APPROACH SLAB SPECIAL DETAILS INDEX

	CLEAR WIDTH	BRIDGE STANDARD INDEX NO.	SERIES	DESCRIPTION
COMMON DETAILS (20' AND 40' LONG SLABS)	N/A	BD.2.10.1.0.01	1 OF 6	GENERAL NOTES AND INDEX
		BD.2.10.1.0.02	2 OF 6	PLANS AND SECTIONS - (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.1.0.03	3 OF 6	DETAILS "A" TO "G" - (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.1.0.04	4 OF 6	PLANS AND SECTIONS - (GIRDER SPANS EXCLUDING QUAD BEAMS)
		BD.2.10.1.0.05	5 OF 6	DETAILS "H" TO "M" - (GIRDER SPANS EXCLUDING QUAD BEAMS)
		BD.2.10.1.0.06	6 OF 6	DETAILS "N" TO "S" - (SLAB SPANS AND ALL GIRDER SPANS)
COMMON DETAILS (DRAINAGE)	N/A	BD.2.10.1.0.07	1 OF 1	DRAINAGE DETAILS (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.1.0.08	1 OF 1	DRAINAGE DETAILS (GIRDER SPANS EXCLUDING QUAD BEAMS)
		BD.2.10.1.0.09	1 OF 1	BRIDGE END DRAIN SYSTEM (CLOSED)
		BD.2.10.1.0.10	1 OF 1	BRIDGE END DRAIN SYSTEM (OPEN)
SPECIFIC DETAILS (40' LONG SLAB 0°, 15°, 30° AND 45° SKEWS)	* 24'	BD.2.10.2.1.01	1 OF 2	DETAILS (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.2.1.02	2 OF 2	QUANTITIES (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.2.1.03	1 OF 2	DETAILS (GIRDER SPANS EXCLUDING QUAD BEAMS)
		BD.2.10.2.1.04	2 OF 2	QUANTITIES (GIRDER SPANS EXCLUDING QUAD BEAMS)
	* 28'	BD.2.10.2.2.01	1 OF 2	DETAILS (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.2.2.02	2 OF 2	QUANTITIES (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.2.2.03	1 OF 2	DETAILS (GIRDER SPANS EXCLUDING QUAD BEAMS)
		BD.2.10.2.2.04	2 OF 2	QUANTITIES (GIRDER SPANS EXCLUDING QUAD BEAMS)
	30'	BD.2.10.2.3.01	1 OF 2	DETAILS (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.2.3.02	2 OF 2	QUANTITIES (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.2.3.03	1 OF 2	DETAILS (GIRDER SPANS EXCLUDING QUAD BEAMS)
		BD.2.10.2.3.04	2 OF 2	QUANTITIES (GIRDER SPANS EXCLUDING QUAD BEAMS)
	32'	BD.2.10.2.4.01	1 OF 2	DETAILS (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.2.4.02	2 OF 2	QUANTITIES (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.2.4.03	1 OF 2	DETAILS (GIRDER SPANS EXCLUDING QUAD BEAMS)
		BD.2.10.2.4.04	2 OF 2	QUANTITIES (GIRDER SPANS EXCLUDING QUAD BEAMS)
	36'	BD.2.10.2.5.01	1 OF 2	DETAILS (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.2.5.02	2 OF 2	QUANTITIES (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.2.5.03	1 OF 2	DETAILS (GIRDER SPANS EXCLUDING QUAD BEAMS)
		BD.2.10.2.5.04	2 OF 2	QUANTITIES (GIRDER SPANS EXCLUDING QUAD BEAMS)
	40'	BD.2.10.2.6.01	1 OF 2	DETAILS (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.2.6.02	2 OF 2	QUANTITIES (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.2.6.03	1 OF 2	DETAILS (GIRDER SPANS EXCLUDING QUAD BEAMS)
		BD.2.10.2.6.04	2 OF 2	QUANTITIES (GIRDER SPANS EXCLUDING QUAD BEAMS)
	44'	BD.2.10.2.7.01	1 OF 2	DETAILS (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.2.7.02	2 OF 2	QUANTITIES (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.2.7.03	1 OF 2	DETAILS (GIRDER SPANS EXCLUDING QUAD BEAMS)
		BD.2.10.2.7.04	2 OF 2	QUANTITIES (GIRDER SPANS EXCLUDING QUAD BEAMS)

* : TO BE DEVELOPED

	CLEAR WIDTH	BRIDGE STANDARD INDEX NO.	SERIES	DESCRIPTION
SPECIFIC DETAILS (20' LONG SLAB 0°, 15°, 30° AND 45° SKEWS)	* 24'	BD.2.10.3.1.01	1 OF 2	DETAILS (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.3.1.02	2 OF 2	QUANTITIES (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.3.1.03	1 OF 2	DETAILS (GIRDER SPANS EXCLUDING QUAD BEAMS)
		BD.2.10.3.1.04	2 OF 2	QUANTITIES (GIRDER SPANS EXCLUDING QUAD BEAMS)
	* 28'	BD.2.10.3.2.01	1 OF 2	DETAILS (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.3.2.02	2 OF 2	QUANTITIES (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.3.2.03	1 OF 2	DETAILS (GIRDER SPANS EXCLUDING QUAD BEAMS)
		BD.2.10.3.2.04	2 OF 2	QUANTITIES (GIRDER SPANS EXCLUDING QUAD BEAMS)
	* 30'	BD.2.10.3.3.01	1 OF 2	DETAILS (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.3.3.02	2 OF 2	QUANTITIES (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.3.3.03	1 OF 2	DETAILS (GIRDER SPANS EXCLUDING QUAD BEAMS)
		BD.2.10.3.3.04	2 OF 2	QUANTITIES (GIRDER SPANS EXCLUDING QUAD BEAMS)
	* 32'	BD.2.10.3.4.01	1 OF 2	DETAILS (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.3.4.02	2 OF 2	QUANTITIES (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.3.4.03	1 OF 2	DETAILS (GIRDER SPANS EXCLUDING QUAD BEAMS)
		BD.2.10.3.4.04	2 OF 2	QUANTITIES (GIRDER SPANS EXCLUDING QUAD BEAMS)
	* 36'	BD.2.10.3.5.01	1 OF 2	DETAILS (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.3.5.02	2 OF 2	QUANTITIES (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.3.5.03	1 OF 2	DETAILS (GIRDER SPANS EXCLUDING QUAD BEAMS)
		BD.2.10.3.5.04	2 OF 2	QUANTITIES (GIRDER SPANS EXCLUDING QUAD BEAMS)
	* 40'	BD.2.10.3.6.01	1 OF 2	DETAILS (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.3.6.02	2 OF 2	QUANTITIES (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.3.6.03	1 OF 2	DETAILS (GIRDER SPANS EXCLUDING QUAD BEAMS)
		BD.2.10.3.6.04	2 OF 2	QUANTITIES (GIRDER SPANS EXCLUDING QUAD BEAMS)
	* 44'	BD.2.10.3.7.01	1 OF 2	DETAILS (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.3.7.02	2 OF 2	QUANTITIES (SLAB SPAN & QUAD BEAM BRIDGES)
		BD.2.10.3.7.03	1 OF 2	DETAILS (GIRDER SPANS EXCLUDING QUAD BEAMS)
		BD.2.10.3.7.04	2 OF 2	QUANTITIES (GIRDER SPANS EXCLUDING QUAD BEAMS)

* : TO BE DEVELOPED

APPROACH SLAB GENERAL NOTES

1. DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 7th EDITION. DESIGN LIVE LOAD = LADV-11.
2. CONSTRUCTION SPECIFICATIONS: CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.
3. STRUCTURAL CONCRETE: ALL CONCRETE SHALL BE CLASS A1. EXPOSED EDGES SHALL HAVE A ¾" CHAMFER, UNLESS OTHERWISE NOTED.
4. BASIS OF PAYMENT: BRIDGE END DRAIN SYSTEM, IF REQUIRED, TO BE PAID FOR UNDER ITEM "BRIDGE END DRAIN SYSTEM (TYPE)." FOR SLAB SPAN AND QUAD BEAM BRIDGE APPROACH SLABS, THE "JOINT SEALANT" AND "BACKER MATERIAL" TO BE PAID FOR IN ACCORDANCE WITH SECTION 815 OF THE STANDARD SPECIFICATIONS, AND THE "PREFORMED JOINT FILLER" TO BE PAID FOR IN ACCORDANCE WITH SECTION 805 OF THE STANDARD SPECIFICATIONS. FOR ASPHALT ROADWAYS ADJACENT TO THE APPROACH SLAB, THE "ASPHALT PATCH" AND "SAWCUT AND SEAL" SHALL BE PAID FOR BY OTHERS. ALL OTHER MATERIAL AND WORK ASSOCIATED WITH APPROACH SLABS SHALL BE PAID FOR UNDER ITEM "CONCRETE APPROACH SLABS (CAST-IN-PLACE)", UNLESS OTHERWISE NOTED.
5. THESE STANDARDS ARE ONLY APPLICABLE FOR APPROACH SLABS WITH UNIFORM WIDTH ON A STRAIGHT ALIGNMENT.
6. NOT EVERY SHEET LISTED IN THE INDEX IS APPLICABLE FOR EVERY PROJECT. THE BRIDGE DESIGN ENGINEER SHALL SELECT THE APPLICABLE SHEETS PER PROJECT, NOTING THAT SHEETS IN A SERIES SHALL BE KEPT TOGETHER.

STATE OF LOUISIANA
ADAM LANCASTER
License No. 35573
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/19/19

SHEET NUMBER

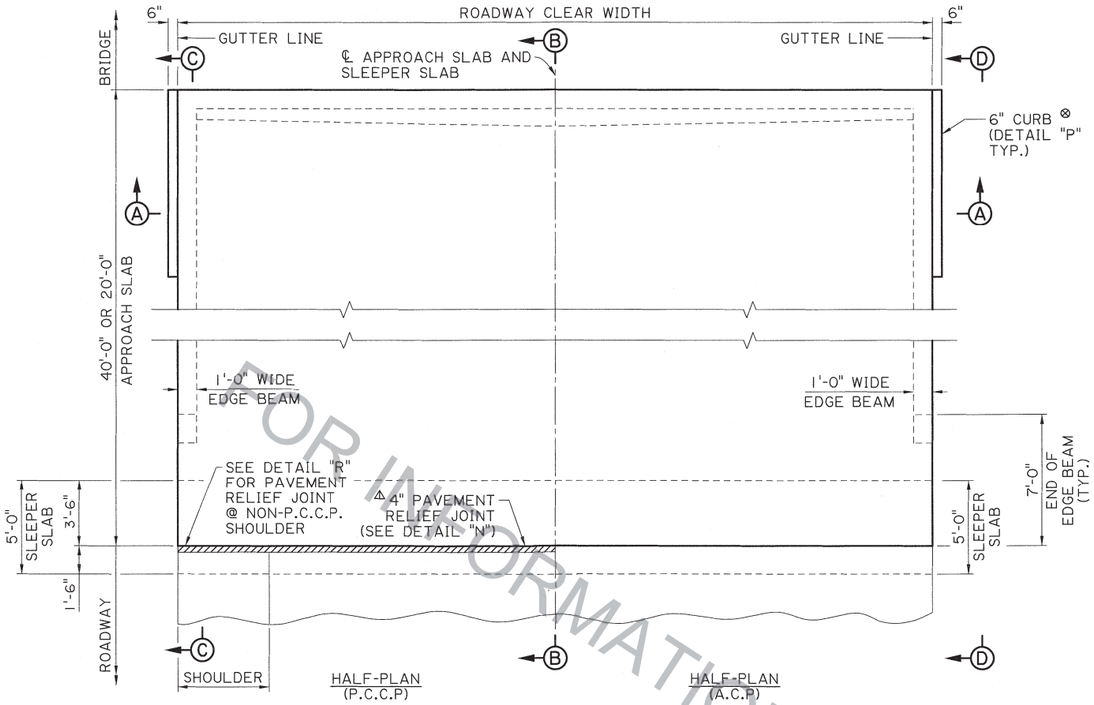
DESIGNED	A.LANCASTER	PARISH	
CHECKED	X. WANG		
DETAILED	A.LANCASTER	CONTROL SECTION	
CHECKED	R. MORVANT		
REVIEWED	Z.Z. FU	STATE PROJECT	
SERIES #	1 OF 6		

NO.	REVISION OR CHANGE ORDER DESCRIPTION	DATE	BY

APPROACH SLAB
GENERAL NOTES AND INDEX

BD.2.10.1.0.01 - APPROACH SLAB COMMON

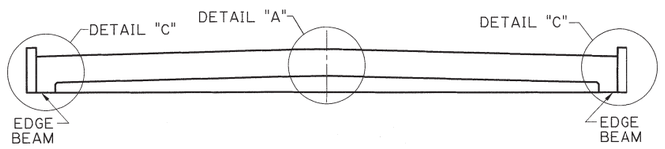
BRIDGE AND STRUCTURAL DESIGN



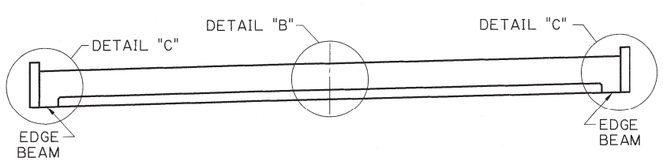
APPROACH SLAB PLAN
(SLAB SPAN AND QUAD BEAM BRIDGES)
(0° SKEW SHOWN)

NOTES:

1. P.C.C.P. = PORTLAND CEMENT CONCRETE PAVEMENT
   A.C.P. = ASPHALTIC CONCRETE PAVEMENT
2. FOR DETAILS "A" THROUGH "G" FOR SLAB SPAN OR QUAD BEAM BRIDGES, SEE SHEET 3 OF 6.
   FOR DETAILS "N" THROUGH "R", SEE SHEET 6 OF 6.
☑ 3. FOR P.C.C.P. ROADWAY, "EJ-4" JOINTS" SHALL BE CONSTRUCTED AS SHOWN ON ROADWAY STANDARD PLAN "CP-01". THREE (3) EJ-4" JOINTS ARE REQUIRED.
⊗ 4. DETAIL "P" APPLIES TO BRIDGES WITH GUARDRAIL BUT WITHOUT AN END DRAIN SYSTEM. WHEN AN END DRAIN INSTALLATION IS REQUIRED, SEE SPECIAL DETAIL SHEET "BRIDGE END DRAIN SYSTEM (OPEN)" OR "BRIDGE END DRAIN SYSTEM (CLOSED)" (AS APPLICABLE) FOR CURB LENGTH AND DETAILS. BRIDGES WITHOUT GUARDRAIL OR END DRAINS DO NOT REQUIRE A CURB, UNLESS OTHERWISE STATED IN THE PLANS.
⚠ 5. PAVEMENT RELIEF JOINT FOR P.C.C.P. ROADWAY WITH P.C.C.P. SHOULDER IS SHOWN. FOR PAVEMENT RELIEF JOINT AT P.C.C.P. ROADWAY WITH NON-P.C.C.P. SHOULDER, SEE DETAIL "R".
✱ 6. DIMENSION "D" AT THE APPROACH SLAB CENTERLINE DEPENDS ON THE ROADWAY CLEAR WIDTH. FOR VALUES OF "D", SEE THE TABLE IN DETAIL "A".

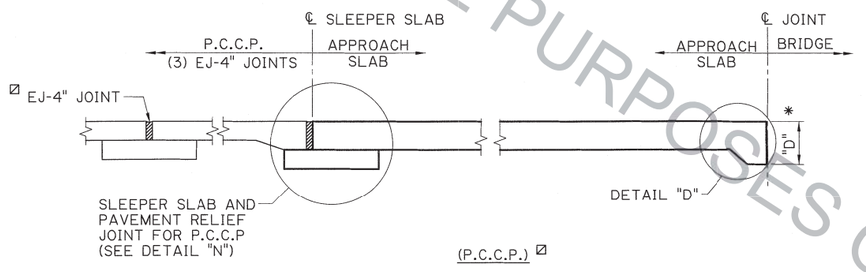


(TWO-WAY TANGENT)

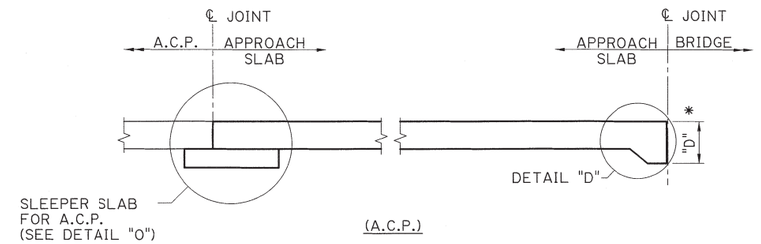


(ONE-WAY TANGENT)

SECTION A-A
(N.T.S.)

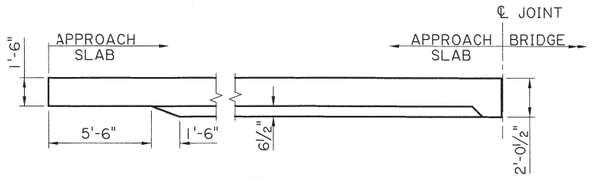


(P.C.C.P.) ☑

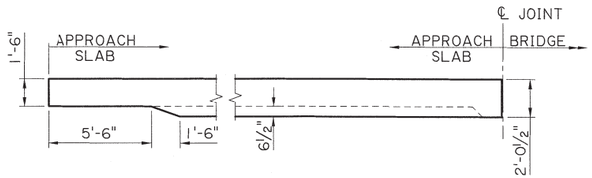


(A.C.P.)

SECTION B-B
(N.T.S.)



SECTION C-C
(SHOWING EDGE BEAM ONLY)
(N.T.S.)



SECTION D-D
(SHOWING EDGE BEAM ONLY)
(N.T.S.)

STATE OF LOUISIANA
ADAM LANCASTER
License No. 35573
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/19/19

SHEET NUMBER

PARISH	CONTROL SECTION	STATE PROJECT

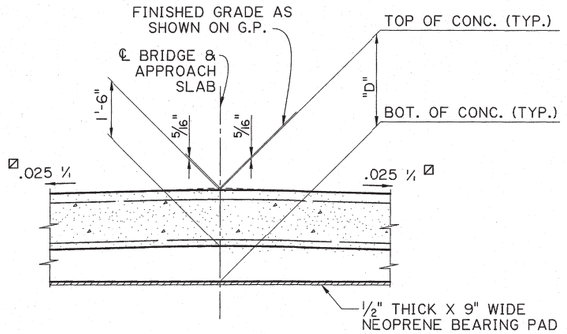
DESIGNED A.LANCASTER
CHECKED X. WANG
DETAILED A.LANCASTER
CHECKED R. MORVANT
REVIEWED Z.Z. FU
SERIES # 2 OF 6

NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY

APPROACH SLAB
PLANS AND SECTIONS
SLAB SPAN AND QUAD BEAM BRIDGES

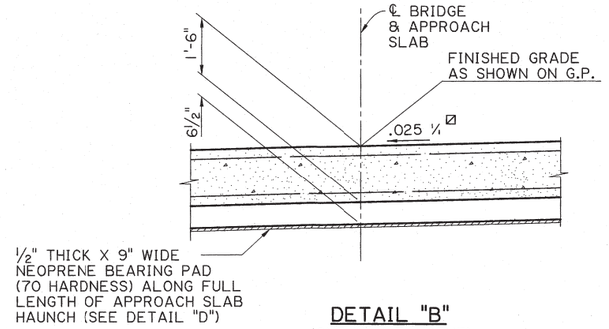
BD.2.10.1.0.02 - APPROACH SLAB COMMON

BRIDGE AND STRUCTURAL DESIGN



DETAIL "A"
(TWO-WAY TANGENT)
SCALE : ½" = 1'-0"
⊠ UNLESS OTHERWISE NOTED IN PLANS

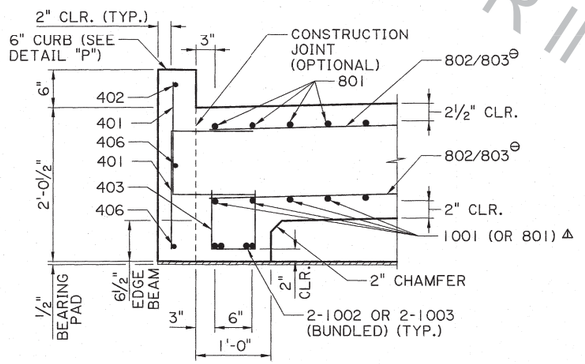
ROADWAY CLEAR WIDTH	DIMENSION "D" (2-WAY TANGENT W/ .025 ⅟ SLOPE)
24'	2'-3¾"
28'	2'-4⅜"
32'	2'-5"
36'	2'-5⅝"
40'	2'-6¼"
44'	2'-6¾"



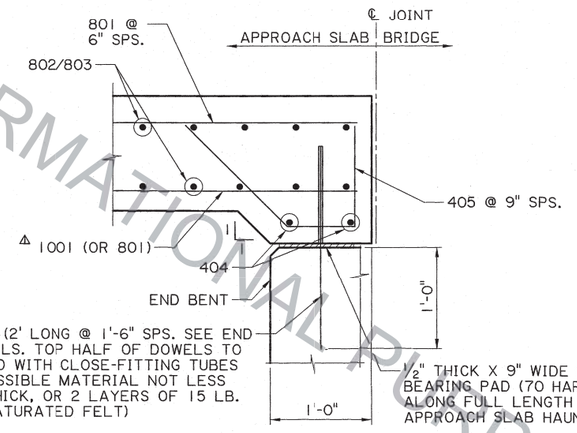
DETAIL "B"
(ONE-WAY TANGENT)
SCALE : ½" = 1'-0"
⊠ UNLESS OTHERWISE NOTED IN PLANS

NOTES:

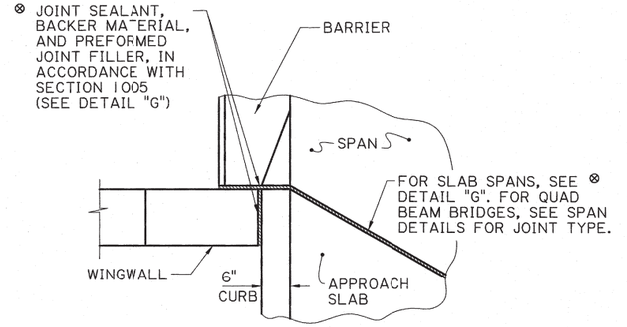
1. FOR REINFORCEMENT LOCATION AND QUANTITIES, SEE APPROACH SLAB "SPECIFIC DETAILS".
2. △ 1001 BARS IN THE BOTTOM OF THE SLAB ARE FOR A 40' LONG SLAB. FOR A 20' LONG SLAB, THESE BOTTOM BARS SHALL BE 801.
3. ⊖ 803 BARS ARE USED IN SKEWED SLABS ONLY.
4. ⊗ JOINT SEALANT AND BACKER MATERIAL TO BE PAID FOR IN ACCORDANCE WITH SECTION 815. JOINT FILLER TO BE PAID FOR IN ACCORDANCE WITH SECTION 805.



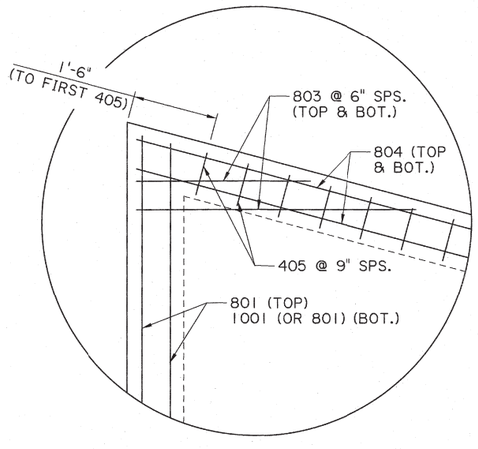
DETAIL "C"
(AT EDGE BEAM)
(N.T.S.)
SEE DETAIL "D"



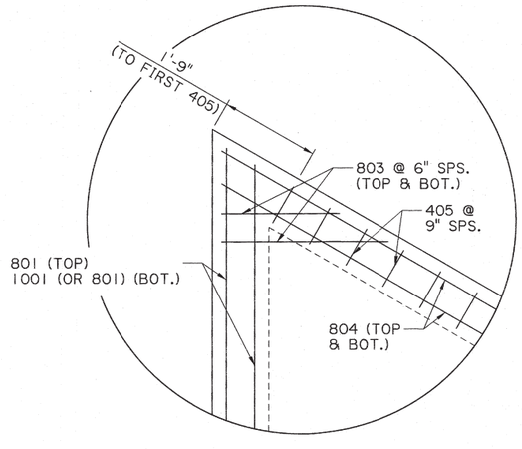
DETAIL "D"
(N.T.S.)



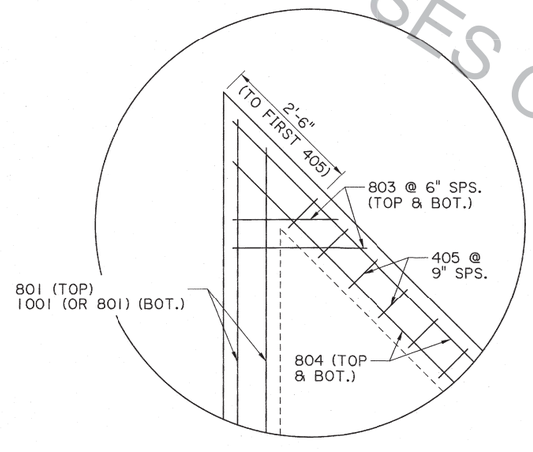
DETAIL "F"
JOINT DETAIL @ WINGWALL
(N.T.S.)



(15° SKEW)

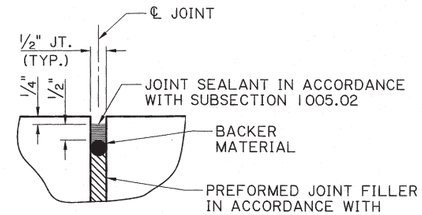


(30° SKEW)



(45° SKEW)

DETAIL "E"
(N.T.S.)
(401, 402, 403, 404, 406 BARS AND CURB NOT SHOWN FOR CLARITY)



DETAIL "G"
(N.T.S.)

STATE OF LOUISIANA
ADAM LANCASTER
License No. 35573
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/19/17

SHEET NUMBER		
PARISH	CONTROL SECTION	STATE PROJECT
DESIGNED A.LANCASTER		
CHECKED R. MORVANT		
DETAILED R. MORVANT		
CHECKED A.LANCASTER		
REVIEWED Z.Z. FU		
SERIES # 3 OF 6		

NO.	DATE	BY	REVISION OR CHANGE ORDER DESCRIPTION

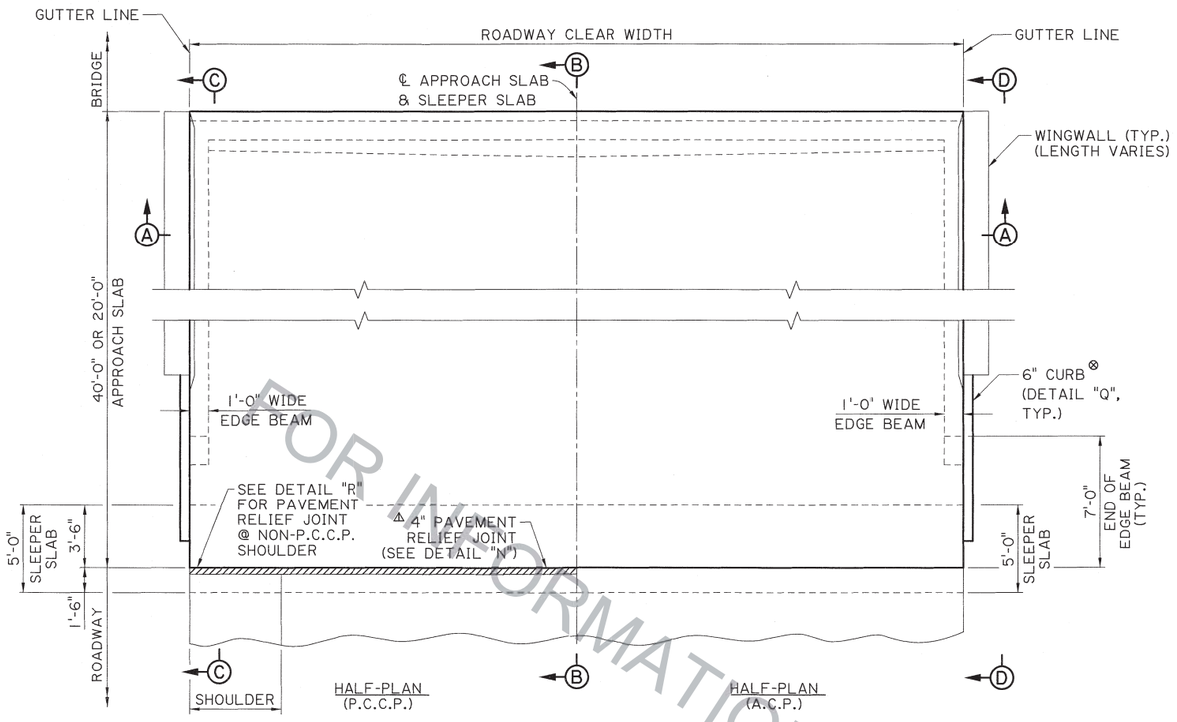
STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

APPROACH SLAB DETAILS "A" TO "G"

SLAB SPAN AND QUAD BEAM BRIDGES

BD.2.10.1.0.03 - APPROACH SLAB COMMON

BRIDGE AND STRUCTURAL DESIGN



APPROACH SLAB PLAN

(GIRDER SPAN BRIDGES, EXCLUDING QUAD BEAMS)
(0° SKEW SHOWN)

NOTES:

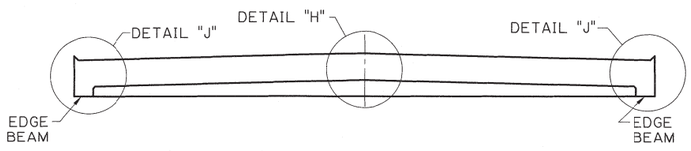
1. P.C.C.P. = PORTLAND CEMENT CONCRETE PAVEMENT
   A.C.P. = ASPHALTIC CONCRETE PAVEMENT
2. FOR DETAILS "H" THROUGH "M" FOR GIRDER SPAN BRIDGES, EXCLUDING QUAD BEAMS, SEE SHEET 5 OF 6.
   FOR DETAILS "N" THROUGH "R", SEE SHEET 6 OF 6.

☑ 3. FOR P.C.C.P. ROADWAY, "EJ-4" JOINTS" SHALL BE CONSTRUCTED AS SHOWN ON ROADWAY STANDARD PLAN "CP-01". THREE (3) EJ-4" JOINTS ARE REQUIRED.

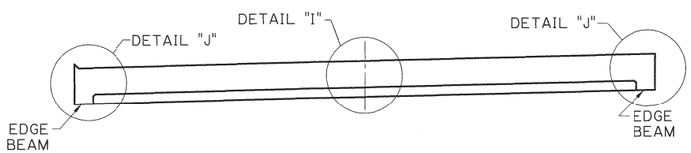
⊗ 4. DETAIL "Q" APPLIES TO BRIDGES WITH GUARDRAIL BUT WITHOUT AN END DRAIN SYSTEM. WHEN AN END DRAIN INSTALLATION IS REQUIRED, SEE SPECIAL DETAIL SHEET "BRIDGE END DRAIN SYSTEM (OPEN)" OR "BRIDGE END DRAIN SYSTEM (CLOSED)" (AS APPLICABLE) FOR CURB LENGTH AND DETAILS. BRIDGES WITHOUT GUARDRAIL OR END DRAINS DO NOT REQUIRE A CURB, UNLESS OTHERWISE STATED IN THE PLANS.

⚠ 5. PAVEMENT RELIEF JOINT FOR P.C.C.P. ROADWAY WITH P.C.C.P. SHOULDER IS SHOWN. FOR PAVEMENT RELIEF JOINT AT P.C.C.P. ROADWAY WITH NON-P.C.C.P. SHOULDER, SEE DETAIL "R".

✱ 6. DIMENSION "D" AT THE APPROACH SLAB CENTERLINE DEPENDS ON THE ROADWAY CLEAR WIDTH. FOR VALUES OF "D", SEE THE TABLE IN DETAIL "H".



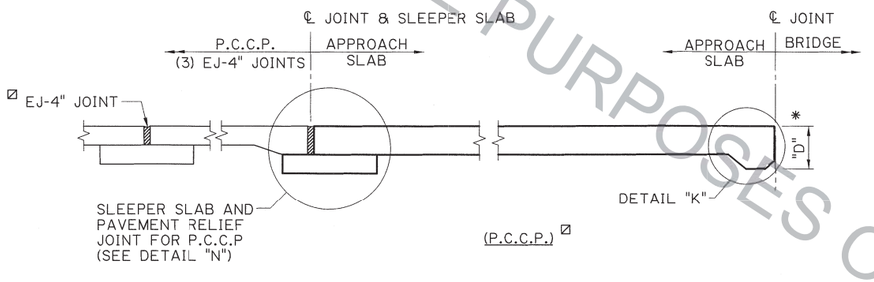
(TWO-WAY TANGENT)



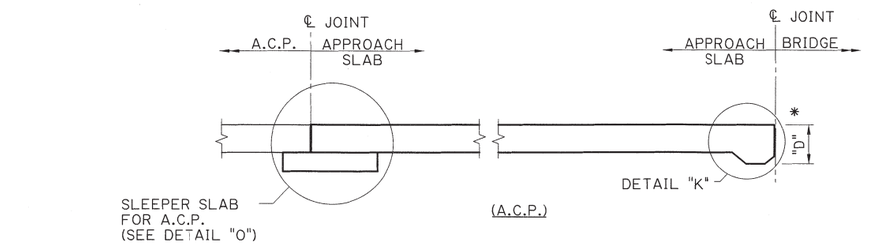
(ONE-WAY TANGENT)

SECTION A-A

(N.T.S.)
(WINGWALLS AND CURBS NOT SHOWN FOR CLARITY)



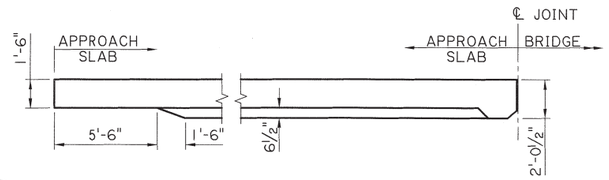
(P.C.C.P.) ☑



(A.C.P.)

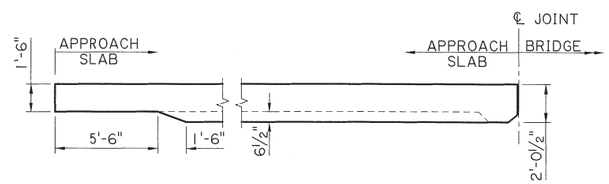
SECTION B-B

(N.T.S.)



SECTION C-C

(SHOWING EDGE BEAM ONLY)
(N.T.S.)



SECTION D-D

(SHOWING EDGE BEAM ONLY)
(N.T.S.)

STATE OF LOUISIANA
ADAM LANCASTER
License No. 35573
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/19/17

SHEET NUMBER

DESIGNED	A.LANCASTER	PARISH	
CHECKED	X. WANG		
DETAILED	A.LANCASTER	CONTROL SECTION	
CHECKED	R. MORVANT		
REVIEWED	Z.Z. FU	STATE PROJECT	
SERIES #	4 OF 6		

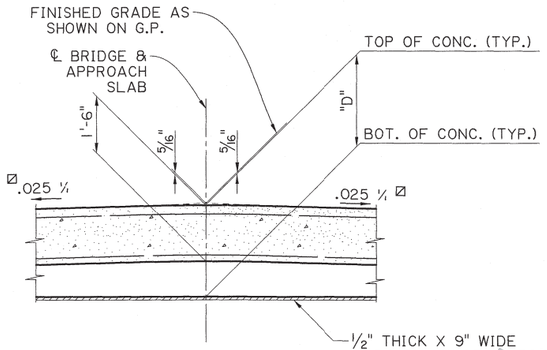
NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY

APPROACH SLAB
PLANS AND SECTIONS
GIRDER SPANS EXCLUDING QUAD BEAMS

BD.2.10.1.0.04 - APPROACH SLAB COMMON

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
dotd

BRIDGE AND STRUCTURAL DESIGN

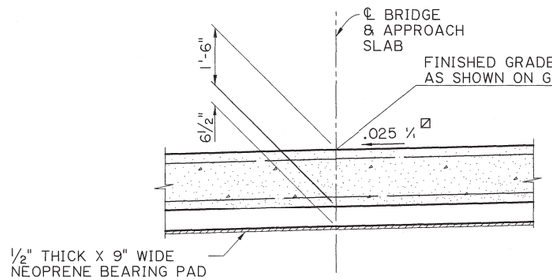


DETAIL "H"

(TWO-WAY TANGENT)
SCALE: 1/2" = 1'-0"

⊠ UNLESS OTHERWISE NOTED IN PLANS

ROADWAY CLEAR WIDTH	DIMENSION "D" (2-WAY TANGENT W/ .025 1/1 SLOPE)
24'	2'-3¾"
28'	2'-4⅜"
32'	2'-5"
36'	2'-5⅝"
40'	2'-6¼"
44'	2'-6¾"



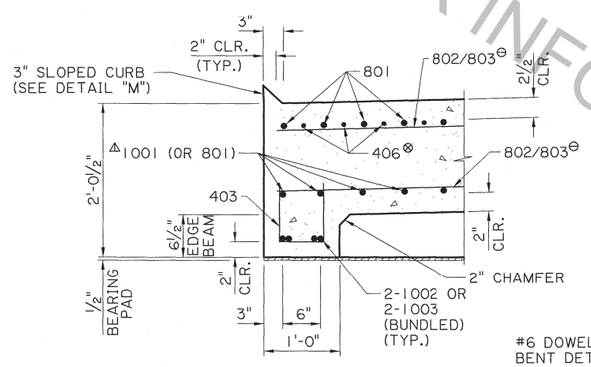
DETAIL "I"

(ONE-WAY TANGENT)
SCALE: 1/2" = 1'-0"

⊠ UNLESS OTHERWISE NOTED IN PLANS

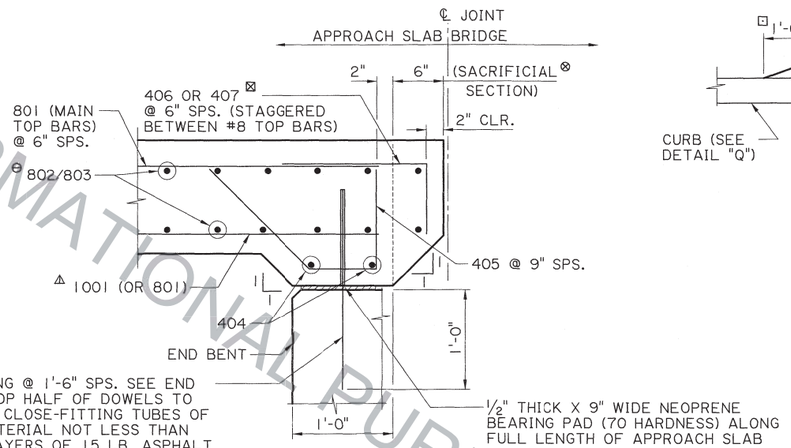
NOTES:

1. FOR REINFORCEMENT LOCATION AND QUANTITIES, SEE APPROACH SLAB "SPECIFIC DETAILS".
2. △ 1001 BARS IN THE BOTTOM OF THE SLAB ARE FOR A 40' LONG SLAB. FOR A 20' LONG SLAB, THESE BOTTOM BARS SHALL BE 801 BARS.
3. ⊖ 803 BARS ARE USED IN SKEWED SLABS ONLY.
4. ⊗ THE SACRIFICIAL SECTION IS PROVIDED FOR THE POSSIBLE CASE WHERE ROADWAY PAVEMENT GROWTH HAS PUSHED THE APPROACH SLAB INTO THE BRIDGE, CLOSING THE JOINT. IF REHABILITATION IS REQUIRED, UP TO 6 INCHES MAY BE REMOVED TO REESTABLISH THE JOINT.
5. ⊠ 407 BARS ARE ONLY REQUIRED FOR SKEWED APPROACH SLABS, AND ARE PLACED TRANSVERSE (PERPENDICULAR) TO THE ROADWAY CENTERLINE, STAGGERED BETWEEN 803 TOP BARS.



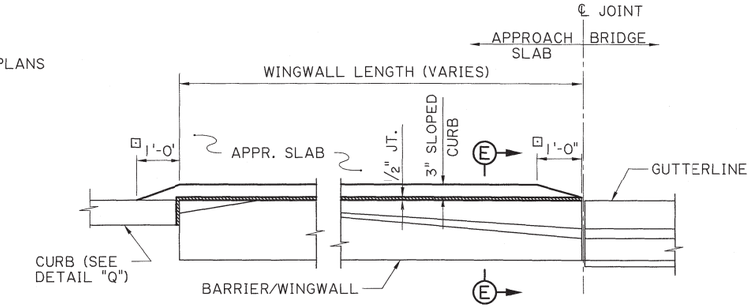
DETAIL "J"

(AT EDGE BEAM)
⊗ SEE DETAIL "K"
(N.T.S.)



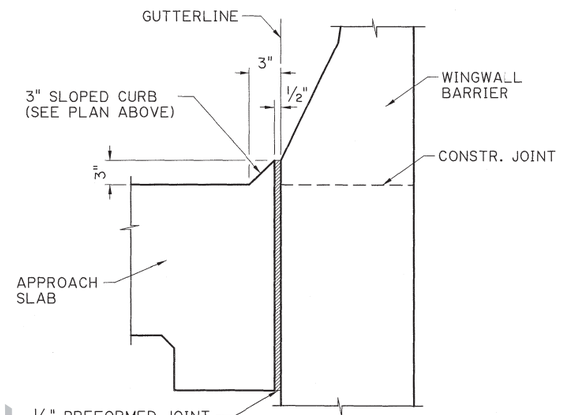
DETAIL "K"

(N.T.S.)



PLAN

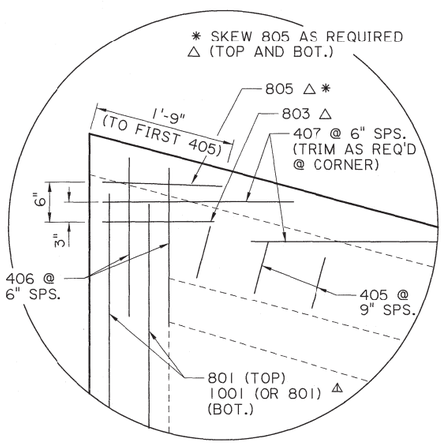
⊡ (TAPER DOWN TO TOP OF APPROACH SLAB)



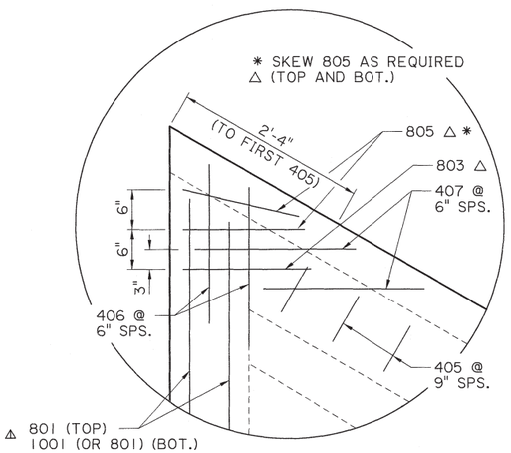
SECTION E-E

DETAIL "M"

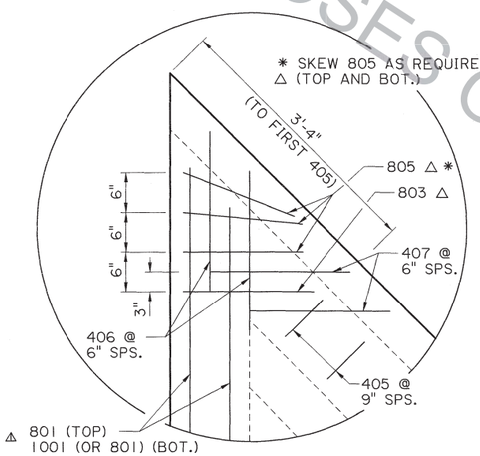
(SHOWING 3" SLOPED CURB AT WINGWALL)
(N.T.S.)



(15° SKEW)
(N.T.S.)



(30° SKEW)
(N.T.S.)



(45° SKEW)
(N.T.S.)

DETAIL "L"

(N.T.S.)
(404 AND 804 BARS NOT SHOWN FOR CLARITY)

STATE OF LOUISIANA
ADAM LANCASTER
License No. 35573
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6/19/17

SHEET NUMBER

PARISH	CONTROL SECTION	STATE PROJECT

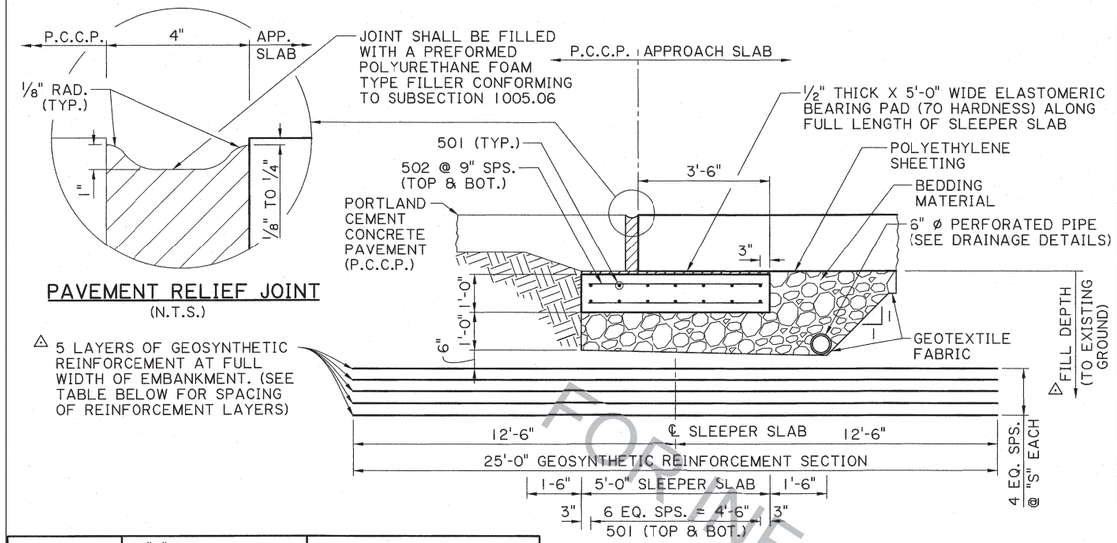
DESIGNED A.LANCASTER
CHECKED X. WANG
DETAILED R. MORVANT
CHECKED A.LANCASTER
REVIEWED Z.Z. FU
SERIES # 5 OF 6

NO.	DATE	BY	REVISION OR CHANGE ORDER DESCRIPTION

APPROACH SLAB
DETAILS "H" TO "M"
GIRDER SPANS EXCLUDING QUAD BEAMS

BD.2.10.1.0.05 - APPROACH SLAB COMMON

BRIDGE AND STRUCTURAL DESIGN



PAVEMENT RELIEF JOINT
(N.T.S.)

DETAIL "N"
(N.T.S.)

FILL DEPTH △	"S"- SPACING OF GEOSYNTHETIC REINFORCEMENT	NOTE
< 2'-6"	12"	SEE NOTE 6 ✳
2'-6" TO 6'-6"	12"	EXCAVATION REQ'D TO PLACE REINFORCEMENT
6'-6" TO 8'-6"	12" TO 18"	KEEP EQUAL SPS. BETWEEN REINFORCEMENT LAYERS
> 8'-6"	18"	

SLEEPER SLAB & PAVEMENT RELIEF JOINT FOR P.C.C.P. ROADWAY

NOTES:

1. BUILD SLEEPER SLAB TO THE FULL WIDTH OF THE APPROACH SLAB.

△ 2. LAYERS OF GEOTEXTILE FABRIC UNDER THE SLEEPER SLAB ARE ONLY REQUIRED IN A NEW FILL SECTION. SEE GENERAL NOTES FOR DIRECTION WHEN PROJECT INVOLVES AN EXISTING EMBANKMENT.

GEOSYNTHETIC REINFORCEMENT SHALL CONSIST OF A BIAXIAL, WOVEN GEOTEXTILE FABRIC CONFORMING TO THE "GENERAL REQUIREMENTS" IN SUBSECTION 1019.01 OF THE STANDARD SPECIFICATIONS. THE "DETAILED REQUIREMENTS" OF 1019.01 DO NOT APPLY. FURNISH A CERTIFICATE OF COMPLIANCE AND TEST DATA FROM AN APPROVED LABORATORY SHOWING THE REINFORCEMENT MEETS OR EXCEEDS THE FOLLOWING STRENGTH REQUIREMENTS:

TENSILE STRENGTH @ 2% STRAIN: 550 LB/FT (ASTM D4595)
ULTIMATE TENSILE STRENGTH: 3000 LB/FT (ASTM D4595)
TENSILE STRENGTH RETAINED AFTER WEATHERING (500 HRS, UVA LAMPS) = 80% (ASTM D7238)

FURNISH GEOSYNTHETIC REINFORCEMENT IN 25' LONG SECTIONS. PLACE SECTIONS SO THAT REINFORCEMENT RUNS CONTINUOUSLY IN THE DIRECTION OF THE ROADWAY. INSTALL LAYERS OF REINFORCEMENT FLAT AND TAUT, AND SECURE LAYERS IN PLACE WITH SHOVELLED PILES OF FILL, PINS, OR STAPLES. PLACE AND SPREAD LAYERS OF FILL IN THE DIRECTION OF OVERLAPS TO PREVENT PEELING OR SEPARATION OF REINFORCEMENT LAYERS AT THE OVERLAPS. LAYERS OF REINFORCEMENT MUST REMAIN FLAT AND TAUT DURING AND AFTER FILL PLACEMENT. HANDLING AND PLACEMENT OF REINFORCEMENT SHALL CONFORM TO THE "CONSTRUCTION REQUIREMENTS" OF SUBSECTION 203.11.

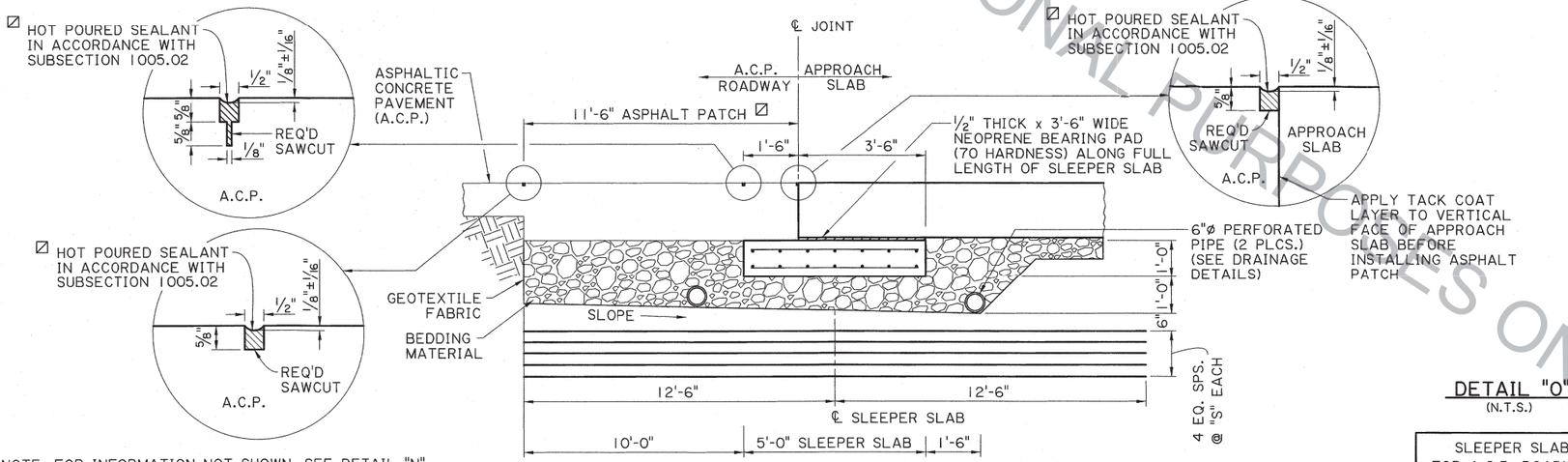
☑ 3. "ASPHALT PATCH" AND "SAW CUT AND SEAL" TO BE PAID UNDER APPROPRIATE PAY ITEMS BY OTHERS.

⊗ 4. DETAILS "P" AND "Q" APPLY TO BRIDGES WITH GUARDRAIL BUT WITHOUT AN END DRAIN SYSTEM. WHEN AN END DRAIN INSTALLATION IS REQUIRED, SEE SPECIAL DETAIL SHEET "BRIDGE END DRAIN SYSTEM (OPEN)" OR "BRIDGE END DRAIN SYSTEM (CLOSED)" (AS APPLICABLE) FOR CURB LENGTH AND DETAILS. BRIDGES WITHOUT GUARDRAIL OR END DRAINS DO NOT REQUIRE A CURB, UNLESS OTHERWISE STATED IN THE PLANS.

☒ 5. FOR A P.C.C.P. ROADWAY WITH NON-P.C.C.P. SHOULDERS, DISCONTINUE THE 4" PAVEMENT RELIEF JOINT AT THE EDGE OF ROADWAY, AS SHOWN IN DETAIL "R".

IN CASES WHERE THE REQUIRED CURB LENGTH EXTENDS BEYOND THE END OF THE APPROACH SLAB ONTO AN ASPHALT SHOULDER, THE SEGMENT OF THE CURB ON THE ASPHALT SHOULDER MAY BE CONSTRUCTED OF ASPHALT. IN THESE CASES, BARS 401 AND 402 MAY BE OMITTED FROM THE CURB.

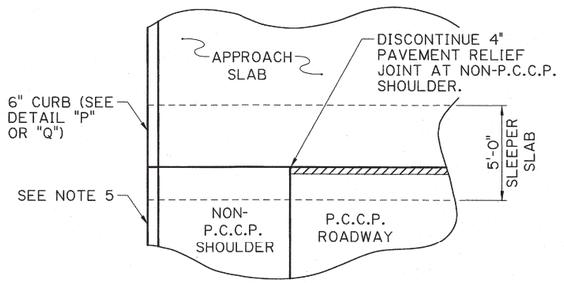
✳ 6. IF WARRANTED BY PROJECT CONDITIONS, GEOTEXTILE REINFORCEMENT UNDER SLEEPER SLAB MAY BE OMITTED, BUT SUBSURFACE SOIL CONDITIONS SHOULD BE INVESTIGATED TO DETERMINE SOIL BEARING CAPACITY AND EXPECTED SETTLEMENT. IF SOIL BEARING CAPACITY UNDER THE SLEEPER SLAB EXCEEDS 2000 PSF, NO GEOSYNTHETIC REINFORCEMENT IS REQUIRED.



NOTE: FOR INFORMATION NOT SHOWN, SEE DETAIL "N".

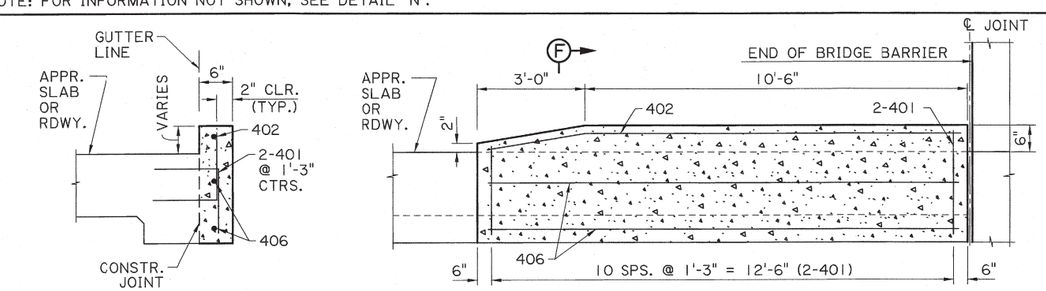
DETAIL "O"
(N.T.S.)

SLEEPER SLAB FOR A.C.P. ROADWAY



DETAIL "R" ☒
(N.T.S.)

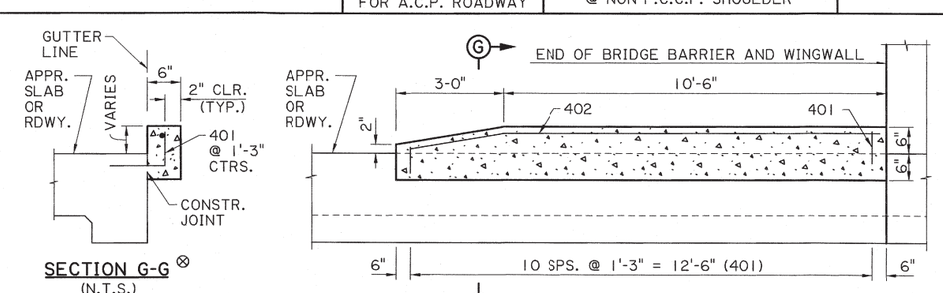
PAVEMENT RELIEF JOINT & CURB @ NON-P.C.C.P. SHOULDER



SECTION F-F ⊗
(N.T.S.)

DETAIL "P" ⊗
(N.T.S.)

CURB DETAIL - SLAB SPAN & QUAD BEAM BRIDGES



SECTION G-G ⊗
(N.T.S.)

DETAIL "Q" ⊗
(N.T.S.)

CURB DETAIL - GIRDER SPAN BRIDGES EXCEPT QUAD BEAMS

ADAM LANCASTER
License No. 35573
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
STATE OF LOUISIANA
6/19/18

SHEET NUMBER

DESIGNED	A.LANCASTER	PARISH		STATE PROJECT
CHECKED	X. WANG			
DETAILED	A.LANCASTER	CONTROL SECTION		
CHECKED	R. MORVANT			
REVIEWED	Z.Z. FU	SERIES #	6 OF 6	

NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY

APPROACH SLAB DETAILS "N" TO "R"

BD.2.10.1.0.06 - APPROACH SLAB COMMON

BRIDGE AND STRUCTURAL DESIGN