420 Square Yards
 RMM 21 6402 1040+20 to RMM 21 6402 2004 – 5,670 Square Yards

The following intersections shall be rebated as noted and then paved to these rebates.

Payment for intersection and driveway paving shall be included in the price bid per ton for the WMA. No separate payment shall be made.

REBATE LOCATION	DESCRIPTION	WIDTH (FEET)	DISTANCE FROM CL (FEET)
21 6402 1011+50' Southbound	CR 66	44	40
BIN 1016320 40'X2		80	
21 6402 1020+100' Southbound	Army Corp Drive	54	28
21 6402 1024-100' Northbound	Old Eagles Club	42	21
21 6402 1024+100' Northbound	Old Eagles Club	38	21
21 6402 1026-200' Northbound	778	20	21
21 6402 1026-40' Southbound	781	29	21
21 6402 1026+10' Northbound	780	20	21
21 6402 1026+160' Southbound	Fred Johnson & Sons	130	20
21 6402 1027-240' Southbound	791	17	22
21 6402 1027-190' Southbound	791	20	22
21 6402 10271 Northbound	798	19	25
21 6402 2027+50' Northbound	800	18	23
21 6402 1028-110' Northbound	804	80	21
21 6402 1028-60' Northbound	806	14	21
21 6402 1029+50' Northbound	850	25	22
21 6402 1029+60' Southbound	827	23	23
21 6402 1030-190' Northbound	894	38	22
21 6402 1031-90' Northbound	938 Monroe Tractor	32	21
21 6402 1033-30' Northbound	980	15	22
21 6402 1033 Northbound	980	18	22
21 6402 1033+100' Northbound	Field Drive	38	28
BIN 1016330 40'X2		80	
21 6402 1036-110' Southbound	Old Almond Road	72	24
21 6402 1037 Northbound	North Main Lumber Drive	132	20
21 6402 1038 Southbound	Wilkins Plaza	195	20
21 6402 1038 +110' Southbound	1117 West End Motors	28	22
21 6402 1040-20' Southbound	Old Almond Road	90	20

SECTION 8: PROJECTS - SPECIAL NOTES (NYSDOT REGION 6)

8.8 Project 6V2247 – Steuben County (Cont'd)

REBATE LOCATION	DESCRIPTION	WIDTH (FEET)	DISTANCE FROM CL (FEET)
21 6402 3318	Start of Paving as Required by Standard Sheet 402-01		
21 6402 3318+130' Northbound	NAPA	39	28
21 6402 3318+240' Northbound	Bennets	127	24
21 6402 3318+250' Southbound	Woodlawn Trailer Park Drive	52	23
21 6402 3319+450' Northbound	Seneca	58	At Bridge Joint
21 6402 3319+450' Southbound	Seneca	60	50
21 6402 3320+340' Southbound	CR 66	58	40
21 6402 3320+350' Northbound	Loon Lake Road	55	40
21 6402 3022+470' Northbound	Miller Hill Yard	46	22
21 6402 3023+430' Northbound	7580	17	19
21 6402 3023+420' Southbound	7581	28	19
21 6402 3026+10' Southbound	Bills Road	74	25
21 6402 3026+400' Southbound	7673	22	22
21 6402 3027 Southbound	7675	21	22
21 6402 3028+10' Northbound	Cemetery Drive	26	25
21 6402 3028+20' Southbound	7683	18	24
21 6402 3029 Northbound	Cemetery Drive	44	25
BIN 1060160 40'X2		80	
21 6402 3029+100' Northbound	Dennis Road	58	27
21 6402 3033+300' Southbound	Sharps Hill Road	71	27
21 6402 3034+230' Northbound	7822	46	28
21 6402 3036+460' Northbound	7896	21	27
21 6402 3037+100' Northbound	7896	19	27
21 6402 3037+150' Southbound	7899	24	27
21 6402 3037+450' Southbound	CR 46	61	27
21 6402 3044	Start of Paving as Required by Standard Sheet 402-01		

All debris generated as part of the work shall be removed by the contractor within five days of completion of paving operations.

This project shall be completed no later than **October 1, 2022**.

SECTION 8: PROJECTS - SPECIAL NOTES (NYSDOT REGION 6)

8.9 Project 6V2252 – Yates County

Payment for intersection and driveway paving shall be included in the price bid per ton for the WMA. No separate payment shall be made.

LOCATION	WIDTH	LIMITS
Begin Project MM 1046	44	Begin Project
Vine Street	49	
PreEmption (East)	86	
PreEmption Road (West)	86	
Gibson	56	
State Route 230	64	
Chub Hollow	75	
Ellis Road	58	
Bennett Road	68	
Porters Corners Road	72	
Welker Road (East)	90	
Welker Road (West)	90	
Unknown	39	
Hobson Road	76	
Driveway #4562	10	
Driveway Martin Seed & Feed	81	
Driveway - Unknown	39	
End Project MM 1100	46	End Project

Any and all debris generated as part of the work shall be removed by the contractor within five days of completion of paving operations.

This project shall be completed no later than **October 31, 2022**.

The following bridges will receive a waterproof membrane prior to paving. The depth of the material being placed will be increased to 2” over the structure. Coordination with Region 6 Bridge Maintenance will be required.

BIN 1011080	RM 14A-6604-1057
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SECTION 8: PROJECTS - SPECIAL NOTES (NYSDOT REGION 6)

8.10 Project 6V2253 – Yates County

Payment for intersection and driveway paving shall be included in the price bid per ton for the WMA. No separate payment shall be made.

LOCATION	WIDTH	LIMITS
MM 1000	33	Begin Project
Parish Hill Road Offset 70'	36	Pave Parish Hill Approach
4856 State Route 245 Driveway	45	
Sunnyside Road	65	
Flint Road	80	
2098 State Route 245 Driveway	60	
Caward Cross	70	
1271 State Route 245 Driveway	30	
MM 1067	34	End Project
MM 1081	34	Begin Project
Middlesex Ambulance (2 Drives)	90	
Pierce Hill Road	60	
Valley View Road	60	
422 State Route 245 Driveway	20	
Gray Road	60	
Gray Road	55	
Loomis Road	65	
Valley View Doctors	35	
Bagley Road	60	
158 State Route 245 Driveway	25	
Valley Elementary (2 Drives)	135	
124 State Route 245 Driveway	20	
96 State Route 245 Driveway (Rushville Motors)	60	
MM 1114 to MM 1118 (Water Street)	2,225	Rebate Concrete Gutter Northbound Side

Any and all debris generated as part of the work shall be removed by the contractor within five days of completion of paving operations.

This project shall be completed no later than **October 31, 2022**.

SECTION 8: PROJECTS - SPECIAL NOTES (NYSDOT REGION 6)

8.11 Project 6V2254 – Yates County

Payment for intersection and driveway paving shall be included in the price bid per ton for the WMA. No separate payment shall be made.

LOCATION	WIDTH	LIMITS
MM 1078 Sylvan Road	38	End Project
2552 State Route 54A Driveway	35	
2563 State Route 54A Driveway	20	
2575 State Route 54A Driveway	20	
2577 State Route 54A Driveway	35	
West Lake Road	75	
Wager Hill Road Offset 60' from Centerline	33	Pave Wager Hill Approach
2725 State Route 54A Driveway	20	
Merritt Hill Road Offset 45' from Centerline	36	Pave Merritt Hill Approach
Central Avenue	100	
2854 State Route 54A	25	
2854 State Route 54A	30	
Williams Hill Road	48	
2857 State Route 54A Driveway	22	
2860 State Route 54A Driveway	20	
MM 1052+350 (2880 State Route 54A) to 1047	6,150	Rebate Concrete Gutter Both Sides
Kinney's Corners Offset 80' from Centerline	33	Pave Kinney Corners Approach
Assembly Avenue Offset 200' from Centerline	33	Pave Assembly Avenue Approach
Kinney's Corners Road	80	
3198 State Route 54A	22	
James Road	45	
Esperanza Mansion	70	
Pepper Road Offset 70'	30	Pave Pepper Road Approach
Esperanza Drive (Both Sides)	200	
Scenic Overlook (2 Drives)	135	
E. Valley Road	75	
Townsend Road	65	
State Route 54A over Sugar Creek Bridge	40	Begin Project

Any and all debris generated as part of the work shall be removed by the contractor within five days of completion of paving operations.

This project shall be completed no later than **October 31, 2022**.

SECTION 9: PROJECTS - SPECIAL NOTES (NYSDOT REGION 7)

The following Special Notes for Region 7 Projects shall supersede any other sections of this Award or the Standard Specifications referenced herein.

9.1 Special Work Zone Traffic Control – Pilot Vehicle – Region 7 Projects

Unless otherwise specified, the highway shall be kept open to traffic at all times. Traffic shall be discontinued on the lanes where work is being performed on these projects; and as soon as WMA is applied and rolled, controlled traffic may be permitted thereon. For Region 7 VPP projects in this solicitation, the Contractors shall provide sufficient two-way radio equipped pilot vehicles to guide traffic around paving work at a speed not to exceed 15 mph. The pilot vehicles shall be equipped with G20-4 “PILOT CAR FOLLOW ME” signs meeting the requirements of Sections 6F.58 and 6C.13 of the Manual on Uniform Traffic Control Devices. The delineation of the closed lane (cone placement) as required by Section 619-3.02J of the Standard Specifications shall be evaluated by the Resident Engineer based on the traffic control plan presented by the Contractor and, after consultation with the Regional Traffic Safety & Mobility Office, a determination will be made as to what will be required on the project. **Daytime lane closures may be used in lieu of pilot vehicles on controlled access highways as deemed appropriate by the Resident Engineer at the time of preconstruction meeting.**

SIGN	MINIMUM SIZE	LOCATION
PILOT VEHICLE FOLLOW ME	G20-4 CONVENTIONAL 36”x 18”	ON BACK OF PILOT VEHICLES

The pilot vehicle shall have the name of the Contractor prominently displayed.

All cost for Work Zone Traffic Control including flagging, temporary pavement markings, channelizing devices, construction signs, and pilot vehicles shall be included in the prices per ton for the bituminous concrete. No separate payment shall be made.

9.2 Vibratory Compaction Restrictions within the Village/City Limits

This note applies to the following projects:

- 7V2212 (Clinton County)
- 7V2234 (Jefferson County)
- 7V2235 (Jefferson County)
- 7V2243 (Lewis County)
- 7V2251 (St. Lawrence County)
- 7V2257 (St. Lawrence County)
- 7V2261 (Jefferson County)
- 7V2262 (Jefferson County)

Due to the age and proximity of the existing buildings and underground facilities, **no vibratory compaction will be allowed for the above listed projects within the village/hamlet/city limits.**

Oscillation Compaction will be allowed for this project. The Contractor must demonstrate to the Resident Engineer that the proposed roller(s) will compact with a lateral drum movement and meet the requirements of 402-3.07 Compaction.

9.3 Additional Paving Areas/Parking Areas/Cross Overs/Snow Plow Turnarounds – Region 7 Projects

The following location shall be included in the paving limits for the respective project:

- Project 7V2254 (St Lawrence County) – Scenic Overlook/Parking Area at RM 12 7507 1119

SECTION 9: PROJECTS - SPECIAL NOTES (NYSDOT REGION 7)

9.4 Shim Course Note

This note applies to following projects:

7V2212 (Clinton County)

Item 404.058901 (Shim Course) is being utilized at an average thickness of ½". Region 7 is requiring the use of either:

- 6.3 HMA mix meeting the requirements of 404.068301, but meeting F9 Friction requirements, and PG 64S-22 may be utilized in lieu of PG 64V-22. (This applies only as a substitution to Item 404.058901 for this contract only).
- Misc. Patching HMA mix meeting the requirements of Item 402.03890218 included in the currently active OGS centralized contract Group 31502, Award 23218 - Comprehensive Bituminous Concrete (Hot Mix Asphalt and Cold Patch) (Statewide).

9.5 Paving Operations – Region 7

This note applies to following projects:

7V2241 (Lewis County)

7V2242 (St. Lawrence County)

In areas that have been Cold Recycled, the Paving Operations shall progress in the opposite direction of travel from the Cold Recycling operation. This provision may only be waived by the Region 7 Materials Engineer, and this waiver will be rescinded if damage to the top course occurs.

9.6 Centerline Audible Roadway Delineators (CARDS)

This note applies to following projects:

7V2234 (Jefferson County)

7V2244 (Lewis County)

7V2246 (Lewis County)

The Contractor is advised that Centerline Audible Roadway Delineators (CARDS) shall be installed on these projects. As part of these contracts, the Contractor is required to install the CARDS in accordance with Item 649.11 and NYS Standard Sheet 649-03. The cost of all associated work, including work zone traffic control, shall be included in the bid price per ton of WMA.

9.7 Nighttime Operations

This note applies to following projects:

7V2212 (Clinton County)

The Contractor is advised that due to high traffic volumes and urban setting, work associated with this PIN shall be performed during nighttime hours. All work shall be completed between the hours of 6:00 PM (18:00) and 6:00 AM (06:00), Sunday night through Friday morning. The Contractor shall submit a schedule to the Engineer, to this effect, prior to beginning operations.

SECTION 9: PROJECTS - SPECIAL NOTES (NYSDOT REGION 7)

9.8 Fair/Event Restrictions

This note applies to following projects:

7V2243 (Lewis County)

The Contractor is advised work shall not be permitted between the dates of 07/18/22 to 07/24/22, during the Lewis County Fair. No milled surfaces shall remain exposed during that time, either the existing wearing surface, or new top course shall be in place for these dates. The Contractor shall submit a schedule to the Engineer, to this effect, prior to beginning operations.

9.9 Paving Date Restrictions

This note applies to following projects:

7V2237 (Jefferson County)

7V2241 (Lewis County)

Special paving restrictions are necessary for work associated with Projects 7V2237 & 7V2241. All work shall be performed between the dates of 08/01/22 and 09/30/22, without exception. The Contractor shall submit a schedule to the Engineer, to this effect, prior to beginning operations.

The Project 7V2241 site will be Cold-In-Place Recycled (CIPR) under a separate contract with similar date restrictions. No paving can begin until the CIPR is out of the cure period. Special coordination will be necessary between Contractors and the Engineer to ensure all work is completed within the designated dates specified above.

SECTION 10: PROJECTS - SPECIAL NOTES (NYSDOT REGION 9)

10.1 Special Notes – Region 9 Projects

Paving Operations – Region 9

Projects Paving operations shall progress in the opposite direction of traffic when paving on Cold Recycled roadways. This provision may only be waived by the Region 9 Materials Engineer, and this waiver will be rescinded if damage to the top course occurs.

Cleaning Existing Pavement – Region 9

Clean existing pavement and shoulder surfaces to be overlaid, including ruts and depressions, by the use of mechanical sweepers, hand brooms, or other means until the surfaces are free of all material which might interfere with the bond between the overlay material and the existing surfaces. All cleaning equipment shall be approved by the Engineer prior to use. Remove all debris from the pavement and shoulders surfaces and dispose of in an appropriate manner. Cleaning of the existing roadway shall occur just ahead of the tack coat operation to ensure a clean roadway. The cost of this work shall be incorporated in the cost per ton of asphalt pavement, no separate payment shall be made for this operation.

Item 404.058901 Shim Course– Region 9

Item 404.058901 (Shim Course) is being utilized at an average thickness of ½” to ¾”. Region 9 is requiring the use of either:

- 6.3 asphalt top course mix meeting the requirements of 404.068301, but meeting F9 Friction requirements, and PG 64S-22 may be utilized in lieu of PG 64V-22. (This applies only as a substitution to Item 404.058901 for this contract only).
- Misc. Patching HMA mix meeting the requirements of Item 402.03890218 included in the currently active OGS centralized contract Group 31502, Award 23218 - Comprehensive Bituminous Concrete (Hot Mix Asphalt and Cold Patch) (Statewide).

Special Work Zone Traffic Control – Pilot Vehicle– Region 9

Unless otherwise specified, the highway shall be kept open to traffic at all times. Traffic shall be discontinued on the lanes where work is being performed on these projects; and as soon as paving is done and rolled, controlled traffic may be permitted thereon. For Region 9 projects in this Invitation for Bids, the Contractors shall provide sufficient two-way radio equipped pilot vehicles to guide traffic around paving work at a speed not to exceed 15 mph. The pilot vehicles shall be equipped with construction signs meeting the requirements of Section 6F.58 of the Manual of Uniform Traffic Control Devices and a rotating amber beacon: SIGN MINIMUM SIZE LOCATION PILOT VEHICLE FOLLOW ME G20-4 CONVENTIONAL 36”x 18” ON BACK OF PILOT VEHICLES. The pilot vehicle shall have the name of the Contractor prominently displayed. All cost for Work Zone Traffic Control including flagging, temporary pavement markings, channelizing devices, construction signs, and pilot vehicles shall be included in the prices per ton of bituminous concrete. No separate payment shall be made. The use of the pilot vehicle shall be as ordered by the Resident Engineer.

SECTION 10: PROJECTS - SPECIAL NOTES (NYSDOT REGION 9)

10.2 Centerline Audible Roadway Delineators (CARDs) – Region 9

This note applies to following projects:

- Project 9S2241 (Delaware County)
- Project 9S2243 (Delaware County)
- Project 9S2253 (Otsego County)
- Project 9S2271 (Sullivan County)
- Project 9S2281 (Tioga County)
- Project 9S2283 (Tioga County)

As part of the contracts listed in the table below, the contractor is required to install **Centerline Audible Roadway Delineators (CARDs)**, within the specified limits. The CARDs shall be installed following the paving operations and shall be in accordance with Item 649.11 and NYS Standard Sheet 649-03. The cost of all associated work, including any additional temporary pavement markings and work zone traffic control, shall be included in the price per ton of the WMA (Warm-Mix Asphalt) items.

REGION 9 2022 VPP PROJECTS: TABLE OF CARDS LOCATIONS								
PIN	From MP	To MP	From RM	To RM	No. Lanes	County	Municipality	CL Miles
9S2241	2.67	8.19	206 9303-1026	1081	2	Delaware	Towns of Masonville and Tompkins	5.52
9S2243	21.99	25.9	10 9301-1224	1270	2	Delaware	Town of Walton	3.91
9S2253	2.44	6.80	205 9401-1014	1059	2	Otsego	Towns of Oneonta and Laurens	4.36
9S2271	7.26	14.02	209 9602-1072	1140	2	Sullivan	Town of Mamakating	6.76
9S2281	1.08	8.20	96B 6501-1011	1082	2	Tioga	Town of Candor	7.12
9S2283	3.02	7.54	34 6503-1030	1075	2	Tioga	Town of Spencer	4.52

SECTION 10: PROJECTS - SPECIAL NOTES (NYSDOT REGION 9)

10.3 Production Micro Milling to be Performed by the Paving Contractor – Region 9

This note applies to following projects:

- Project 9V2242 (Delaware County)**
- Project 9S2261 (Schoharie County)**
- Project 9S2271 (Sullivan County)**
- Project 9S2281 (Tioga County)**
- Project 9S2283 (Tioga County)**

The projects below include Production Cold Micro Milling to be performed by the paving contractor or their designated sub-contractor within the project limits specified in the contract documents or as ordered by the Engineer. Milling depth and approximate centerline miles required are in the table below. The Paving contractor shall coordinate their paving schedule with the selected Production Cold Micro Milling contractor, such that the milled surface is not left open to traffic for a period longer than 10 days. The contractor may have to allow up to one week for the installation of traffic loops by others if the contractor’s milling operation will remove loops, this will be discussed at the preconstruction meeting. The contractor shall provide the necessary work zones, work zone signage and clean-up effort, including sweeping of the milled surface contemporaneous with the milling operation. Clean-up effort includes milling or using other tools to remove pavement around drainage inlets, manholes, water valves and other obstructions in the roadway to facilitate paving the full depth of the proposed pavement lift against those structures. The contractor will be responsible for disposal of the milled materials.

All disposal locations shall be approved by the Engineer prior to disposal. All disposal operations must be done in accordance with all Federal, State, and local rules and regulations. Material removed shall be disposed of in accordance with the provisions of section 107-10 of the Standard Specifications, or as ordered by the Engineer. The contractor shall provide temporary pavement markings on the milled surface similar to the requirements for paving. An additional cleaning will be required ahead of the tack coat operation prior to paving. The cost of all associated work, including any additional temporary pavement striping as well as work zone traffic control, shall be included in the bid price per ton of WMA. No separate payment shall be made.

PROJECT	LOCATION	DEPTH	CENTERLINE MILES
9V2242	Entire Project Limits	2.5”	1.2
9S2261	RM 1292 to 1294+100	1.5”	0.22
9S2271	RM 209 9702 1120 to 1121 +300’ +/-	2”	0.15
9S2281	RM 96B 6501 1000 to 1003 +250’ +/-	2”	0.35
	RM 96B 6501 1038 to BIN 1035280 +/-	2”	0.03
	BIN 1035280 to RM 96B 6501 1039 +/-	2”	0.03
	96B 6501 1053 -230 +/- to BIN 1035290	2”	0.04
	BIN 1035290 to 96B 6501 1053 +220’ +/-	2”	0.04
	RM 96B 65011068 +/- to BIN 1035300	2”	0.03
	BIN 1035300 to RM 96B 6501 1068+300’ +/-	2”	0.03
9S2283	BIN 7023230	2”	0.15

SECTION 10: PROJECTS - SPECIAL NOTES (NYSDOT REGION 9)

10.4 Project 9S2222 (Chenango County)

This project will involve coordination with D264352 Large Culvert Replacement Block. The project will be replacing a large culvert within the project limits in the Spring of 2022. This paving project shall start after the culvert has been replaced.

10.5 Project 9S2251 (Otsego County)

At RM 1389 +/- additional T&L thickness will be required to correct inconsistent cross slope at this location. An additional quantity of 200 tons was added to the project for this. Exact amounts and limits of T&L for this correction at this location will be determined in the field by the Resident Engineer or Representative prior to beginning placement of the T&L course.

10.6 Project 9S2281 (Tioga County)

The completion date on this project is **8/30/2022**.

10.7 Project 9S2283 (Tioga County)

The contractor shall measure and record the minimum vertical clearance under BIN 7023230 prior to milling and following paving operations, before traffic is allowed under the structure. The contractor shall be responsible for ensuring the postconstruction vertical clearance does not exceed the preconstruction vertical clearance. The cost of all associated work shall be included in the bid price per ton of WMA. No separate payment shall be made. The completion date on this project is **8/30/2022**.

SECTION 10: PROJECTS - SPECIAL NOTES (NYSDOT REGION 9)

10.8 Density Measurement and Evaluation Using A Dielectric Profiling System (DPS)

This note applies to following projects –

Project 9S2222 – Chenango County

Project 9V2242 – Delaware County

Project 9S2283 – Tioga County

DESCRIPTION: These projects will require to measure and evaluate the density of a compacted asphalt mixture using a Dielectric Profiling System (DPS). DPS is a radar-based system designed to continuously measure asphalt mixture density.

EQUIPMENT: The DPS system will be a specially designed unit using GPR to determine the dielectric constant of in place asphalt. The hardware and software shall meet the requirements of AASHTO PP 98-19. The unit shall consist of multiple sensors. The unit may be cart or vehicle mounted.

CONSTRUCTION DETAILS: The Contractor shall fabricate 2 gyratory specimens at 86%, 88%, 90%, 92%, 94%, 96%, and 98% of maximum theoretical density prior to, or during the first day of HMA production. Specimens shall be fabricated to 0.2% of targeted value. Fabricated specimens shall be available to the testing firm to calibrate the DPS to the asphalt mixture.

The Contractor shall develop a dielectric/density calibration curve based on the gyratory specimens produced.

The Contractor shall perform all manufacturer’s recommended calibration procedures prior to the collection of data.

The Contractor shall collect 1 mile of data, or 50% of the paved area, whichever is greater, daily. Data collection areas shall consist of 6 longitudinal lines of dielectric measurements recorded across the entire pavement surface. Dielectric measurements shall be collected at a frequency of 1’ or less. One line of data should be located to capture the dielectric of the longitudinal centerline joint. The Contractor shall measure the dielectric of all core locations and 100’ of the surrounding area.

For 60 series projects on non-coring days, the Contractor shall measure and report a comparison between nuclear gauge readings at a minimum of 4 locations at the beginning and end of the project.

Measurements shall be recorded after the last pass of the finish roller and before the lane is opened for traffic. The Engineer shall identify any density core locations to the operator of the DPS after the final pass of the roller. The DPS operator shall record the GPS coordinates of the selected core location.

The Contractor shall provide the Engineer the following:

- .csv file with all recorded data, including offset in lane, location, and corresponding density;
- A report indicating percent density achieved relative to the area paved;
- .kml file;
- Core location in the exported files; and
- Summary sheet indicating core density and nuclear gauge readings when available, along with DPS measurements at core locations.

SECTION 11: SUPERPAVE WARM MIX ASPHALT

11.1 Superpave Warm Mix Asphalt Design Criteria

Design criteria for SUPERPAVE Warm Mix Asphalt Items for projects contained in the Invitation for Bids can be found in Attachment 12 – *Superpave Warm Mix Asphalt Tables*.

NOTE: Please Section 2.4 Special Notes – PG Binder and Mix Design Level

11.2 Project Dimensions

Project Dimensions for projects contained in the Invitation for Bids can be found in Attachment 12 – *Superpave Warm Mix Asphalt Tables*.

11.3 Rebates Table

Rebates for projects contained in the Invitation for Bids can be found in Attachment 12 – *Superpave Warm Mix Asphalt Tables*.