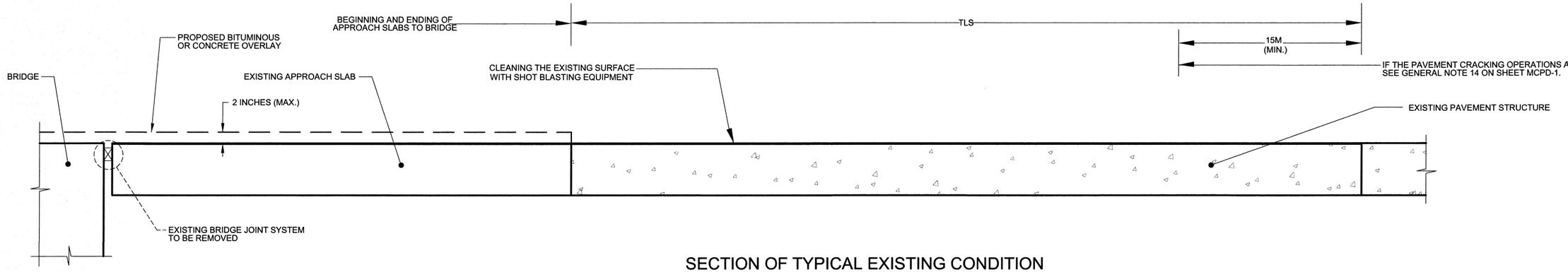
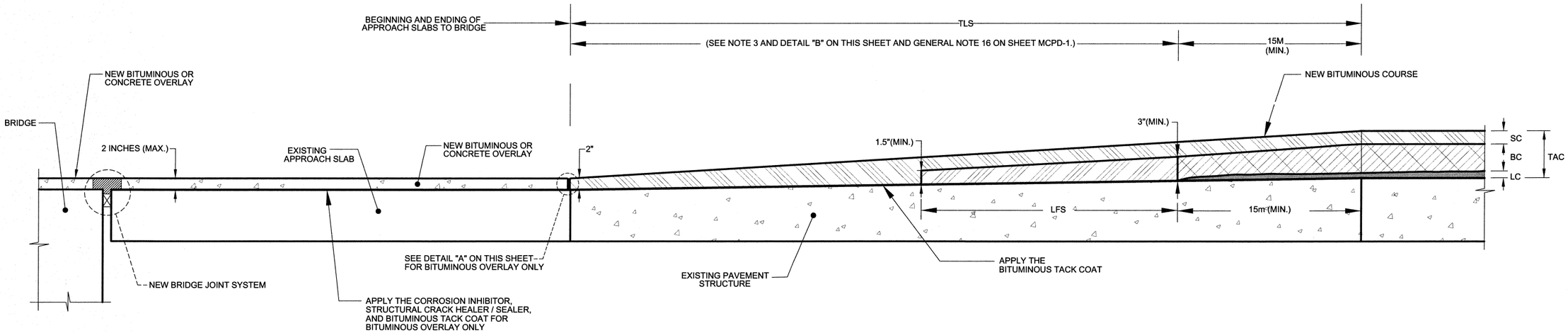
DWG BY: LMARTINEZ 2934

REVISION	BY	DATE
ORIGINAL		SEP '09
NOTES		MAY '10



SECTION OF TYPICAL EXISTING CONDITION



SECTION OF TYPICAL NEW BITUMINOUS COURSE AND OVERLAY

TRANSITION TO CONCRETE PAVEMENTS AND STRUCTURES TYPE 14							
OVERALL THICKNESS	MINIMUM COURSE THICKNESS			MINIMUM TRANSITION LENGTHS			MINIMUM FIRST LAYER LENGTH
TAC (INCHES)	LC (INCHES)	BC (INCHES)	SC (INCHES)	TLL (METERS)	TLB (METERS)	TLS (METERS)	LFS (METERS)
2	N/A	N/A	2	0	0	25	N/A
3	1	N/A	2	15	0	35	N/A
4	2	N/A	2	25	0	45	N/A
5	N/A	3	2	0	35	55	20
6	N/A	4	2	0	45	65	25
7	1	4	2	15	55	75	30

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

LEGEND

BITUMINOUS LEVELING COURSE (HOT PLANT-MIX BITUMINOUS L-2(75))

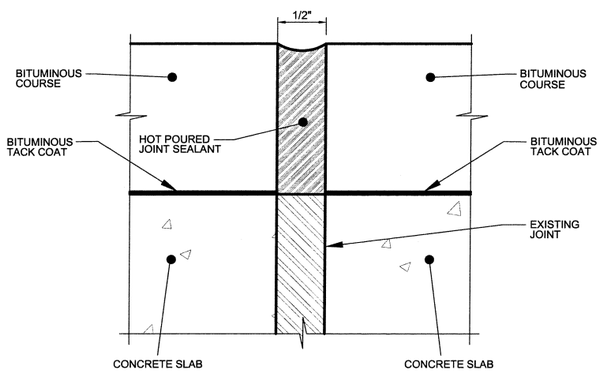
BITUMINOUS BASE COURSE (HOT PLANT-MIX BITUMINOUS B-1(75) OR SPB)

BITUMINOUS SURFACE COURSE (FIRST LAYER) (HOT PLANT-MIX BITUMINOUS S-1(75) OR SPS)

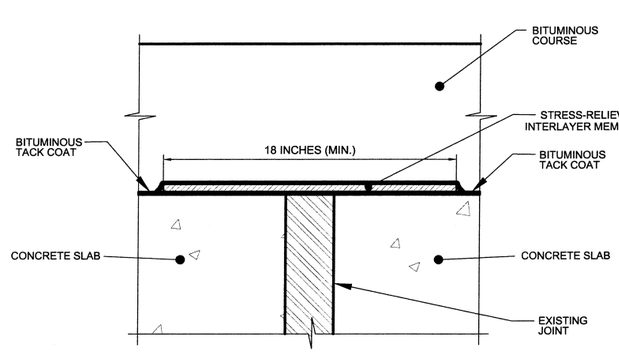
BITUMINOUS SURFACE COURSE (SECOND LAYER) (HOT PLANT-MIX BITUMINOUS S-1(75) OR SPS)

NOTES:

1. THE GENERAL NOTES, PROCEDURES AND DETAILS FOR TRANSITION TO CONCRETE PAVEMENTS AND STRUCTURES TYPE 14 ARE SHOWN ON SHEET MCPD-1.
2. THE PLACING SEQUENCE OF BITUMINOUS COURSES ARE SHOWN ON SHEET MCPD-21.
3. THE STRESS-RELIEVING INTERLAYER MEMBRANE SHALL BE INSTALLED OVER PAVEMENT CRACKS, AND LONGITUDINAL AND TRANSVERSE JOINTS.



DETAIL "A"



DETAIL "B"

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

DETAILS FOR TRANSITION TO CONCRETE PAVEMENTS AND STRUCTURES TYPE 14

MCPD-20

MAY 2010