

**ITEM 614 - MAINTAINING TRAFFIC**

A MINIMUM OF ONE LANE OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES PER ITEM 614 AND AS PER SCD MT-97.12. LENGTH AND DURATION OF THE LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECTS IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATED WITH THE WORK IN PROGRESS.

THE CONTRACTOR SHALL MAINTAIN ACCESS TO TAPPAN LAKE AND ALL OF IT'S PUBLIC-USE FACILITIES THROUGHOUT THE DURATION OF THE PROJECT. THE REST AREA AT SLM 4.22 IS TO BE RESURFACED WITH PART 4 OF THIS PROJECT AND SHALL ONLY BE CLOSED TO TAFFIC FOR THE DURATION NEEDED TO COMPLETE THE PROPOSED WORK.

THE CONTRACTOR SHALL NOT PERFORM ANY WORK ON THIS PROJECT THAT IMPEDES TRAFFIC BETWEEN THE HOURS OF 7:00 AM TO 7:00 PM (I.E. NIGHT PAVING) EXCEPT AS OUTLINED BELOW FOR PART 2. TIME ALLOWED FOR SETUP AND REMOVAL OF M.O.T. SHALL BE PERFORMED IN THE STATED TIME PERIOD.

THE CONTRACTOR SHALL USE TEMPORARY SIGNALS TO MAINTAIN TRAFFIC DURING CONCRETE REPAIR WORK FOR PART 2. THIS WORK SHALL BE COMPLETED PER THE WORK RESTRICTIONS FOR FULL DEPTH REPAIRS NOTE, THIS SHEET.

THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN W-8-H15 \*GROOVED PAVEMENT\* SIGNS PER CMS 614.055. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN SIGNS W8-1 (48"x48") "BUMP" AND W8-2 (48"x48") "DIP" WITH W13-1P (24"x24") ADVISORY SPEED PLAQUE WITH SPEEDS APPROVED BY THE ENGINEER FOR ALL BUTT JOINT LOCATIONS, WHILE THE BUMP OR DIP CONDITION EXISTS.

THE PLANING AND RESURFACING WILL PROCEED CONTINUOUSLY A MINIMUM OF FIVE (5) DAYS PER WEEK, WEATHER PERMITTING, EXCEPT FOR THE HOLIDAYS AND EVENTS LISTED BELOW. ANY OPEN PAVEMENT TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR PORTABLE BARRIER, PER SCD MT-101.90.

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR SPECIAL EVENTS:

MEMORIAL DAY FOURTH OF JULY (OBSERVED) LABOR DAY

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR SPECIAL EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY TIME ALL LANES OR SPECIAL EVENT MUST BE OPEN TO TRAFFIC

SUNDAY 12:00N FRIDAY THROUGH 6:00 AM MONDAY  
 MONDAY 12:00N FRIDAY THROUGH 6:00 AM TUESDAY  
 TUESDAY 12:00N MONDAY THROUGH 6:00 AM WEDNESDAY  
 WEDNESDAY 12:00N TUESDAY THROUGH 6:00 AM THURSDAY  
 THURSDAY 12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY  
 THURSDAY (THANKSGIVING ONLY) 6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY  
 FRIDAY 12:00N THURSDAY THROUGH 6:00 AM MONDAY  
 SATURDAY 12:00N FRIDAY THROUGH 6:00 AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED LIQUIDATED DAMAGES IN THE AMOUNT OF \$4,500 FOR EACH HOUR THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

**ITEM 614 - MAINTAINING TRAFFIC (CONTINUED...)**

WHEN RAISED PAVEMENT MARKERS ARE TO BE INSTALLED, THE REQUIRED LANE CLOSURE SHALL REMAIN IN EFFECT UNTIL THE EPOXY IS DRY AND ALL FOREIGN MATTER OR DEBRIS CREATED BY THE INSTALLATION OF THE RPM CASTING IS REMOVED FROM THE ROADWAY.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

**WORK RESTRICTIONS FOR FULL DEPTH REPAIRS**

FOR FULL DEPTH REPAIRS ON U.S. 250 (PART 2), THE CONTRACTOR SHALL EMPLOY THE USE OF PORTABLE SIGNALS AND BARRELS TO ALLOW FOR SHORT LANE CLOSURES. THE SIGNALS MUST BE APPROVED BY THE ENGINEER AND THE WORK ZONE LENGTH SHALL NOT EXCEED 750 FEET.

SEE SCD MT-96.11, MT-96.20, AND MT-96.26 FOR LAYOUT, PHASING, AND WIRING OF TRAFFIC CONTROL SIGNALS.

TIME ALLOWED FOR SETUP AND REMOVAL OF M.O.T. SHALL BE PERFORMED IN THE STATED TIME PERIOD.

**ITEM 614 - WORK ZONE PAVEMENT MARKINGS, CLASS II, 642 PAINT**

**ITEM 614 - WORK ZONE PAVEMENT MARKINGS, CLASS III, 642 PAINT**

THE CONTRACTOR SHALL INSTALL ITEM 614 - WORK ZONE CENTER LINE, CLASS II OR CLASS III, 642 PAINT PRIOR TO OPENING THE LANE TO TRAFFIC, OR WHEN THE EXISTING MARKINGS HAVE BEEN COVERED OR DAMAGED, AS PER CMS 614.11.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

WORK ZONE PAVEMENT MARKINGS TABLE						
PART	LOCATION	614				FUNDING
		WORK ZONE CENTER LINE, CLASS II, 642 PAINT	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
		MILE	MILE	FT.	FT.	
1	U.S. 250	22.56	22.56	2,325	54	
3	U.S. 250	11.13	11.13	630	78	
<b>TOTALS (CARRIED TO GENERAL SUMMARY)</b>		<b>33.69</b>	<b>33.69</b>	<b>2,955</b>	<b>132</b>	<b>01/NHS/05</b>

**ITEM 614 - WORK ZONE MARKING SIGNS**

THE CONTRACTOR SHALL ERECT "NO EDGE LINE" (W8-H12a) SIGNS IN ADVANCE OF ANY SECTION OF ROADWAY LACKING CMS STANDARD EDGE LINE MARKINGS, AS PER CMS 614.04.

IN THE EVENT THE CONTRACTOR CANNOT INSTALL THE WORK ZONE CENTER LINE, CLASS III, DUE TO CONDITIONS BEYOND HIS CONTROL, OR WHEN CLASS II PAVEMENT MARKINGS ARE USED, AN ESTIMATED CONTINGENCY QUANTITY FOR "DO NOT PASS" (R4-1) AND "PASS WITH CARE" (R4-2) SIGNS HAVE BEEN PRODUCED IN THE "WORK ZONE MARKING SIGN TABLE" WHICH SHALL BE ERECTED BY THE CONTRACTOR IN LIEU OF THE AFOREMENTIONED PAVEMENT MARKINGS. THE APPROPRIATE SIGNAGE SHALL BE PLACED AS PER OMUTCD SECTIONS 2B.28 AND 2B.29 PRIOR TO THE COVERINGS, OR REMOVAL OF EXISTING PAVEMENT MARKINGS.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR WORK ZONE MARKING SIGNS PER THE REQUIREMENTS ABOVE AND ITEM 614 OF THE SPECIFICATIONS.

ITEM 614 - WORK ZONE MARKING SIGN **98 EACH**

WORK ZONE MARKING SIGN TABLE						
PART	LOCATION	614			FUNDING	
		WORK ZONE MARKING SIGN				
		NO EDGE LINES (W8-H12a)	DO NOT PASS (R4-1)	PASS WITH CARE (R4-2)		
		EACH	EACH	EACH		
1	U.S. 250	28	17	18		
3	U.S. 250	14	11	10		
<b>TOTALS (CARRIED TO GENERAL SUMMARY)</b>		<b>98</b>			<b>01/NHS/05</b>	

**FLOODLIGHTING**

FLOODLIGHTING OF THE WORK SITE OPERATIONS CONDUCTED DURING NIGHT TIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGHOUT THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED, THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER BEFORE WORK PROCEEDS. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

**NOTIFICATION OF TRAFFIC RESTRICTIONS**

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT MANAGER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECIEVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH IF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

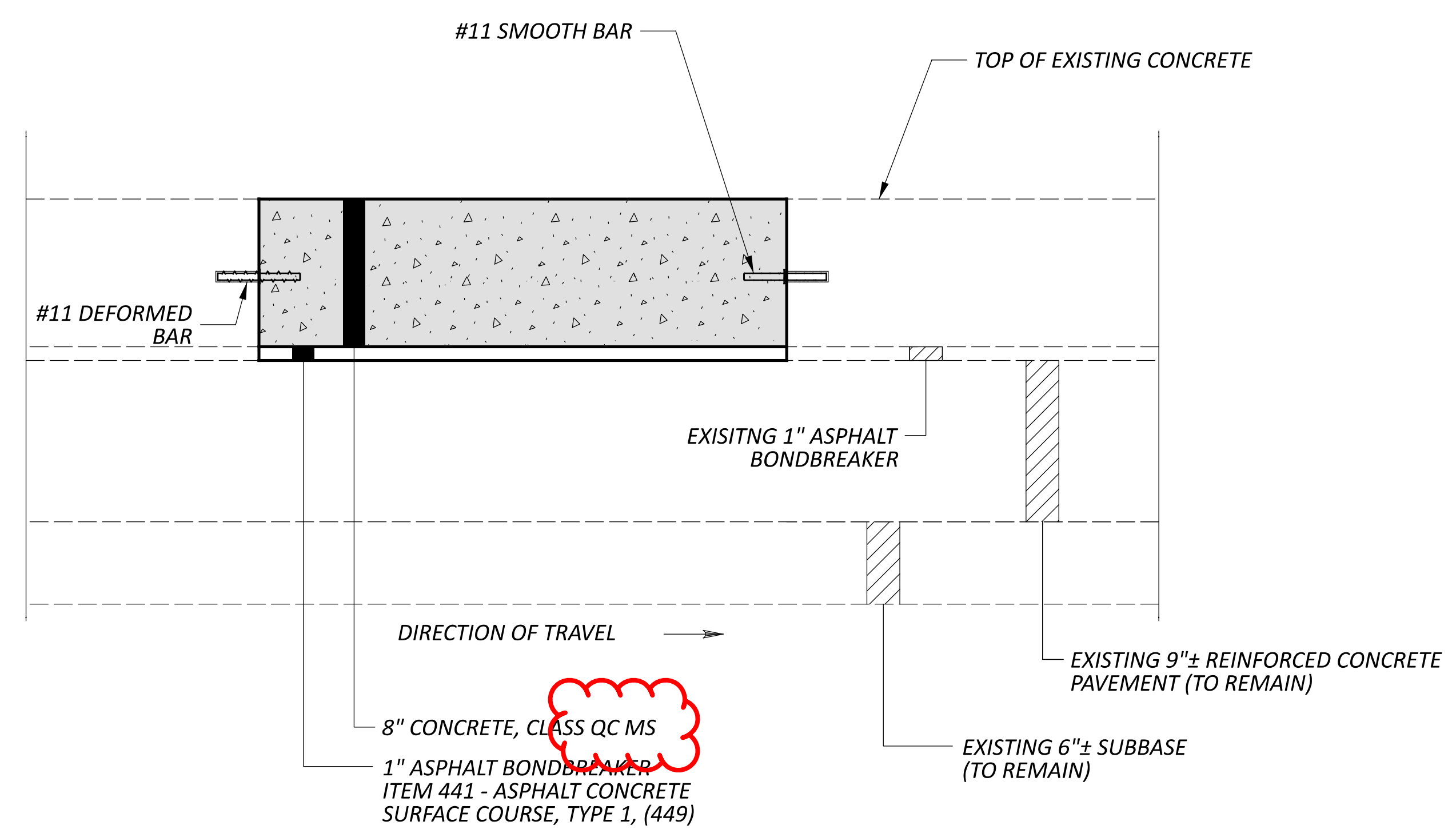
NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE		
ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDER DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDER DAYS PRIOR TO CLOSURE
	<= 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDER DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDER DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT USING THE NOTIFICATION TIME TABLE.









**MAINLINE PAVEMENT REPAIR TYPICAL (CONCRETE)**  
**PART 2 - SLM 11.72 TO 14.02**

FOR DETAILS NOT SHOWN SEE STANDARD CONSTRUCTION DRAWING BP-2.5  
 FOR TRANSVERSE JOINT REPAIR DETAILS AND BP-2.1 FOR LONGITUDINAL JOINT DETAILS

**ITEM 255 - FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, TYPE 1, CLASS QC MS, AS PER PLAN**

THE ESTIMATED QUANTITIES ARE TO BE CONSIDERED APPROXIMATE. A FINAL FIELD REVIEW WILL BE PERFORMED BY ODOT PRIOR TO CONSTRUCTION AND FINAL LOCATIONS WILL BE GIVEN TO THE CONTRACTOR PRIOR TO CONSTRUCTION.

THIS WORK CONSISTS OF REMOVING THE EXISTING REINFORCED CONCRETE AND THE ASPHALT BONDBREAKER; PLACING 1" ASPHALT BONDBREAKER; THEN INSTALLING DOWEL RODS FOLLOWED BY CONCRETE PAVEMENT, CLASS QC MS.

IN ADDITION TO THE REQUIREMENTS OF ITEM 255.06 PLACEMENT OF PORTLAND CEMENT CONCRETE, THE CONTRACTOR SHALL CHECK ALL COMPLETED PATCH AREAS WITH A 10 FOOT STRAIGHT EDGE IN THE PRESENCE OF THE ENGINEER TO VERIFY THAT THE 1/8" IN 10 FEET TOLERANCE HAS BEEN MET. IF THE FINISHED SURFACE DOES NOT MEET THE SPECIFIED TOLERANCE, PROFILE CORRECTIONS MUST BE ACCOMPLISHED BY DIAMOND GRINDING AS PER ITEM 257 DIAMOND GRINDING PORTLAND CEMENT CONCRETE PAVEMENT. WHERE DIAMOND GRINDING IS NECESSARY ALL COST FOR MATERIAL, LABOR AND EQUIPMENT SHALL BE INCLUDED WITH THE APPROPRIATE ITEM 255, FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, BY TYPE, BY CLASS, AS PER PLAN QUANTITY.

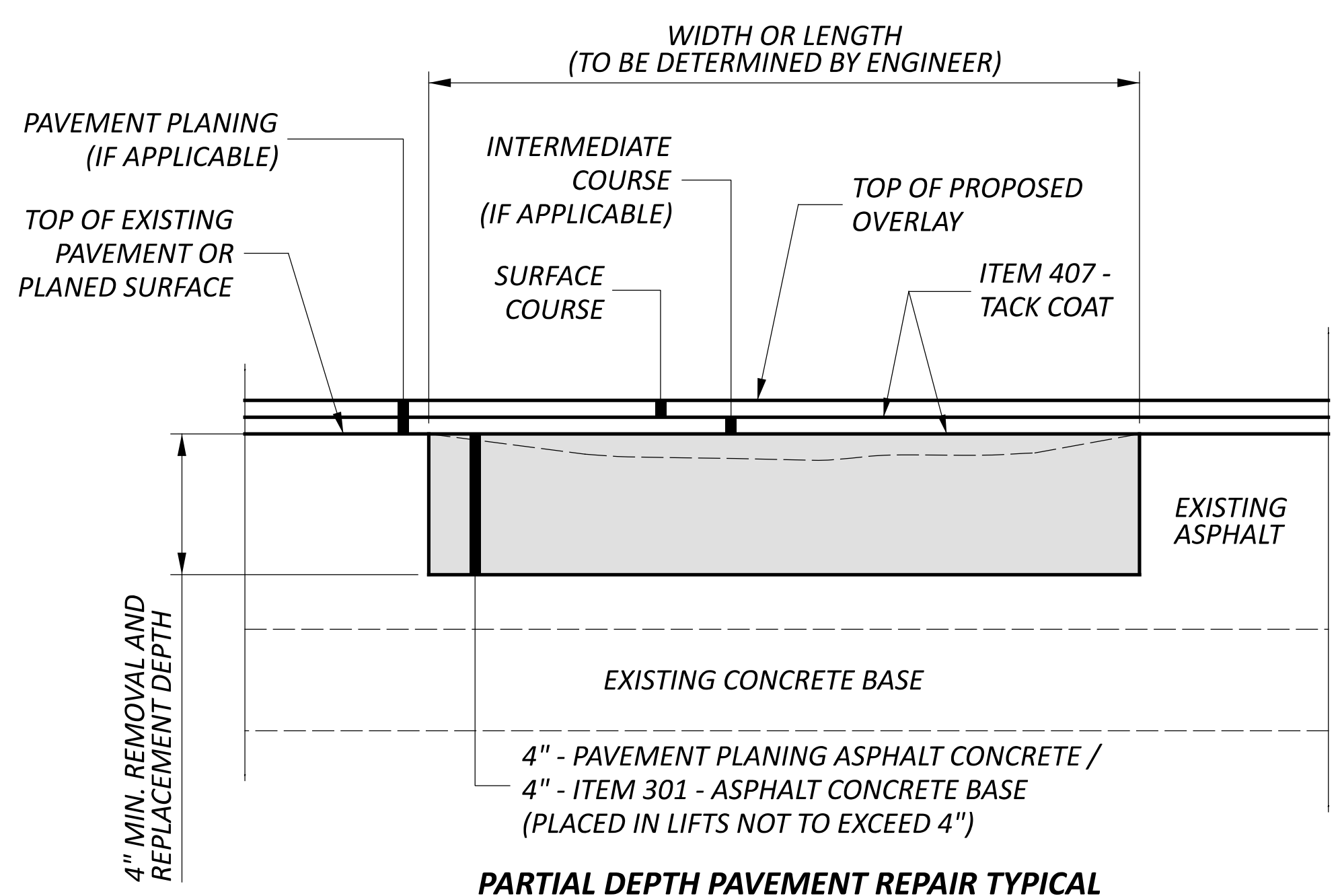
THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN PROVIDED FOR INFORMATION ONLY:

8" CONCRETE, CLASS QC MS.....	267 CU. YD.
ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449) .....	33 CU. YD.
ITEM 509 - EPOXY COATED REINFORCING .....	11,158 POUNDS
ITEM 510 - DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT .....	1,800 EACH

ALL OTHER PROVISIONS OF STANDARD CONSTRUCTION DRAWINGS BP-2.1 AND BP-2.5 APPLY.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER. FINAL PAYMENT FOR THESE ITEMS SHALL BE FOR THE ACCEPTED QUANTITY COMPLETED IN PLACE.

PART 2 (01/NHS/05)	
ITEM 255 - FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, TYPE 1, CLASS QC MS, AS PER PLAN .....	<b>1,200 SQ. YD.</b>
PART 2 (01/NHS/05)	
ITEM 255 - FULL DEPTH PAVEMENT SAWING .....	<b>2,800 FT.</b>



**PARTIAL DEPTH PAVEMENT REPAIR TYPICAL**  
**PART 1 - SLM 4.20 TO 11.72**  
**PART 3 - SLM 14.02 TO 17.73**

**ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE)**

THIS ITEM OF WORK SHALL ADHERE TO THE REQUIREMENTS DETAILED IN CMS 251 EXCEPT IN LIEU OF PLACING MULTIPLE SURFACE COURSE LIFTS FOR THE REPAIR, THE CONTRACTOR SHALL PLACE AND COMPACT ONE FOUR (4) INCH LIFT OF ITEM 301, ASPHALT CONCRETE BASE, PG64-22. ODOT SHALL PERFORM A FINAL FIELD REVIEW PRIOR TO CONSTRUCTION AND AT THAT TIME, THE ENGINEER WILL DETERMINE AND MARK THE SIZE AND LOCATION FOR EACH REPAIR FOR THE CONTRACTOR. FINAL PAYMENT FOR THESE LOCATIONS SHALL BE FOR THE ACCEPTED QUANTITY COMPLETED IN PLACE.

ALL PARTIAL DEPTH REPAIRS SHALL BE COMPLETED AFTER MILLING AND PRIOR TO COMMENCING PAVING OPERATIONS.

PAYMENT FOR ALL LABOR, EQUIPMENT, AND MATERIALS SHALL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE). THE ESTIMATED QUANTITIES FROM THIS SHEET ARE TO BE USED AS DIRECTED BY THE ENGINEER.

ESTIMATED QUANTITIES	
PART 1 (01/NHS/05)	
ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE)	200 CU. YD.
PART 3 (01/NHS/05)	
ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE)	25 CU. YD.

**TOTAL USE: 225 CU. YD.**