DWG BY: LMARTINEZ 2934

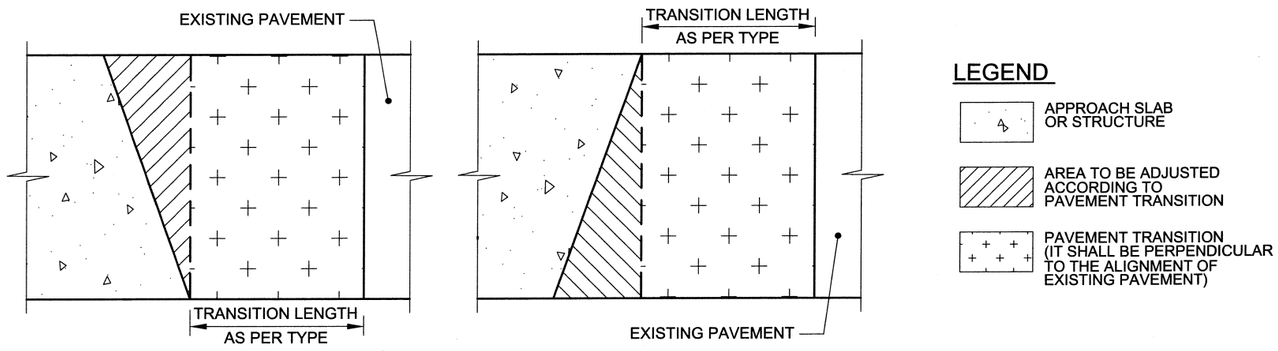
GENERAL NOTES:

1. THE CORROSION INHIBITOR SHALL MEET THE REQUIREMENTS OF SPECIAL PROVISION OF SPECIFICATION 937 – "BRIDGE CONCRETE DECK REPAIR".
2. THE SHOT BLASTING EQUIPMENT, IMPREGNATING OF CORROSION INHIBITOR AND SEALING OF CRACKS IN APPROACH SLABS SHALL MEET THE APPLICABLE REQUIREMENTS OF SPECIAL PROVISION OF SPECIFICATION 937 – "BRIDGE CONCRETE DECK REPAIR".
3. THE BITUMINOUS TACK COAT SHALL MEET THE REQUIREMENTS OF SPECIFICATION 407 – "BITUMINOUS TACK COAT".
4. ALL BITUMINOUS COURSES SHALL MEET THE REQUIREMENTS OF SPECIFICATION 401 – "HOT PLANT-MIX BITUMINOUS PAVEMENT" OR SPECIFICATION 959 – "HOT PLANT-MIX BITUMINOUS PAVEMENT (SUPERPAVE)".
5. THE HOT POURED JOINT SEALANT SHALL BE A SINGLE COMPONENT, HOT-APPLIED, POLYMER MODIFIED, ASPHALT BASE JOINT SEALANT TO FILL JOINTS AND CRACKS IN BITUMINOUS AND PORTLAND CEMENT CONCRETE PAVEMENTS IN HOT CLIMATES. THE HOT POURED JOINT SEALANT SHALL MEET THE REQUIREMENTS OF AASHTO M 301 AND ASTM D 3405.
6. THE MILLING IN PORTLAND CEMENT CONCRETE PAVEMENTS AND APPROACH SLABS SHALL MEET THE REQUIREMENTS OF SPECIAL PROVISION OF SPECIFICATION 943 – "MILLING OF PORTLAND CEMENT CONCRETE PAVEMENT".
7. THE COLD MILLING IN BITUMINOUS PAVEMENT SHALL MEET THE REQUIREMENTS OF SPECIFICATION 403 – "COLD MILLING OF BITUMINOUS CONCRETE PAVEMENT".
8. THE BITUMINOUS TACK COAT, HOT POURED JOINT SEALANT, EPOXY RESIN ADHESIVE (IF IT APPLIES), AND REMOVAL OF BITUMINOUS COURSE SHALL BE CONSIDERED A SUBSIDIARY OBLIGATION BY THE CONTRACTOR AND ITS COST INCLUDED IN THE "BITUMINOUS SURFACE COURSE" PAY ITEM.
9. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER ALL PRODUCT TECHNICAL DATA SHEETS AND CERTIFICATIONS FOR ALL COMMERCIALLY MANUFACTURED PRODUCTS AS REQUIRED IN ARTICLE 106.06 OF GENERAL PROVISIONS.
10. THE TRANSITION DETAIL SHALL BE PERFORMED AT THE BEGINNING AND ENDING OF APPROACH SLAB.
11. ANY EXISTING CONCRETE PAVEMENT SHOWING STRUCTURAL CRACKS AND UNSOUND CONCRETE, WITHIN THE TRANSITION LENGTH, IT SHALL BE REHABILITATED BEFORE PERFORMING TRANSITION WORK. THE REHABILITATION OF EXISTING PAVEMENT AREAS WILL BE PERFORMED AS DIRECTED BY THE ENGINEER.
12. IF THE HEIGHT OF TRAFFIC RAILING OR PARAPET IS REDUCED DUE TO THE BITUMINOUS COURSES, THE TRAFFIC RAILING OR PARAPET SHALL BE MODIFIED AS DIRECTED BY THE ENGINEER TO COMPLY WITH NCRHP-350.
13. THE BITUMINOUS SURFACE COURSE SHALL BE PLACED INMEDIATELY, AFTER MILLING AND CLEANING OPERATIONS ARE COMPLETED.
14. IF THE PAVEMENT CRACKING OPERATIONS APPLY, IT SHALL MEET THE REQUIREMENTS OF SPECIFICATION 509.
15. THE BITUMINOUS SURFACE COURSE SHALL BE CUT WITH SAWING EQUIPMENT TO MAKE TRANSVERSE JOINTS OVER EXISTING OR NEW CONCRETE PAVEMENT JOINTS, AFTER TO COMPLETE THE PLACING OF ALL BITUMINOUS COURSES AS TRANSITION TYPE.
16. THE STRESS-RELIEVING INTERLAYER MEMBRANE MEET THE REQUIREMENTS OF SPECIAL PROVISION 945-"STRESS-RELIEVING INTERLAYER MEMBRANE IN PAVEMENT".

TABLE OF PROCEDURES FOR TRANSITIONING IN CONCRETE PAVEMENTS AND STRUCTURES

SEQUENCE OF WORK		TRANSITION TYPE													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	REMOVE THE EXISTING BITUMINOUS COURSES OVER THE EXISTING APPROACH SLAB AND CONCRETE PAVEMENT, IF IT APPLIES.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2.	SCARIFY THE SURFACE OF EXISTING CONCRETE PAVEMENT WITH MILLING EQUIPMENT. (*)	X	X	X	X	X			X	X	X	X	X	X	
3.	SCARIFY THE SURFACE OF EXISTING APPROACH SLAB WITH MILLING EQUIPMENT. (*)		X			X					X			X	
4.	CLEAN THE SURFACE OF APPROACH SLAB WITH A SHOT BLASTING EQUIPMENT.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5.	APPLY THE CORROSION INHIBITOR OVER APPROACH SLAB, IF IT APPLIES.		X	X		X	X	X	X		X	X		X	X
6.	SEAL ALL CRACKS IN APPROACH SLAB WITH A STRUCTURAL CRACK HEALER / SEALER, IF IT APPLIES.	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7.	CLEAN THE SCARIFIED SURFACE OF EXISTING CONCRETE PAVEMENT.								X						
8.	APPLY THE STRUCTURAL BONDING AGENT OVER SCARIFIED CONCRETE PAVEMENT.								X						
9.	PLACE AND CURING THE JOINTED CONCRETE OVERLAY OVER SCARIFIED CONCRETE PAVEMENT.								X						
10.	INSTALL THE GEOTEXTILE STRIP OVER STABILIZED CRACKS AND JOINTS OF EXISTING CONCRETE PAVEMENT.									X	X	X	X	X	X
11.	APPLY THE BITUMINOUS TACK COAT TO CONCRETE PAVEMENT SURFACE.	X	X	X	X	X	X	X		X	X	X	X	X	X
12.	APPLY THE BITUMINOUS TACK COAT TO APPROACH SLAB SURFACE, IF IT APPLIES.		X	X		X	X	X			X	X		X	X
13.	PLACE THE NEW BITUMINOUS COURSES OVER EXISTING CONCRETE PAVEMENT.	X	X	X	X	X	X	X		X	X	X	X	X	X
14.	PLACE THE NEW BITUMINOUS SURFACE COURSE OVER APPROACH SLAB, IF IT APPLIES.		X	X		X	X	X			X	X		X	X
15.	CUT AND SEAL THE NEW BITUMINOUS SURFACE COURSE OVER EXISTING OR NEW CONCRETE PAVEMENT JOINTS.	X	X	X	X	X	X	X							

(*) THIS WORK WILL DEPEND ON THE PLACING SEQUENCE OF THE BITUMINOUS COURSES FOR TRANSITION TYPE 3, TYPE 4, TYPE 5, TYPE 6, TYPE 11, TYPE 12, TYPE 13, AND TYPE 14.



PLAN

REVISION | BY | DATE
ORIGINAL DETAILS | | SEP. 09
| | MAY 10

ENGINEERING SERVICES AREA — ENGINEERING STANDARDS OFFICE

COMMONWEALTH OF PUERTO RICO
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY AND TRANSPORTATION AUTHORITY

STANDARD DRAWING APPROVED BY:

DATE: 30 JUL 10

ASSISTANT EXECUTIVE DIRECTOR FOR INFRASTRUCTURE

MISCELLANEOUS CONCRETE PAVEMENT DETAILS

NOTES FOR TRANSITION TO CONCRETE PAVEMENTS AND STRUCTURES

MCPD-01

MAY 2010