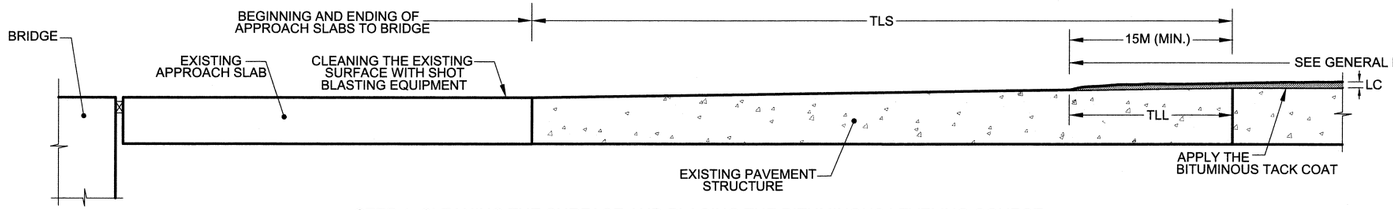
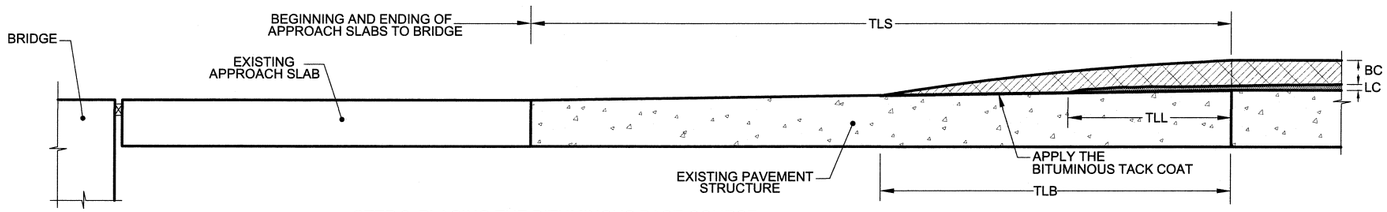
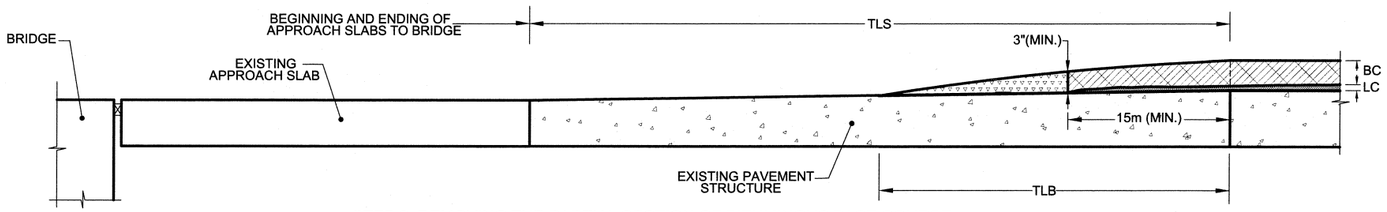


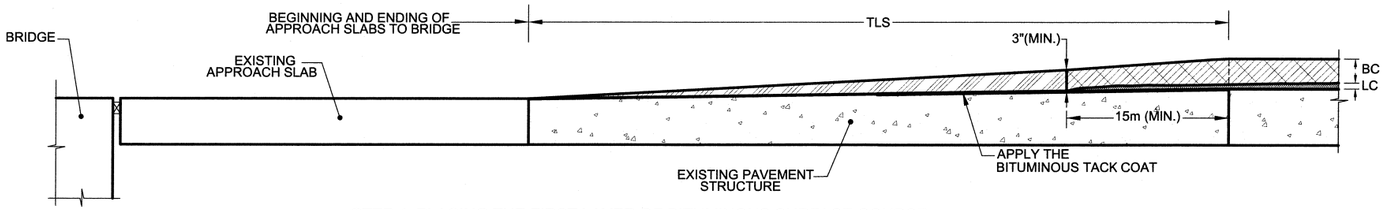
STEP 1: CLEANING THE SURFACE AND PLACING THE BITUMINOUS LEVELING COURSE



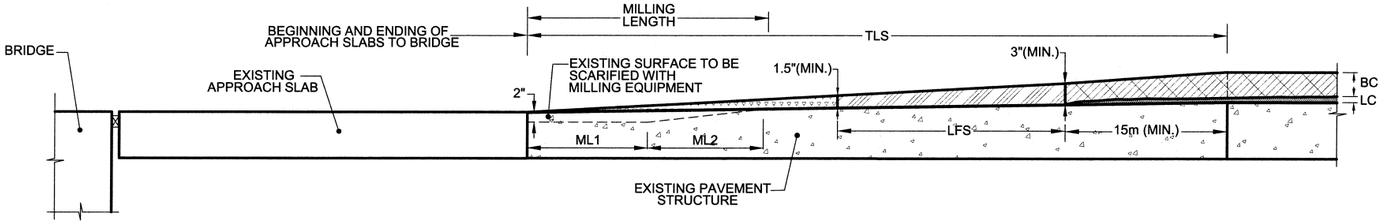
STEP 2: PLACING THE BITUMINOUS BASE COURSE



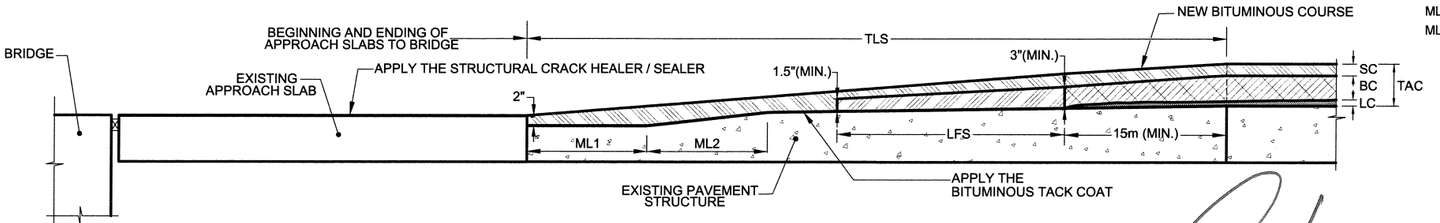
STEP 3: REMOVING THE PARTIAL SECTION OF BITUMINOUS BASE COURSE



STEP 4: PLACING THE FIRST LAYER OF BITUMINOUS SURFACE COURSE



STEP 5: REMOVING THE PARTIAL SECTION OF FIRST LAYER OF BITUMINOUS SURFACE COURSE AND MILLING



STEP 6: PLACING THE SECOND LAYER OF BITUMINOUS SURFACE COURSE

LEGEND

- BITUMINOUS LEVELING COURSE (HOT PLANT-MIX BITUMINOUS L-2(75))
- BITUMINOUS BASE COURSE (HOT PLANT-MIX BITUMINOUS B-1(75) OR SPB)
- BITUMINOUS SURFACE COURSE (FIRST LAYER) (HOT PLANT-MIX BITUMINOUS S-1(75) OR SPS)
- BITUMINOUS SURFACE COURSE (SECOND LAYER) (HOT PLANT-MIX BITUMINOUS S-1(75) OR SPS)
- SECTION TO BE REMOVED BEFORE PLACING THE BITUMINOUS COURSE

TRANSITION TO CONCRETE PAVEMENTS AND STRUCTURES TYPE 12

OVERALL THICKNESS	MINIMUM COURSE THICKNESS			MINIMUM TRANSITION LENGTHS			MINIMUM FIRST LAYER LENGTH	MILLING LENGTH	
TAC (INCHES)	LC (INCHES)	BC (INCHES)	SC (INCHES)	TLL (METERS)	TLB (METERS)	TLS (METERS)	LFS (METERS)	ML1 (METERS)	ML2 (METERS)
2	N/A	N/A	2	0	0	50	N/A	6 [1 SLAB]	6 [1 SLAB]
3	1	N/A	2	15	0	60	N/A	6 [1 SLAB]	6 [1 SLAB]
4	2	N/A	2	25	0	70	N/A	12 [2 SLABS]	6 [1 SLAB]
5	N/A	3	2	0	35	80	30	12 [2 SLABS]	6 [1 SLAB]
6	N/A	4	2	0	45	90	35	12 [2 SLABS]	12 [2 SLABS]
7	1	4	2	15	55	100	40	12 [2 SLABS]	12 [2 SLABS]

LEGEND:

TAC = THICKNESS OF ALL BITUMINOUS COURSES
LC = THICKNESS OF BITUMINOUS LEVELING COURSE
BC = THICKNESS OF BITUMINOUS BASE COURSE
SC = THICKNESS OF BITUMINOUS SURFACE COURSE
TLL = TRANSITION LENGTH OF BITUMINOUS LEVELING COURSE
TLB = TRANSITION LENGTH OF BITUMINOUS BASE COURSE
TLS = TRANSITION LENGTH OF BITUMINOUS SURFACE COURSE
LFS = LENGTH OF FIRST LAYER OF BITUMINOUS SURFACE COURSE
ML1 = MILLING LENGTH IN LEVEL SECTION
ML2 = MILLING LENGTH IN SLOPED SECTON

DWG BY: LMARTINEZ 2934

REVISION | BY | DATE
REVISION | BY | DATE
REVISION | BY | DATE
REVISION | BY | DATE
ORIGINAL | SEP '09
REVISION | 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/IV/10

ASSISTANT EXECUTIVE DIRECTOR FOR INFRASTRUCTURE

MISCELLANEOUS CONCRETE PAVEMENT DETAILS

PLACING SEQUENCE OF BITUMINOUS COURSE TYPE 12

MCPD-17

MAY 2010