

PAVEMENT

ITEM 202 - WEARING COURSE REMOVED, AS PER PLAN

THIS ITEM SHALL BE USED TO REMOVE THE EXISTING ASPHALT OVERLAYS FULL WIDTH. THE TYPICAL REMOVAL SHALL BE TO THE TOP OF THE CONCRETE BASE. IN AREAS WHERE THERE IS FLEXIBLE PAVEMENT OR SHOULDERS, THE REMOVAL SHALL BE TO A DEPTH EQUAL TO THAT OF THE REMOVAL OVER THE CONCRETE BASE.

AREAS WHICH HAVE TRANSVERSE WEDGES (BUTT JOINTS AND STRUCTURES) ARE TO BE REMOVED IN TWO PASSES AS REQUIRED FOR MAINTAINING TRAFFIC. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THE SECOND PASS.

PRIOR TO REMOVING ANY AREA OF WEARING COURSE, THE CONTRACTOR SHALL REFERENCE ALL BADLY DISTRESSED JOINTS OR CRACKS. BADLY DISTRESSED JOINTS OR CRACKS ARE THOSE WHICH INDICATE REPEATED PATCHING AND/OR SIGNIFICANT SEPARATION. THESE JOINTS TYPICALLY INDICATE SURFACE FAILURE DUE TO SIGNIFICANT VERTICAL JOINT MOVEMENT. THE CRITERIA FOR DETERMINING THE JOINTS WHICH ARE TO BE REFERENCED SHALL BE AS APPROVED BY THE ENGINEER.

THE JOINT REFERENCING SHALL INCLUDE THE APPROPRIATE LANE NUMBER AND SHALL BE MARKED BEYOND THE SHOULDER LIMITS DIRECTLY IN LINE WITH THE FAILED JOINT.

ALL ADDITIONAL COSTS FOR THIS FIELD SURVEY AND JOINT REFERENCING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 202, WEARING COURSE REMOVED, AS PER PLAN.

ITEM 617 - COMPACTED AGGREGATE, TYPE A, AS PER PLAN

THIS ITEM SHALL BE USED ALONG ALL THE SHOULDERS. MATERIAL SHALL BE LIMITED TO CRUSHED SLAG, CRUSHED LIMESTONE OR ASPHALT GRINDINGS. IF ASPHALT GRINDINGS ARE USED THE ONLY MATERIAL REQUIREMENT IS THAT 100% SHALL PASS A 1" SIEVE.

THE ACTUAL DEPTH USED WILL VARY DEPENDING UPON EXISTING CONDITIONS. FOR ESTIMATING PURPOSES, AN AVERAGE DEPTH OF 2 INCHES WILL BE USED. WATER, IF NEEDED, SHALL BE APPLIED AS PER 617 AND INCLUDED UNDER ITEM 617; COMPACTED AGGREGATE, TYPE A, AS PER PLAN.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM	DESCRIPTION	QUANTITY	UNIT
617	COMPACTED AGGREGATE, TYPE A, APP	900	CU.YD.
617	WATER	9	M. GAL

ALIGNMENT AND PROFILE

THE WORK PROPOSED BY THIS PROJECT IS FOR THE RE-SURFACING OF THE EXISTING PAVEMENT. THE PROFILE OF THE PROPOSED SURFACE WILL BE THE SAME AS THAT OF THE EXISTING SR-2, SR-44 AND RAMP PAVEMENT, EXCEPT WHERE OTHERWISE SHOWN IN THE PLANS.

ITEM 304 - AGGREGATE BASE, AS PER PLAN

THE ONLY SLAG MATERIALS PERMITTED FOR THIS ITEM SHALL BE CRUSHED AIR-COOLED BLAST FURNACE SLAG, A MIXTURE OF CRUSHED AND GRANULATED SLAGS, OR OPEN HEARTH SLAG FROM APPROVED SOURCES ON FILE AT THE LABORATORY.

ALL MATERIALS OR BLENDED MATERIALS SHALL MEET THE GRADATION REQUIREMENTS OF 304.02.

ANY GRANULATED SLAG MATERIAL USED SHALL MEET THESE GRADATION REQUIREMENTS IN LIEU OF 703.08

ITEM 305 - CONCRETE BASE, AS PER PLAN

IN ADDITION TO THE REQUIRMENTS OF 305.01, LOAD TRANSFER DEVICES ARE REQUIRED AT ALL TRANSVERSE CONTRACTION, CONSTRUCTION, AND EXPANSION JOINTS.

WHERE PROPOSED 305 BASE PAVEMENT IS TIED LONGITUDINALLY TO EXISTING PAVEMENT, TRANSVERSE JOINT SPACING AS REQUIRED IN BP-2.2 SHALL BE WAIVED. TRANSVERSE JOINTS SHALL BE LOCATED IN THE PROPOSED 305 BASE PAVEMENT AT ALL EXISTING TRANSVERSE JOINTS TO REMAIN AND ALL PROPOSED TYPE Y OR TYPE T JOINTS. JOINTS SHALL BE CONSTRUCTED TO FORM A CONTINUOUS LINE IN THE SAME ALIGNMENT AS THE TRANSVERSE JOINT IN THE ADJACENT EXISTING PAVEMENT.

WHERE PROPOSED 305 BASE PAVEMENT IS NOT TIED LONGITUDINALLY TO EXISTING PAVEMENT, JOINT SPACING IN THE PROPOSED 305 BASE SHALL BE IN ACCORDANCE WITH THE APPLICABLE STANDARD DRAWING.

ITEM 618 - RUMBLE STRIPS, TYPE 2 (ASPHALT)

THE FOLLOWING ESTIMATED QUANTITY SHALL BE USED TO CONSTRUCT ITEM 618, RUMBLE STRIPS, TYPE 2 (ASPHALT) AS PER STANDARD DRAWING BP-9.1:

ITEM 618 - RUMBLE STRIPS, TYPE 2 (ASPHALT) . . . 20.0 MILE

SPREADING EQUIPMENT

AN AUTOMATIC SCREED CONTROL HAVING A 40 FOOT SKI ARM SHALL BE USED FOR PLACING THE INTERMEDIATE COURSE (SEE PROPOSAL NOTE). FOR FULL WIDTH PAVING, THE WIDTH LAID SHALL NOT EXCEED THE PAVER'S RATED WIDTH AS RECOMMENDED BY THE PAVER MANUFACTURER.

ITEM 889 - SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS WITH WARRANTY

THE FOLLOWING ESTIMATED QUANTITY SHALL BE USED TO PLACE ITEM 889, SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS WITH WARRANTY AS PER SUPPLEMENTAL SPECIFICATION 889. THIS ITEM SHALL BE USED ON SR-2, SR-44, RAMP E, RAMP G AND ALL ENTRANCE AND EXIT RAMPS.

ITEM 889 - SAWING AND SEALING ASPHALT CONCRETE JOINTS WITH WARRANTY . . . 50,000 L. F.

ITEM 252 - FULL DEPTH PAVEMENT REMOVAL AND FLEXIBLE REPLACEMENT

THIS WORK SHALL BE PERFORMED WHERE RIGID REPLACEMENT IS NOT REASONABLE AS DETERMINED BY THE ENGINEER (TYPICALLY THE RAMPS AND RAMP TERMINI AT INTERSECTING ROADWAYS).

THE FOLLOWING ESTIMATED QUANTITIES ARE INCLUDED TO PERFORM THIS WORK AS DESCRIBED ABOVE AND AS DIRECTED BY THE ENGINEER:

ITEM 252 - FULL DEPTH RIGID REMOVAL AND FLEXIBLE REPLACEMENT . . . 200 SQ. YD.
ITEM 252 - FULL DEPTH PAVEMENT SAWING 600 LIN. FT.

CONCRETE BASE REPAIR

AFTER THE REMOVAL OF THE WEARING COURSE IT IS ANTICIPATED THAT THE EXISTING CONCRETE BASE WILL SHOW NUMEROUS CRACKS. IT IS NOT THE INTENT OF THESE PLANS TO REPAIR ALL CRACKS AND JOINTS. TYPICALLY, THOSE JOINTS AND CRACKS WHICH WERE REFERENCED PRIOR TO THE WEARING COURSE REMOVAL SHALL BE CONSIDERED FOR TOTAL REPLACEMENT. THE ENGINEER SHALL DETERMINE THE REPAIR LOCATIONS AND APPROXIMATE REPAIR METHODS FOR THIS PROJECT ARE:

- 1) PARTIAL DEPTH PAVEMENT REPAIR, AS PER PLAN
- 2) FULL DEPTH RIGID PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS C, MS, OR FS, AS PER PLAN A, B, C, OR D
- 3) FULL DEPTH RIGID REMOVAL AND FLEXIBLE REPLACEMENT

ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE

THE RATE OF APPLICATION OF THE 407 TACK COAT FOR INTERMEDIATE COURSE SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.05 GALLONS PER SQUARE YARD OF TACK COAT FOR INTERMEDIATE COURSE FOR ESTIMATING PURPOSES ONLY.

ITEM 407 - TACK COAT

THE RATE OF APPLICATION OF THE 407 TACK COAT SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.10 GALLONS PER SQUARE YARD OF TACK COAT FOR ESTIMATING PURPOSES ONLY.

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CALCULATED
EMK
CHECKED
LDH

GENERAL NOTES

LAKE COUNTY
LAK-2/44-13.05/4.14