Date: **July 17, 2025**

To: **All Proposers**

Subject: **Addendum No. 4**
Consisting of twelve (12) Pages

RFP No.: **Bid 25-05-3688LE**

Project Name: **N55(1-2)4**

Owner: **Navajo Division of Transportation**

Proposer shall make note of and/or incorporate all changes listed below into the requested Request for Proposal (RFP):

1. RFP: Attachments, Bid Schedule, page 1 of 1. The Bid Schedule has been revised and is attached. The updated Contractor Use excel file is also posted to the website.

2. Plans: The Plans were updated, and the following revised Sheets are included in this addendum.

    a. Sheets 3, 4 and 5 of 23 have been revised to change the bid item 41901-0000 ASPHALT RUBBER SURFACE TREATMENT, CHIP SEAL over to 410020 TWO COURSE SURFACE TREATMENT on the tables: Summary of Quantities by Location; Summary of Quantities; and Surfacing Schedule and on the Pavement Phasing Notes/Details. See attached Sheets 3, 4 and 5 of 23.

3. Contract Book: The following changes to the subject Contract Book are incorporated via Addendum No. 4.
    a. Section 410 SURFACE TREATMENT. Replace Section 419. − ASPHALT RUBBER SURFACE TREATMENT with the attached Section 410 SURFACE TREATMENT.

4. Response to questions submitted:

Question Submitted	Response Provided
Will there be any crack sealing on this job? Is it all cold mix in place?	No. The crack sealing scope and bid item was removed in Addendum No. 1. It was replaced with the CCRAC scope/bid item.
As far as removal of base material and repair that is still the same correct?	Yes, the Section A Full Reconstruction repair locations and scope are still the same.

The bid schedule still has crack filling and does not call out cold mix in place. … Any clarification here would be greatly appreciated.	Please refer to and use the updated Bid Schedule form/file (dated July 17, 2025) from this Addendum No. 4.

END OF ADDENDUM NO. 4

Thank you for your interest!

7/18/25

Ardaniel Begay, Principal Contract Analyst
Project Contact Person

BID SCHEDULE
NAVAJO NATION DIVISION OF TRANSPORTATION

PROJECT: N55(1-2)4 **Date: July 17, 2025**

LENGTH: 8.26 miles

ITEM	DESCRIPTION	Quantity	Units	Unit Bid Price	Total Price
10901-0000	Extra & Miscellaneous Work - Authorized under Suppl. Spec. 109.02(s) of Exhibit F	All Required	Lump Sum	$ 300,000.00	$ 300,000.00
FP-14: 31002-1100	CONTINUOUS COLD IN PLACE RECYCLED ASPHALT BASE COURSE (CCRAC) 3", TYPE A	126,100	SY	$	$
410020	TWO COURSE SURFACE TREATMENT	126,100	SY	$	$
203200	UNSUITABLE MATERIAL EXCAVATION	1,900	CY	$	$
303000	BASE COURSE	875	TON	$	$
~~407600~~	~~ASPHALT MATERIAL FOR TACK COAT~~	~~0~~	~~TON~~	$	$
408100	PRIME COAT MATERIAL	242	TON	$	$
~~414000~~	~~HOT POURED CRACK SEALING~~	~~0~~	~~MI~~	$	$
~~414001~~	~~COLD MILLING (ASPHALT)~~	~~0~~	~~SY~~	$	$
~~423283~~	~~HMA SP IV COMPLETE (2" OVERLAY)~~	~~0~~	~~TON~~	$	$
423283	HMA SP IV COMPLETE (3" LIFT)	420	TON	$	$
~~407001~~	~~FOG SEAL~~	~~0~~	~~TON~~	$	$
601100	REMOVAL OF SURFACING	1	LS	$	$
604300	GEOGRID REINFORCEMENT	3,200	SY	$	$
618000	TRAFFIC CONTROL MANAGEMENT	1	LS	$	$
621000	MOBILIZATION	1	LS	$	$
702810	TRAFFIC CONTROL DEVICES FOR CONSTRUCTION	1	LS	$	$
704000	RETROFLECTORIZED PAVEMENT MARKINGS 4"	98,200	LF	$	$
801000	CONSTRUCTION STAKING BY THE CONTRACTOR	1	LS	$	$
			Subtotal:	$	
			Tax (6.25%):	$	
	Contractor Name		**Total Bid Price:**	$	

SCOPE-OF-WORK

The proposed work consists of furnishing all labor, material, equipment and incidentals necessary for construction of 8.26 miles of roadway excavation; placement of aggregate base course, geogrid and asphalt pavement; continuous cold recycled asphalt course pavement of the existing pavement surface; two course surface treatment/chip seal, striping, and other miscellaneous construction in accordance with the specification and design drawings for this Project. The quantities listed for each item is estimated and the Unit Price is applicable to each as given in the Bid Schedule above. The final pay quantity measurements shall be rounded to the significant figures given in this bid schedule for the final pay estimate. Payment for work performed on Items furnished will be made in accordance with Sub-Section 109.05, Scope of Payment of FP-14. **The Unit Bid Price must include all overhead, profit, and bonding.**

SUMMARY OF QUANTITIES BY LOCATION

NMDOT ITEM NO.	ITEM DESCRIPTION	UNIT	A-1	A-2	A-3	SECTIONS B & C	PROJECT TOTAL
FP-14: 31002-1100	CONTINUOUS COLD IN PLACE RECYCLED ASPHALT BASE COURSE (CCRAC) 3", TYPE A	SY	285	1517	427	123836	126100
410020	TWO COURSE SURFACE TREATMENT	SY	285	1517	427	123836	126100
203200	UNSUITABLE MATERIAL EXCAVATION	CY	240	1265	360	-	1900
303000	BASE COURSE	TON	110	585	165	-	875
408100	PRIME COAT MATERIAL	TON	1.0	3.5	1.0	236.5	242
423283	HMA SP IV COMPLETE (3" BOTTOM LIFT)	TON	60	280	80	-	420
704000	RETROFLECTORIZED PAVEMENT MARKINGS 4"	LF	221	1181	332	96466	98200
604300	GEOGRID REINFORCEMENT	SY	403	2148	605	-	3200

SUMMARY OF QUANTITIES

NMDOT ITEM NO.	ITEM DESCRIPTION	UNIT	PROJECT TOTAL
FP-14: 31002-1100	CONTINUOUS COLD IN PLACE RECYCLED ASPHALT BASE COURSE (CCRAC) 3", TYPE A	SY	126100
410020	TWO COURSE SURFACE TREATMENT	SY	126100
203200	UNSUITABLE MATERIAL EXCAVATION	CY	1900
303000	BASE COURSE	TON	875
408100	PRIME COAT MATERIAL	TON	242
423283	HMA SP IV COMPLETE (3" BOTTOM LIFT)	TON	420
601100	REMOVAL OF SURFACING	LS	1
618000	TRAFFIC CONTROL MANAGEMENT	LS	1
621000	MOBILIZATION	LS	1
702810	TRAFFIC CONTROL DEVICES FOR CONSTRUCTION	LS	1
704000	RETROFLECTORIZED PAVEMENT MARKINGS 4"	LF	98200
801000	CONSTRUCTION STAKING BY THE CONTRACTOR	LS	1
604300	GEOGRID REINFORCEMENT	SY	3200

NOTE: ITEM 410020, TWO COURSE SURFACE TREATMENT, THE 1ST APPLICATION SHALL BE 1/2" AGGREGATE GRADATION. THE 2ND APPLICATION SHALL BE 3/8" AGGREGATE GRADATION.

STATE	PROJECT	SHEET NUMBER
NM	N55	3

REMOVAL NOTES

CONSTRUCTION NOTES

REFERENCE NOTES

RHODA JEAN WINDER
NEW MEXICO
29707
PROFESSIONAL ENGINEER
7-3-25

	REVISION	BY	DATE
2	REVISED BID ITEM PER ADD. NO. 4	DDM	7/17/25
1	REVISED SHEET PER ADD. NO. 1	RJW	7/3/2025

NAVAJO NATION
DIVISION OF TRANSPORTATION

N55

SUMMARY OF QUANTITIES

PROJECT MANAGER: RW	DATE: 7/25	DRAWING	SHEET
LEAD DESIGNER: KAN	DATE: 7/25		
AS-BUILT BY:	DATE:		3 OF 23
SCALE: 1"=100' H 1"=20' V			

ESTIMATED QUANTITIES

SURFACING SCHEDULE

STATION	TO	STATION	LENGTH (FT)	DESCRIPTION	203200 UNSUITABLE MATERIAL EXCAVATION			303000 BASE COURSE				408100 PRIME COAT MATERIAL			410020 TWO COURSE SURFACE TREATMENT		FP-14: 31002-1100 CONTINUOUS COLD IN PLACE RECYCLED ASPHALT BASE COURSE (CCRAC) 3", TYPE A			423283 HMA SP IV COMPLETE (3" BOTTOM LIFT)				604300 GEOGRID REINFORCEMENT	
					WIDTH (FT)	DEPTH IN	C.Y.	WIDTH (FT)	DEPTH (IN)	S.Y.	TONS	WIDTH (FT)	S.Y.	TON	WIDTH (FT)	SY	WIDTH (FT)	DEPTH (IN)	S.Y.	WIDTH (FT)	DEPTH (IN)	S.Y.	TONS	WIDTH (FT)	SY
N55																									
915+39.90		1351+77.20	43637.30	CCRAC AND CHIP SEAL	-	-	-	-	-	-	-	26.00	126,063.31	236.5	26.00	126064.00	26.00	3.00	126064	-	-	-	-	-	-
1004+64.22		1005+62.65	98.43	LOCATION A-1 – FULL RECONSTRUCTION	32.52	24.00	240.0	30.34	6.00	331.82	110.0	28.18	308.20	1.0	-	-	-	-	-	28.18	3.00	308.20	60.0	36.82	403.0
1152+28.72		1157+53.68	524.96	LOCATION A-2 – FULL RECONSTRUCTION	32.52	24.00	1,265.0	30.34	6.00	1,769.70	585.0	28.18	1,643.71	3.5	-	-	-	-	-	28.18	3.00	1643.71	280.0	36.82	2148.0
1180+50.38		1181+98.03	147.65	LOCATION A-3 – FULL RECONSTRUCTION	32.52	24.00	360.0	30.34	6.00	497.73	165.0	28.18	462.29	1.0	-	-	-	-	-	28.18	3.00	462.29	80.0	36.82	605.0
				PROJECT SUBTOTAL			1,865.0				860.0			242.0		126,064.00			126,064				420.0		3156.0
				PROJECT USE			**1,900**				**875**			**242**		**126,100**			**126,100**				**420**		**3,200**

⚠2 **NOTE: ITEM 410020, TWO COURSE SURFACE TREATMENT, THE 1ST APPLICATION SHALL BE 1/2" AGGREGATE GRADATION. THE 2ND APPLICATION SHALL BE 3/8" AGGREGATE GRADATION.**

PAVEMENT MARKINGS

STATION	TO	STATION	LOCATION	704000 - RETROFLECTORIZED PAINTED MARKINGS 4"	
				SOLID WHITE	BROKEN YELLOW (10' STRIPE, 30' GAP)
				FT	FT
N55					
915+39.90	-	1351+77.20	REMAINING ROADWAY	87274.6	10909.3
			PROJECT SUBTOTAL	87275	10909
			PROJECT USE	**98200**	

NOTE: QUANTITIES SHOWN INCLUDE TWO APPLICATIONS

ESTIMATED SURFACING FACTORS

ITEMS	* PG 70-22	* HYDRATED LIME	** BITUMINOUS MATERIAL		* UNIT	UNIT
	BY WT OF TOTAL MIX	BY WT OF TOTAL MIX	SPEC 407	SPEC 408	WEIGHT	WEIGHT
			GAL/SY	GAL/SY	LBS/CY	GAL/TON
BASE COURSE					3950	
HMA SP-III	5.3% BY WT. OF TOTAL MIX	1.5% BY WT. OF TOTAL MIX			4000	
HMA SP-IV	5.3% BY WT. OF TOTAL MIX	1.5% BY WT. OF TOTAL MIX			4080	
TACK COAT			0.08 GAL/SY			240.00
PRIME COAT				0.45 GAL/SY		240.00

* FOR ESTIMATING PURPOSES ONLY, ACTUAL WEIGHTS OR PERCENTS SHALL BE DETERMINED BY APPROVED MIX DESIGN.

** FOR ESTIMATING PURPOSES ONLY, APPLICATION RATE SHALL BE DETERMINED BY THE PROJECT MANAGER.

STATE	PROJECT	SHEET NUMBER
NM	N55	4

REMOVAL NOTES

CONSTRUCTION NOTES

REFERENCE NOTES

RHODA JEAN WINDER NEW MEXICO 29707 PROFESSIONAL ENGINEER 7-3-25

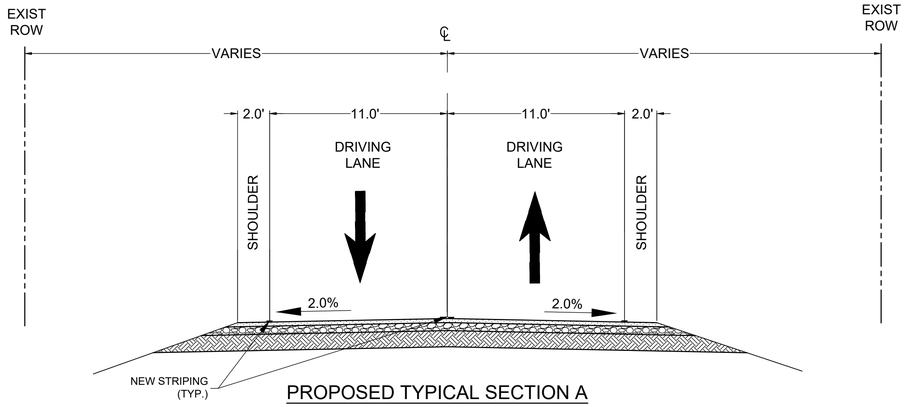
	REVISION	BY	DATE
⚠2	REVISED BID ITEM PER ADD. NO. 4	DDM	7/17/25
⚠1	REVISED SHEET PER ADD. NO. 1	RJW	7/3/2025

NAVAJO NATION
DIVISION OF TRANSPORTATION

N55

ESTIMATED QUANTITIES

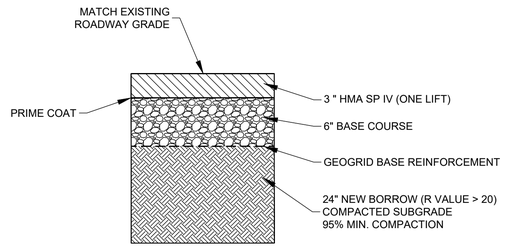
PROJECT MANAGER: RW	DATE: 7/25	DRAWING	SHEET
LEAD DESIGNER: KAN	DATE: 7/25		
AS-BUILT BY:	DATE:		4 OF 23
SCALE: 1"=100' H 1"=20' V			

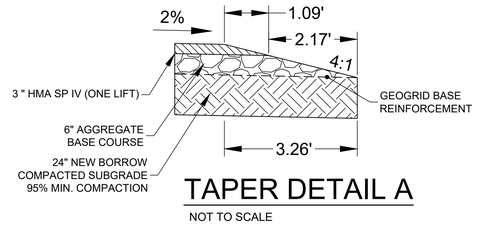


PROPOSED TYPICAL SECTION A

FULL RECONSTRUCTION

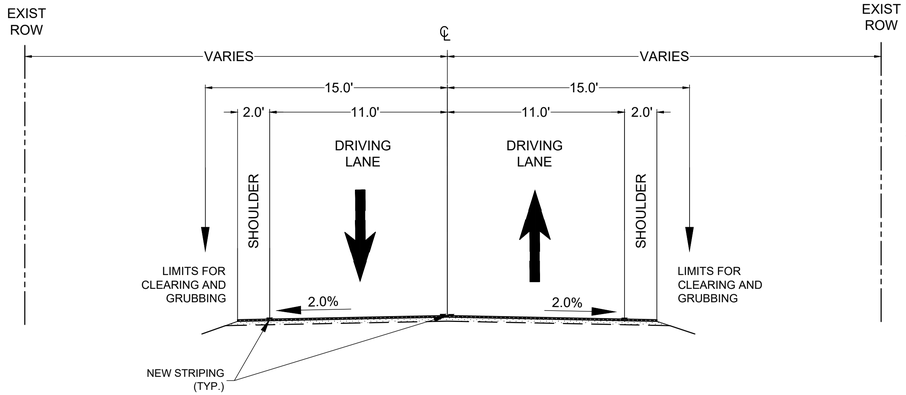
SCALE 1"=5' LOCATIONS A-1, A-2, & A-3





TAPER DETAIL A

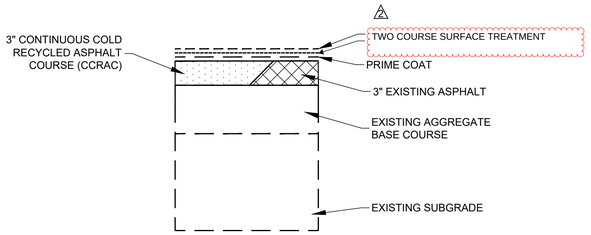
NOT TO SCALE

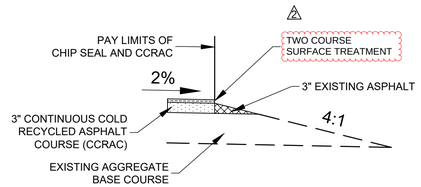


PROPOSED TYPICAL SECTION B & C

CCRAC AND CHIP SEAL

NTS STA 915+39.90 TO 1351+77.20





TAPER DETAIL B & C

NOT TO SCALE

PAVEMENT CONSTRUCTION PHASING NOTES

1. START WITH FULL RECONSTRUCTION LOCATIONS PER PROPOSED TYPICAL SECTION A. LIMIT THE CONSTRUCTION AREA TO 1-MILE LENGTHS.
   - A - REMOVE EXISTING ASPHALT, BASE COURSE AND 2 FEET OF EXISTING SUBGRADE MATERIAL.
   - B - PLACE AND COMPACT 2 FEET OF NEW BORROW MATERIAL (R-VALUE > 20).
   - C - PLACE GEOGRID BASE REINFORCEMENT.
   - D - PLACE AND COMPACT 6 INCHES OF NEW AGGREGATE BASE MATERIAL.
   - E - PLACE PRIME COAT.
   - F - PLACE AND COMPACT 3 INCH HMA SP IV TO MATCH EXISTING ROADWAY GRADE.
2. COMPLETE FINAL OPERATIONS PER TYPICAL SECTIONS B & C. LIMIT THE CONSTRUCTION AREA TO 2-MILE LENGTHS.
   - A - CLEAR AND GRUB 2 FEET PAST ROADWAY EDGE. CLEAN ROADWAY SURFACE OF DEBRIS AND DIRT.
   - B - FILL THE LARGER CRACKS WITH FINE SAND.
   - C - 3" COLD MILL, MIX, PLACE AND COMPACT CCRAC.
   - D - PLACE PRIME COAT.
   - E - PLACE TWO COURSE SURFACE TREATMENT. (2)
3. COMPLETE STRIPING OPERATIONS. CONDUCT USING A MOBILE TRAFFIC CONTROL OPERATION.

(2) NOTE: ITEM 410020, TWO COURSE SURFACE TREATMENT, THE 1ST APPLICATION SHALL BE 1/2" AGGREGATE GRADATION. THE 2ND APPLICATION SHALL BE 3/8" AGGREGATE GRADATION.

STATE	PROJECT	SHEET NUMBER
NM	N55	5

REMOVAL NOTES

CONSTRUCTION NOTES

REFERENCE NOTES

1. SEE SHEET 23 FOR TRAFFIC CONTROL DETAILS.

RHODA JEAN WINDER NEW MEXICO 29707 PROFESSIONAL ENGINEER 7-3-25

(2)	REVISED BID ITEM PER ADD. NO. 4	DDM	7/17/25
(1)	REVISED SHEET PER ADD. NO. 1	RJW	7/3/2025
	REVISION	BY	DATE

NAVAJO NATION DIVISION OF TRANSPORTATION

N55

TYPICAL SECTIONS

PROJECT MANAGER: RW	DATE: 7/25	DRAWING	SHEET
LEAD DESIGNER: KAN	DATE: 7/25		
AS-BUILT BY:	DATE:		5 OF 23
SCALE: 1"=100' H 1"=20' V			

July 17, 2025

SPECIAL PROVISIONS
FOR
SECTION 410: SURFACE TREATMENT

The 2019 Edition of the New Mexico Government of Transportation Standard Specifications for Highway and Bridge Construction shall apply in addition to the following:

410.1 DESCRIPTION

This Work consists of constructing one (1) or two (2) Courses of Surface Treatment on a prepared and treated existing surfacing to include crushing, stockpiling, hauling, aggregate, binder and placement.

410.2 MATERIALS

410.2.1 General

The Contractor shall provide Surface Treatment composed of asphalt binder and aggregate.

410.2.2 Asphalt Binder

The type and grade of asphalt binder will be approved by the Construction Manager and shall be in accordance with AASHTO M 320 and the requirements of Standard Specifications Section 402,"Asphalt Materials and Mineral Admixtures".

410.2.3 Aggregate

The aggregate is crushed stone or crushed gravel, composed of hard durable particles or fragments.

Accepted aggregate Material shall meet the following requirements:

1. Have a minimum of 75% two (2) Fractured Faces as determined in accordance with AASHTO T 335, Fractured Face Determination for Coarse Aggregate;
2. Be free of organic matter, lumps of clay, or other Material that prevents thorough coating with asphalt binder;
3. Have an Aggregate Index (AI) of 20 or less when determined in accordance with Standard Specifications Section 910, "Aggregate Index"; and
4. The Government will allow the combination of Materials from two (2) or more sources if each source independently meets the requirements of items two (2) and three (3), above.

The Contractor shall ensure the aggregate meets the gradation requirements inTable 410.2.3:1 "Surface Treatment Aggregate Gradation Requirements," when tested in accordance with AASHTO T 11 and AASHTO T 27. The Government will determine aggregate combined aggregate gradation Acceptance by testing samples of the combined aggregates and mineral admixture taken before adding asphalt Materials.

Table 410.2.3:1
Surface Treatment Aggregate Gradation Requirements

	% Passing		
Sieve Size	1/2 Inch	3/8 Inch	1/4 Inch
3/4 Inch	100	100	100
1/2 Inch	95-100	100	100
3/8 Inch	0-60	95-100	100
No. 4	0-10	0-35	95-100
No. 8	0-3	0-3	0-3
No. 200	0-1.5	0-1.5	0-1.5

Aggregate that becomes contaminated or otherwise unusable shall be corrected by screening or washing at no cost to the Government. The extent of contaminated or unusable aggregate shall be determined by the Construction Manager.

410.2.4 Blotter Material
Blotter Material shall be in accordance with Standard Specifications Section 408, "Prime Coat".

410.3 CONSTRUCTION REQUIREMENTS
The rate of placement of Surface Treatment and rolling operations shall be coordinated to produce a satisfactory Surface Treatment. The Construction Manager may suspend the Work when any phase of the operation is being jeopardized. The Work shall not be resumed until the Contractor has complied with the requirements herein provided and as directed by the Construction Manager.

The Contractor shall maintain and repair damage to the Surface Treatment resulting from public traffic or the Contractor's operations at no cost to the Government.

410.3.1 Weather Limitations
The Contractor shall not place Surface Treatment during wet or inclement weather, or when weather conditions otherwise adversely affect setting rate and curing of the asphalt binder as determined by the Construction Manager. The Contractor shall not place Surface Treatment if either existing pavement or air temperature is below 60°F, but may be placed when both pavement and air temperatures are above 55°F and rising.

410.3.2 Stockpiling
Stockpiling shall be performed in accordance with Standard Specifications Section 303.3.5, "Stockpiled Base Course".

410.3.3 Control Strips
The spread rates of asphalt binder and aggregate and the Contractor's construction sequencing will be evaluated by use of control strips. The Contractor shall construct a control strip approximately 1,300 feet. long at the beginning of the Work and when there is a change in source of aggregate or asphalt binder. The Contractor shall build the control strip and allow traffic on the control strip for a period of 24 hours after brooming operations have been completed. If the Construction Manager determines that the required results are being obtained, operations may proceed, otherwise additional control strips shall be constructed as directed by the Construction Manager.

410.3.4 Equipment
All Equipment shall be of type approved by the Construction Manager. The Construction Manager may require the Contractor to remove and replace any Equipment used in placing Surface Treatment that proves to be unsatisfactory.

410.3.4.1 Heater and Distributor
The Equipment for heating and applying the asphalt binder shall be in accordance with Standard Specifications Section 408.3.2, “Equipment”.

410.3.4.2 Brooms
The Contractor shall have on hand at all times at least one (1) rotary power broom, suitable for removing aggregate that becomes dislodged from the surface.

410.3.4.3 Rollers
The Contractor shall provide rollers that are self-propelled, in good condition and capable of reversing without backlash.

The Contractor shall provide one (1) tandem or three-wheel roller weighing between five (5) and 10 tons.

The Contractor shall also provide a self-propelled pneumatic tired roller weighing not less than four (4) tons nor more than 10 tons without ballast. Peneumatic tire rollers shall be equipped with not less than four (4) front wheels and not less than five (5) rear wheels. The front and rear wheels shall be spaced so that the gap between adjacent tires will be coverd by the path of the following tire. All tires shall be inflated to a pressure that will exert a ground pressure of 30 psi to 50 psi. A second pneumatic-tire roller may be used in lieu of the steel wheel roller when approved by the Construction Manager.

410.3.4.4 Spreaders
The Contractor shall spread the aggregate by self-propelled aggregate spreaders, supported by at least four (4) wheels equipped with pneumatic tires on two (2) axles and equipped with a mechanical device which will spread the Surface Treatment at a uniform rate ranging from 9.5 pounds per square yard to 40 pounds per square yard. The aggregate spreader shall be equipped with a means of applying the larger aggregate required uniformly over the full width of the asphalt binder. Other types of aggregate spreaders may be used provided they produce equivalent results and are approved by the Construction Manager.

410.3.5 Preparation of Surface
Immediately prior to applying asphalt binder, the Contractor shall thoroughly clean all dirt and loose Material by sweeping with power brooms, hand brooms, compressed air or other approved methods.

The Contractor shall remove unstable corrugated areas and replace with suitable patching Materials as approved by the Construction Manager.

410.3.6 Application of Asphalt Binder
The rate of application of asphalt binder shall be as shown in the Plans or established by the Construction Manager. The Contractor shall apply the asphalt binder by means of a pressure distributor in a uniform spread over the section to be treated. The application temperature range of the asphalt binder shall be approved by the Construction Manager.

In areas where the use of a distributor is not practical, the Contractor shall apply the asphalt binder by hand or other approved methods. The Contractor shall correct areas where the amounts of asphalt binder are deficient or excessive at no cost to the Government.

Longitudinal laps shall be from three (3) to six (6) inches in width. The lapping or feathering of transverse joints will not be permitted. Building paper or other approved methods shall be used in making transverse joints to provide a smooth, uniform surface. Methods which create uneven surfaces will not be permitted. All asphalt binder adhering to the surfaces of structures, curbs, gutter, sidewalks, or other similar surfaces shall be removed at no cost to the Government.

The spread of asphalt binder shall not be more than six (6) inches wider than the width covered by the aggregate from the spreading device.

The application of asphalt binder shall be limited to that area which can be completely covered with aggregate while the asphalt binder is still fluid as determined by the Construction Manager.

410.3.7 Application of Aggregate

At the time of application, Surface Treatment aggregate shall have a moisture content of two percent (2%) or less by dry weight. If so directed, the Contractor shall moisten the aggregate with water. Moistening shall be done at least one (1) day before the aggregate is to be applied. When shown in the Plans, the aggregate shall be uniformly coated with the designated asphalt binder in an amount of approximately one and a half percent (1.5%) by dry weight. The coated aggregate shall be of such consistency that it can be uniformly spread with mechanical spreaders.

Immediately following the application of the asphalt binder, the Contractor shall place aggregate at the rate shown in the Plans or established by the Construction Manager. The Contractor shall immediately correct irregularities and bare spots.

The Contractor shall spread the aggregate in such a manner that the tires of the haul trucks or spreader do not contact the uncovered and newly applied asphalt binder.

410.3.8 Rolling Requirements

Immediately following the application of the aggregate, the Contractor shall roll the surface. The initial rolling shall begin at the outside edge of the Surface Treatment and progress towards the center. The intial rolling shall consist of one (1) pass over the entire surface within 15 minutes after the aggregate has been applied. Steel wheel rollers shall be operated at a maximum speed of three (3) mph.

The Contractor shall roll the Surface Treatment with pneumatic-tire rollers immediately after completion of the initial rolling. The entire suface of the Surface Treatment shall be rolled at least four (4) times unless otherwise directed by the Construction Manager. Pneumatic-tired rollers shall be operated at a maximum speed of eight (8) mph.

410.3.9 Surface Treatments

When two (2) applications of Surface Treatment are required, the method of applying and finishing each additional application of Surface Treatment shall conform with the requirements for one (1) application of Surface Treatment. The time between placement of the first and second application of Surface Treatment shall be 12 hours and the time between placement of the second application of Surface Treatment and the

HMA overlay shall be 12 hours, or as determined by the Construction Manager. During these operations, the lane will be closed to all traffic except construction vehicles.

410.3.10 Finishing Operations

After application and rolling of the Surface Treatment, the Contractor shall keep all traffic off the new pavement for at least two (2) hours unless otherwise directed by the Construction Manager.

When public traffic is routed over the Surface Treatment, the Contractor shall use flagmen and pilot cars for a period of 10 hours after allowing traffic on the surface, unless otherwise directed by the Construction Manager. Pilot cars shall travel at a speed not to exceed 15 mph.

The Contractor shall remove loose aggregate from the Surface Treatment by brooming prior to placing traffic on the Surface Treatment. Brooming shall be performed no sooner than twelve (12) hours after rolling, and again twelve (12) to twenty four (24) hours after initial brooming. The Construction Manager will determine the actual time of brooming.

410.3.10.1 Blotter Material

The Contractor shall have approved blotter Material available at all times. The Construction Manager shall specify the rate of application. The Contractor shall uniformly spread Blotter Material with Equipment approved by the Construction Manager. Supplemental spreading or smoothing shall be done by hand methods where necessary and as directed by the Construction Manager.

When directed by the Construction Manager, the Contractor shall remove and dispose of excess blotter Material. The method of removal and disposal of blotter Material shall be the Contractor's responsibility.

410.3.11 Acceptance

The Contractor shall produce Surface Treatment in substantial compliance with Specification requirements. All Material that is rejected, at the sole discretion of the Government, shall be removed and replaced with Specification Material at the Contractor's expense.

410.4 METHOD OF MEASUREMENT

Surface treatment will be measured by the square yard using the dimensions shown on the Plans or aproved field measurements.

Asphalt binder WILL NOT be measured and shall be considered as included in the Two Course Surface Treatment bid item.

410.5 BASIS OF PAYMENT

Pay Item	Pay Unit
Two Course Surface Treatment	Square Yard

410.5.1 Work included In Payment

The Government will consider as included in the payment for the pay item(s) listed in this section and will not measure or pay separately for the following Work:

1. Control strip;
2. Preparation and/or Compacting of existing surface;
3. Asphalt Binder;
4. Provide blotter Material as required; and
5. Removal of unstable areas and patching Materials.