DWG BY: LMARTINEZ 2934

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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. THE BITUMINOUS PRIME COAT SHALL MEET THE REQUIREMENTS OF SPECIFICATION 408 - "BITUMINOUS PRIME COAT".

5. ALL BITUMINOUS COURSES SHALL MEET THE REQUIREMENTS OF SPECIFICATION 401 - "HOT PLANT-MIX BITUMINOUS PAVEMENT" OR SPECIFICATION 959 - "HOT PLANT-MIX BITUMINOUS PAVEMENT (SUPERPAVE)".

6. 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.

7. 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".

8. THE COLD MILLING IN BITUMINOUS PAVEMENT SHALL MEET THE REQUIREMENTS OF SPECIFICATION 403 - "COLD MILLING OF BITUMINOUS CONCRETE PAVEMENT".

9. THE BITUMINOUS TACK COAT, BITUMINOUS PRIME COAT, HOT POURED JOINT SEALANT, 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.

10. 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.

11. THE TRANSITION DETAIL SHALL BE PERFORMED AT THE BEGINNING AND ENDING OF APPROACH SLAB.

12. ANY EXISTING BITUMINOUS PAVEMENT SHOWING STRUCTURAL CRACKS AND OTHER DEFECTS, 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.

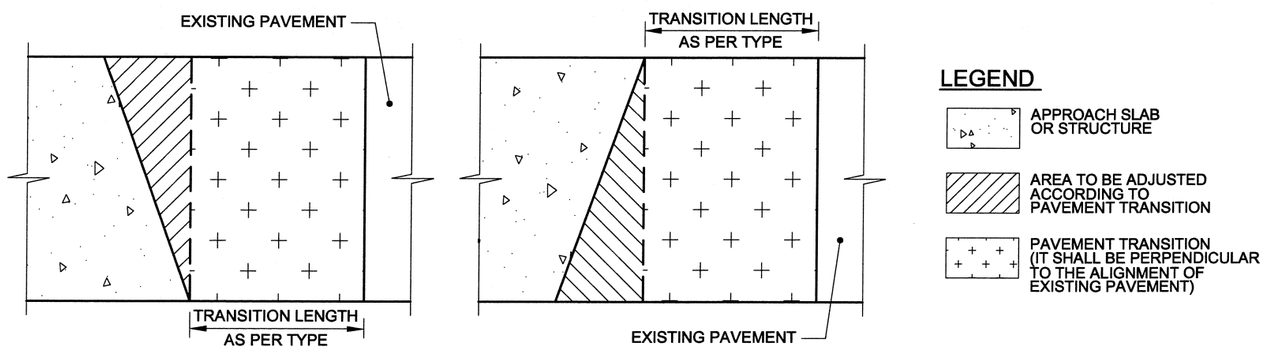
13. IF THE HEIGHT OF TRAFFIC RAILING OR PARAPET IS REDUCED DUE TO THE BITUMINOUS COURSES, THE TRAFFIC RAILING OR PARAPET SHALL BE MODIFIED AS DIRECTED BY THE ENGINEER TO COMPLY WITH NCRHP-350.

14. THE BITUMINOUS SURFACE COURSE SHALL BE PLACED INMEDIATELY, AFTER MILLING AND CLEANING OPERATIONS ARE COMPLETED.

TABLE OF PROCEDURES FOR TRANSITIONING IN BITUMINOUS PAVEMENTS AND STRUCTURES

SEQUENCE OF WORK		TRANSITION TYPE							
		1	2	3	4	5	6	7	8
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
2.	SCARIFY THE SURFACE OF EXISTING BITUMINOUS PAVEMENT WITH COLD MILLING EQUIPMENT. (*)	X	X	X	X	X		X	X
3.	SCARIFY THE SURFACE OF EXISTING APPROACH SLAB WITH MILLING EQUIPMENT. (*)		X			X			
4.	CLEAN THE SURFACE OF APPROACH SLAB WITH A SHOT BLASTING EQUIPMENT.	X	X	X	X	X	X		X
5.	APPLY THE CORROSION INHIBITOR OVER APPROACH SLAB, IF IT APPLIES.		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
7.	APPLY THE BITUMINOUS TACK COAT TO BITUMINOUS PAVEMENT SURFACE.	X	X	X	X	X	X	X	X
8.	APPLY THE BITUMINOUS TACK COAT TO APPROACH SLAB SURFACE.		X	X		X	X		X
9.	PLACE THE NEW BITUMINOUS COURSES OVER EXISTING BITUMINOUS PAVEMENT.	X	X	X	X	X	X	X	X
10.	PLACE THE NEW BITUMINOUS SURFACE COURSE OVER APPROACH SLAB.		X	X		X	X		X
11.	CUT AND SEAL THE NEW BITUMINOUS SURFACE COURSE OVER JOINT OF APPROACH SLAB AND EXISTING BITUMINOUS PAVEMENT.		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 7 AND TYPE 8.



PLAN

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 JUN 10

ASSISTANT EXECUTIVE DIRECTOR FOR INFRASTRUCTURE

MISCELLANEOUS BITUMINOUS PAVEMENT DETAILS
NOTES FOR TRANSITION TO BITUMINOUS PAVEMENTS AND STRUCTURES

MBPD-01

MAY 2010