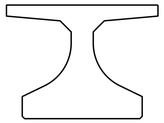
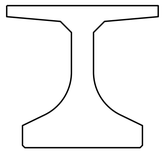
BRIDGE PLANS ID	SHEET
	1


[DET] (SC) FIB 36
½" = 1'-0"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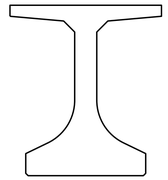
½" = 1'-0"


[DET] (SC) FIB 54
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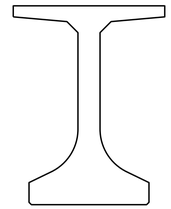
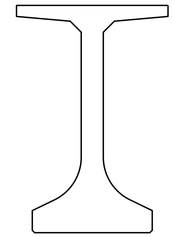

[DET] (SC) FIB 63
½" = 1'-0"


[DET] (SC) FIB 72
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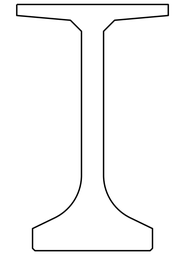
[DET] (SC) FIB 78
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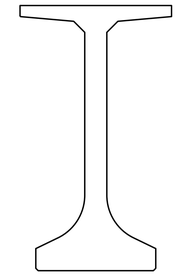
[DET] (SC) FIB 84
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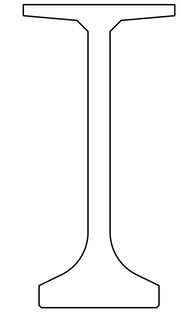
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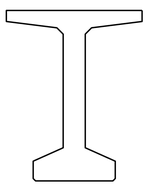
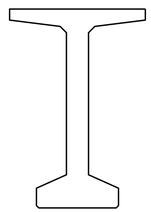

[DET] (SC) BT 54 MOD
½" = 1'-0"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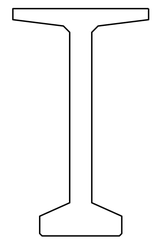
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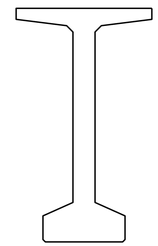
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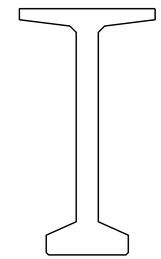
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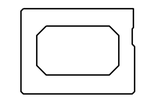
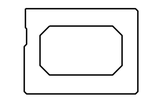
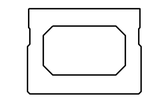
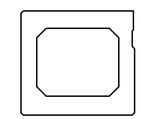
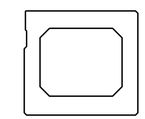
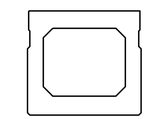

[DET] (SC) BI-36 EXT L
½" = 1'-0"


[DET] (SC) BI-36 EXT R
½" = 1'-0"


[DET] (SC) BI-36 INT
½" = 1'-0"


[DET] (SC) BII-36 EXT L
½" = 1'-0"


[DET] (SC) BII-36 EXT R
½" = 1'-0"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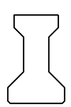
½" = 1'-0"


[DET] (SC) TYPE I MOD
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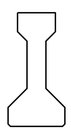
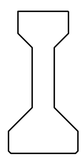
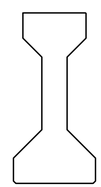
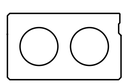
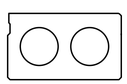

[DET] (SC) TYPE II
½" = 1'-0"

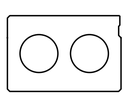

[DET] (SC) TYPE III
½" = 1'-0"

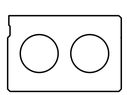

[DET] (SC) TYPE IV
½" = 1'-0"

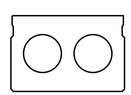

[DET] (SC) CS 21 EXT L
½" = 1'-0"

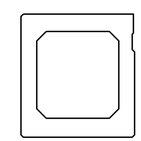

[DET] (SC) CS 21 EXT R
½" = 1'-0"

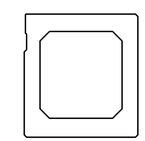
[DET] (SC) CS 21 INT
½" = 1'-0"


[DET] (SC) CS 24 EXT L
½" = 1'-0"


[DET] (SC) CS 24 EXT R
½" = 1'-0"


[DET] (SC) CS 24 INT
½" = 1'-0"


[DET] (SC) BIII-36 EXT L
½" = 1'-0"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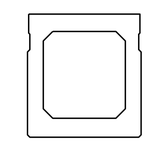
½" = 1'-0"


[DET] (SC) BIII-36 INT
½" = 1'-0"

REVIEWED			
QUAN.			
DR.	MRB		01-24
DES.		BY	CHK.	DATE

BishopMR 11/21/2024 2:06:17 PM scdot_bridge.cel

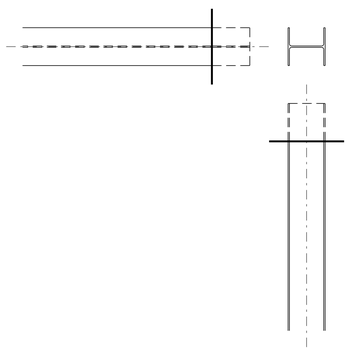
REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION
REV.				
REV.				

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BRIDGE CELL LIBRARY
VISUAL AID (1 OF 5)

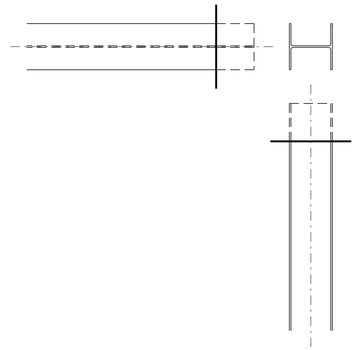
COUNTY: ROUTE:

BRIDGE PLANS ID	SHEET
	2



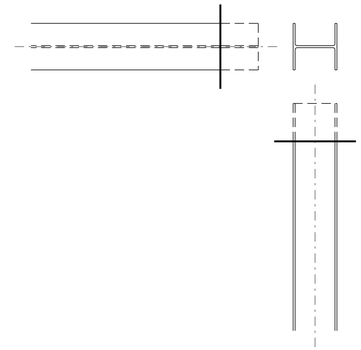
[DET] HP12X53

½" = 1'-0"



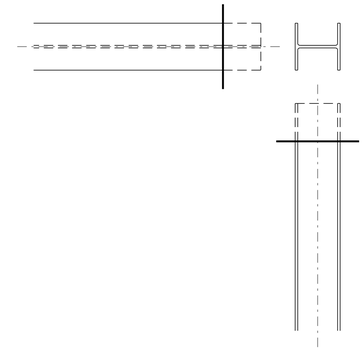
[DET] HP14X73

½" = 1'-0"



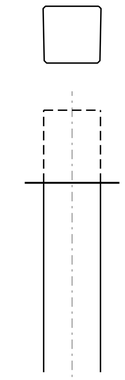
[DET] HP14X89

½" = 1'-0"



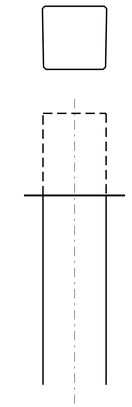
[DET] HP14X117

½" = 1'-0"



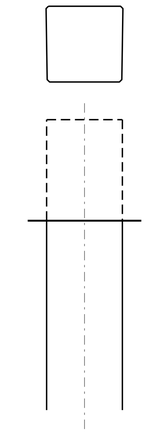
[DET] PP18

½" = 1'-0"



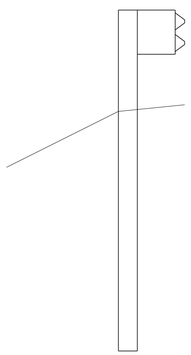
[DET] PP20

½" = 1'-0"



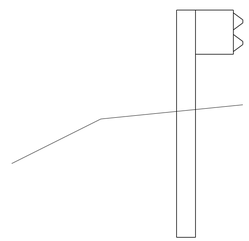
[DET] PP24

½" = 1'-0"



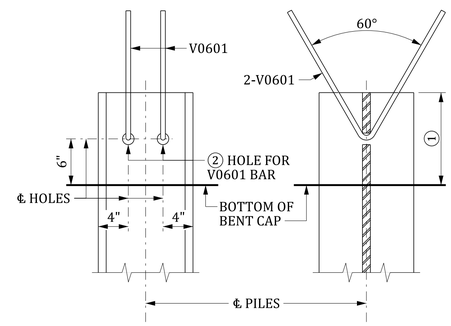
[DET] GUARDRAIL MGS3CS POST

½" = 1'-0"



[DET] GUARDRAIL MGS3 POST

½" = 1'-0"



PILE ANCHORAGE DETAILS

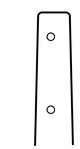
[DET] PILE ANCHORAGE

FULL SIZE 1 = 1

NOTES:

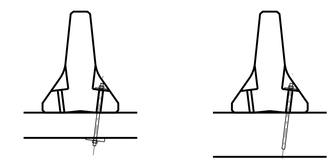
① EMBED PILES 1'-0" MINIMUM & 1'-6" MAXIMUM INTO THE BENT CAP.

② HOLE DIAMETER 1" MINIMUM AND 1½" MAXIMUM. DRILL OR FLAME CUT THE HOLES. GRIND AREA AROUND FLAME CUT HOLES TO REMOVE BURRS. TIE OR WEDGE THE V0601 REINFORCING BARS TIGHTLY AGAINST THE TOP OF THE HOLES.



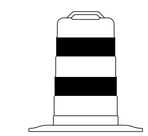
[DET] BARRIER

½" = 1'-0"



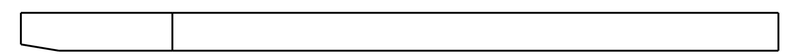
[DET] TEMP BARRIER

½" = 1'-0"



[DET] TRAFFIC DRUM

½" = 1'-0"

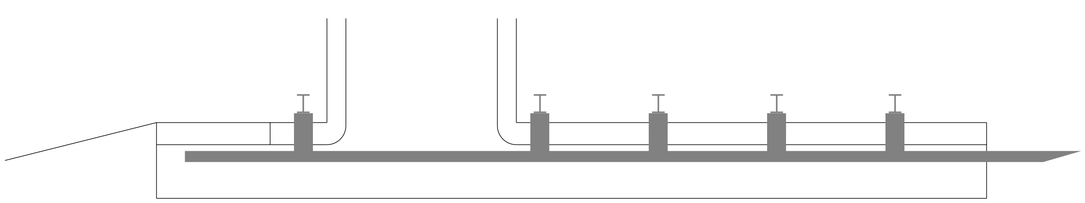


[DET] BARRIER TRANS

½" = 1'-0"

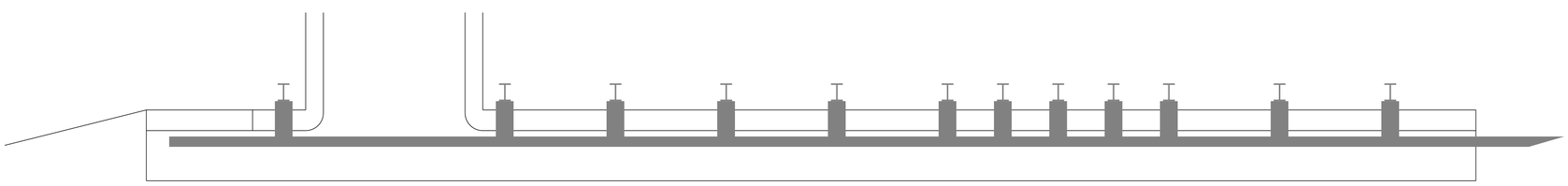
[DET] GUARDRAIL MGS3

½" = 1'-0"



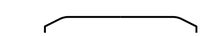
[DET] GUARDRAIL MTBBC2

½" = 1'-0"



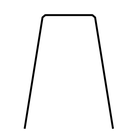
[DET] GUARDRAIL MTBBC3

½" = 1'-0"



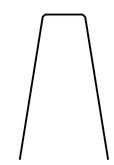
[DET] RAISED MEDIAN

½" = 1'-0"



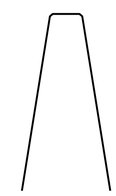
[DET] BARRIER MEDIAN 36

½" = 1'-0"



[DET] BARRIER MEDIAN 46

½" = 1'-0"



[DET] BARRIER MEDIAN 56

½" = 1'-0"

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REV.					
REV.					
REV.					
		BY	CHK.	DATE	DESCRIPTION OF REVISION

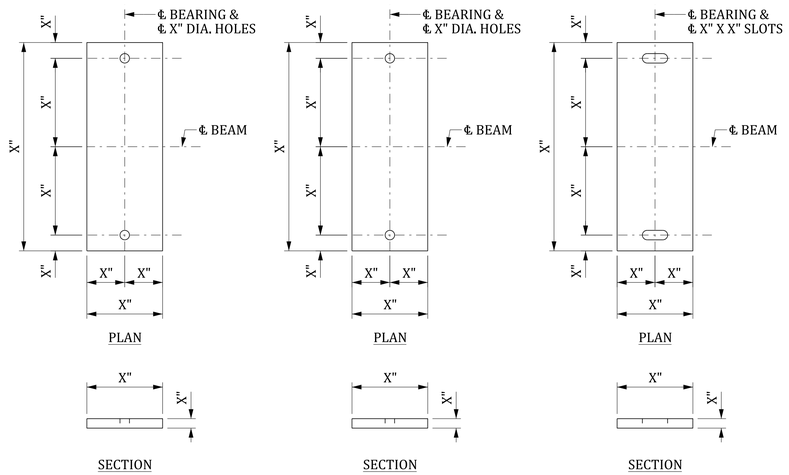
REVIEWED			
QUAN.			
DR.	MRB	01-24	
DES.			
	BY	CHK.	DATE

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BRIDGE CELL LIBRARY
VISUAL AID (2 OF 5)

COUNTY: ROUTE:

BRIDGE PLANS ID	SHEET
	3



END BENT X

AASHTO M270, GR. 36
XX REQUIRED

INTERIOR BENT X

AASHTO M270, GR. 36
XX REQUIRED

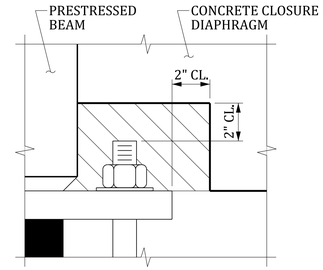
INTERIOR BENT X

AASHTO M270, GR. 36
XX REQUIRED

BEARING PLATE DETAILS

[DET] BEARING PLATE

FULL SIZE 1 = 1

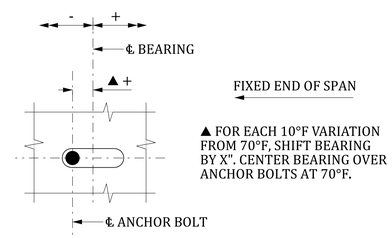


ANCHOR BOLT BLOCKOUT DETAIL

(AT INTERIOR BENT X)

[DET] ANCHOR BLOCKOUT

FULL SIZE 1 = 1

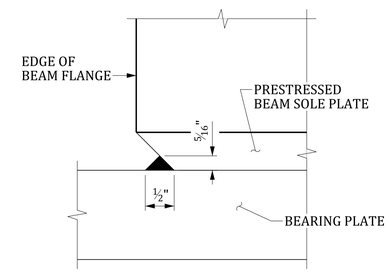


INTERIOR BENT X BEARING SETTING DETAIL

"+" FOR SETTING TEMPERATURE ABOVE 70 °F
"-" FOR SETTING TEMPERATURE BELOW 70 °F

[DET] BEARING SETTING

FULL SIZE 1 = 1



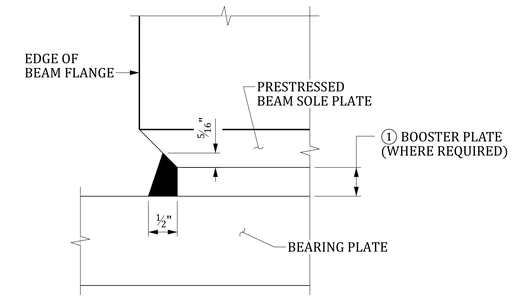
NOTE:

EXERCISE CAUTION DURING FIELD WELDS WHERE AN ELASTOMERIC PAD IS IN CONTACT WITH METAL. AVOID EXPOSING THE ELASTOMER OR ELASTOMER BOND TO INSTANTANEOUS TEMPERATURES GREATER THAN 400°F OR PER MANUFACTURER'S RECOMMENDATION, WHICHEVER IS LOWER. ANY DAMAGE TO ELASTOMERIC BEARING DUE TO WELDING WILL BE CAUSE FOR REJECTION. CONTROL TEMPERATURE BY USE OF HEAT CRAYONS PROVIDED BY THE CONTRACTOR.

WELD (A)

[DET] BEARING WELD

FULL SIZE 1 = 1



NOTE:

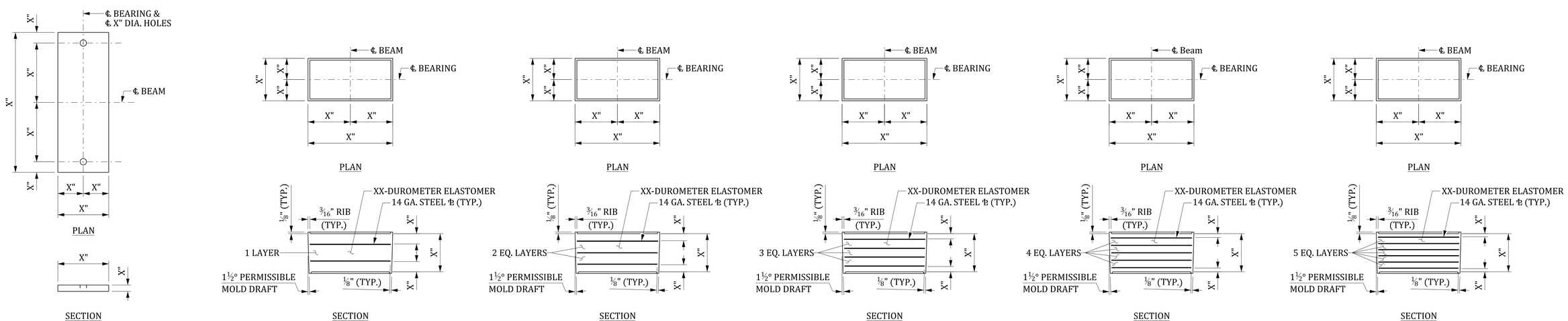
EXERCISE CAUTION DURING FIELD WELDS WHERE AN ELASTOMERIC PAD IS IN CONTACT WITH METAL. AVOID EXPOSING THE ELASTOMER OR ELASTOMER BOND TO INSTANTANEOUS TEMPERATURES GREATER THAN 400°F OR PER MANUFACTURER'S RECOMMENDATION, WHICHEVER IS LOWER. ANY DAMAGE TO ELASTOMERIC BEARING DUE TO WELDING WILL BE CAUSE FOR REJECTION. CONTROL TEMPERATURE BY USE OF HEAT CRAYONS PROVIDED BY THE CONTRACTOR.

(1) AT NO ADDITIONAL EXPENSE TO THE DEPARTMENT, REQUIREMENTS FOR BOOSTER PLATES MAY BE INCORPORATED IN THE THICKNESS OF THE BEARING PLATES

WELD (A)

[DET] BEARING WELD BOOST

FULL SIZE 1 = 1



END BENT X

MAX. (D.L.) REACTION = XXX KIPS
H-XX PLAIN
XX REQUIRED

INTERIOR BENT X

MAX. (D.L. + L.L.) REACTION = XXX KIPS
H-XX LAMINATED
XX REQUIRED

INTERIOR BENT X

MAX. (D.L. + L.L.) REACTION = XXX KIPS
H-XX LAMINATED
XX REQUIRED

INTERIOR BENT X

MAX. (D.L. + L.L.) REACTION = XXX KIPS
H-XX LAMINATED
XX REQUIRED

INTERIOR BENT X

MAX. (D.L. + L.L.) REACTION = XXX KIPS
H-XX LAMINATED
XX REQUIRED

INTERIOR BENT X

MAX. (D.L. + L.L.) REACTION = XXX KIPS
H-XX LAMINATED
XX REQUIRED

ELASTOMERIC BEARING PAD DETAILS

FOR ELASTOMERIC BEARING SPEFICATIONS, SEE SECTION 724 OF THE STANDARD SPECIFICATIONS.
ELASTOMERIC BEARING PADS WERE DESIGNED USING AASHTO METHOD A.
USE ELASTOMER GRADE 2.

[DET] BEARING PAD

FULL SIZE 1 = 1

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DES.			
	BY	CHK.	DATE

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REV.				
REV.				
REV.				

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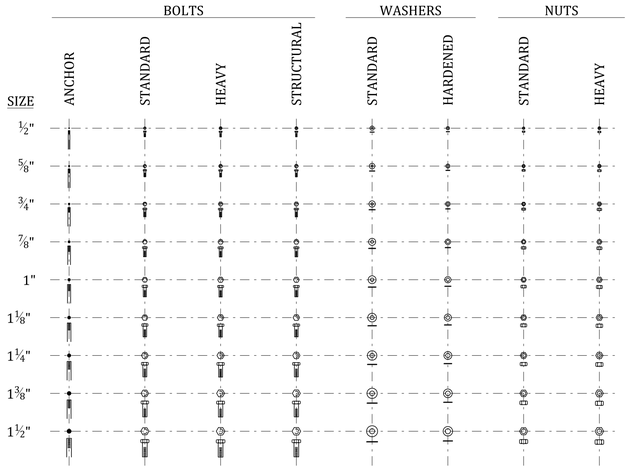
SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BRIDGE CELL LIBRARY
VISUAL AID (3 OF 5)

COUNTY: ROUTE:

BRIDGE PLANS ID	SHEET
	4



[DET] BOLTS

½" = 1'-0"

[DET] REBAR #3-#18

1" = 1'-0"

[DET] BEARING BENT PAD

FULL SIZE 1 = 1

[DET] DECK DRAIN TYPE 1

½" = 1'-0"

[DET] DECK DRAIN TYPE 2

½" = 1'-0"

[DET] DECK DRAIN TYPE 3

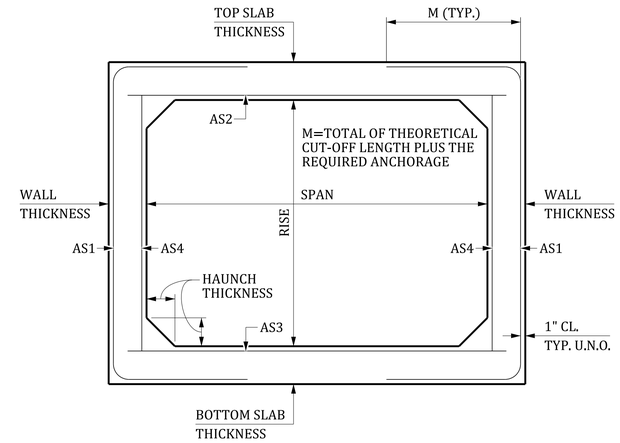
½" = 1'-0"

[DET] RIPRAP PAD

1" = 10'

[DET] SHEET PILE

1" = 1'-0"



PRECAST CONCRETE BOX CULVERT (PCBC) DESIGN CRITERIA				
ROUTE	STATION	SPAN	RISE	DESIGN EARTH COVER
XX-XXX	XX+XX.XX	X'-X"	X'-X"	X'-X"
MINIMUM SECTION THICKNESS				
TOP SLAB	WALLS	HAUNCH	BOTTOM SLAB	
X'-X"	X'-X"	X'-X"	X'-X"	
◪ MINIMUM CIRCUMFERENTIAL REINF. [IN²/FT]				MIN. M [IN]
As1	As2	As3	As4	X
X.XX	X.XX	X.XX	X.XX	

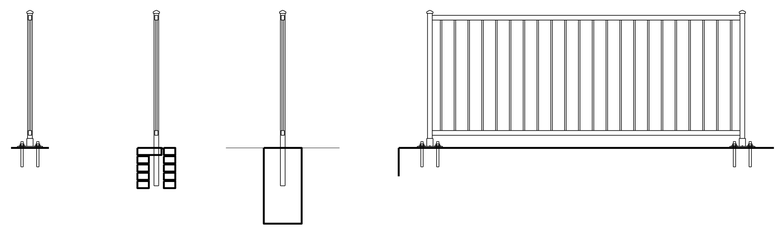
◪ CIRCUMFERENTIAL REINFORCEMENT AREAS ARE BASED SOLELY ON THE USE OF WELDED WIRE REINFORCEMENT WITH 4" SPACING OF THE CIRCUMFERENTIAL WIRES.

TYPICAL PRECAST BOX SECTION

SHOWING GENERAL LAYOUT OF REINFORCING STEEL. SEE ASTM C1577 FOR ADDITONAL DETAILS FOR PLACEMENT OF REINFORCING STEEL NOT INDICATED IN THESE PLANS.

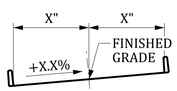
[DET] CULVERT REINF

FULL SIZE 1 = 1



[DET] PICKET FENCE

½" = 1'-0"

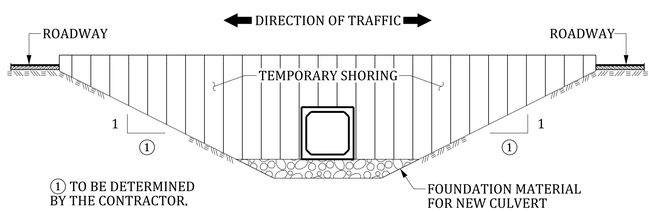


METHOD OF SUPERELEVATION

(LOOKING IN DIRECTION OF STATIONING)

[DET] SUPERELEVATION

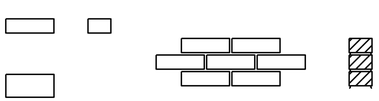
FULL SIZE 1 = 1



SECTION THRU STAGING

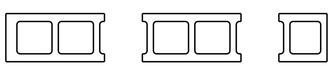
[DET] CULVERT STAGING

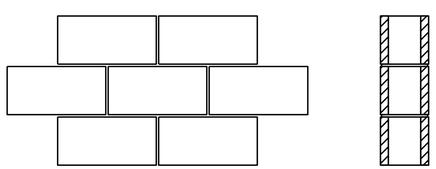
FULL SIZE 1 = 1



[DET] BRICK

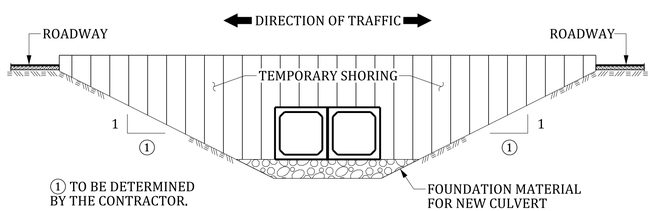
1" = 1'-0"





[DET] CMU

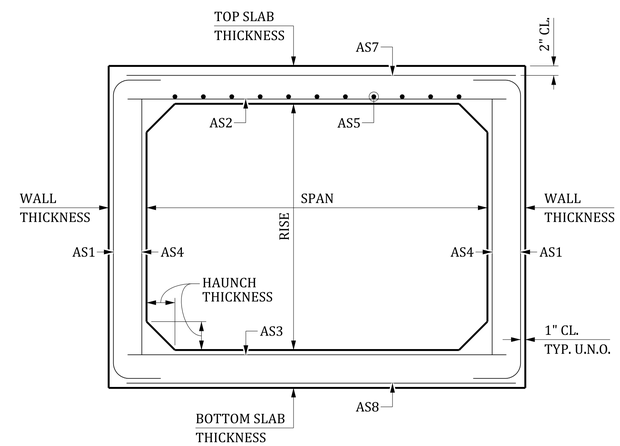
1" = 1'-0"



SECTION THRU STAGING

[DET] CULVERT STAGING 2

FULL SIZE 1 = 1



PRECAST CONCRETE BOX CULVERT (PCBC) DESIGN CRITERIA							
ROUTE	STATION	SPAN	RISE	DESIGN EARTH COVER			
XX-XXX	XX+XX.XX	X'-X"	X'-X"	0 < 2			
MINIMUM SECTION THICKNESS							
TOP SLAB	WALLS	HAUNCH	BOTTOM SLAB				
X'-X"	X'-X"	X'-X"	X'-X"				
◪ MINIMUM CIRCUMFERENTIAL REINFORCEMENT [IN²/FT]							
As1	As2	As3	As4	As5	As6	As7	As8
X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX

◪ CIRCUMFERENTIAL REINFORCEMENT AREAS ARE BASED SOLELY ON THE USE OF WELDED WIRE REINFORCEMENT WITH 4" SPACING OF THE CIRCUMFERENTIAL WIRES.

TYPICAL PRECAST BOX SECTION

SHOWING GENERAL LAYOUT OF REINFORCING STEEL. SEE ASTM C1577 FOR ADDITONAL DETAILS FOR PLACEMENT OF REINFORCING STEEL NOT INDICATED IN THESE PLANS.

[DET] CULVERT REINF 2'

FULL SIZE 1 = 1

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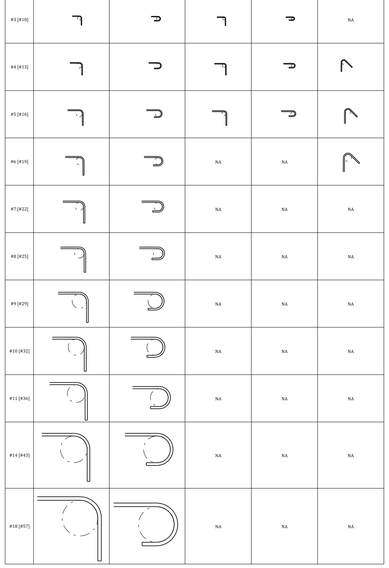
REV.	BY	CHK.	DATE	DESCRIPTION OF REVISION
REV.				
REV.				

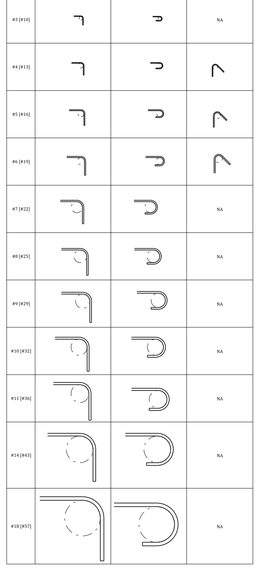
REVIEWED			
QUAN.			
DR.	MRB		01-24
DES.	BY	CHK.	DATE

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BRIDGE CELL LIBRARY
VISUAL AID (4 OF 5)

COUNTY: ROUTE:

UNCOATED BARS					
SIZE	GENERAL		STIRRUPS & TIES		SEISMIC HOOK
	90°	180°	90°	180°	135°
#3 [#10]					NA
#4 [#13]					
#5 [#16]					
#6 [#19]			NA	NA	
#7 [#22]			NA	NA	NA
#8 [#25]			NA	NA	NA
#9 [#29]			NA	NA	NA
#10 [#32]			NA	NA	NA
#11 [#36]			NA	NA	NA
#14 [#43]			NA	NA	NA
#18 [#57]			NA	NA	NA

GALVANIZED BARS			
SIZE	GENERAL		SEISMIC HOOK
	90°	180°	135°
#3 [#10]			NA
#4 [#13]			
#5 [#16]			
#6 [#19]			
#7 [#22]			NA
#8 [#25]			NA
#9 [#29]			NA
#10 [#32]			NA
#11 [#36]			NA
#14 [#43]			NA
#18 [#57]			NA

[DET] REBAR BENDING

¼" = 1'-0"

REVIEWED

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DES.		
	BY	CHK. DATE

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REV.				
REV.				
REV.				
	BY	CHK.	DATE	DESCRIPTION OF REVISION

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BRIDGE CELL LIBRARY
VISUAL AID (5 OF 6)

COUNTY: ROUTE:

BRIDGE PLANS ID	SHEET
	5

[PAT] CONCRETE
FULL SIZE 1 = 1

[PAT] EARTH
FULL SIZE 1 = 1

[PAT] GRAVEL
FULL SIZE 1 = 1

[PAT] BRICK 0.5"
1" = 1'-0"

[PAT] CMU 0.5"
1" = 1'-0"

[PAT] GROUND MOD
FULL SIZE 1 = 1

[PAT] SAND
FULL SIZE 1 = 1

[PAT] STONE
FULL SIZE 1 = 1

[PAT] BRICK 0.375"
1" = 1'-0"

[PAT] CMU 0.375"
1" = 1'-0"

FOR INFORMATION ONLY
[SYM] FOR INFO ONLY
FULL SIZE 1 = 1

PRELIMINARY
SUBJECT TO CHANGE
[SYM] PRELIMINARY
FULL SIZE 1 = 1

[SYM] CONST JT
1" = 1'-0"

T S S L-P L-P
[SYM] WELD LEFT
FULL SIZE 1 = 1

-N-
[SYM] NORTH ARROW
FULL SIZE 1 = 1

[SYM] CIRCLE TERM
FULL SIZE 1 = 1

[SYM] VC TRIANGLE
FULL SIZE 1 = 1

S S L-P L-P T
[SYM] WELD RIGHT
FULL SIZE 1 = 1

[SYM] ARROW TAIL
FULL SIZE 1 = 1

[SYM] SQUIGGLE
FULL SIZE 1 = 1

BENT NO. ➡
[SYM] NUMBER BENT
FULL SIZE 1 = 1

[SYM] ARROW TIP
FULL SIZE 1 = 1

[SYM] BREAK COL
½" = 1'-0"

B-XX
[SYM] BORING
FULL SIZE 1 = 1

PILE NO. ➡
PILES ARE NUMBERED FROM LEFT TO RIGHT LOOKING IN DIRECTION OF STATION.
[SYM] NUMBER PILE
FULL SIZE 1 = 1

[SYM] LANE ARROW
FULL SIZE 1 = 1

[SYM] BREAK DET
FULL SIZE 1 = 1

[SYM] BREAK DET DLB
FULL SIZE 1 = 1

SHAFT NO. ➡
SHAFTS ARE NUMBERED FROM LEFT TO RIGHT LOOKING IN DIRECTION OF STATION.
[SYM] NUMBER SHAFT
FULL SIZE 1 = 1

[SYM] LANE TURN ARROW
FULL SIZE 1 = 1

[SYM] BREAK DIM
FULL SIZE 1 = 1

A A
BEAM NO. ➡
BEAMS ARE NUMBERED FROM LEFT TO RIGHT LOOKING IN DIRECTION OF STATION.
[SYM] NUMBER BEAM
FULL SIZE 1 = 1

[SYM] SECTION CUT 1
FULL SIZE 1 = 1

[SYM] NOTE BOX
FULL SIZE 1 = 1

A #
[SYM] SECTION CUT 2
FULL SIZE 1 = 1

[SYM] NOTE REV
FULL SIZE 1 = 1

[SYM] STRAND 1
1" = 1'-0"

[SYM] STAR
FULL SIZE 1 = 1

STATION
[SYM] STATION DIR
FULL SIZE 1 = 1

[SYM] STRAND 2
1" = 1'-0"

***
[SYM] WATER ELEV
FULL SIZE 1 = 1

[SYM] STRAND 3
1" = 1'-0"

XXX XXX+XXX.XX
[SYM] CURVE MARKER
FULL SIZE 1 = 1

FLOW XXXXX XXXXX
[SYM] FLOW
FULL SIZE 1 = 1

[SYM] CLOVER
FULL SIZE 1 = 1

[SYM] SQUARE
FULL SIZE 1 = 1

[SYM] TRIANGLE
FULL SIZE 1 = 1

[SYM] CIRCLE HALF
FULL SIZE 1 = 1

[SYM] SQUARE HALF
FULL SIZE 1 = 1

[SYM] DIAMOND
FULL SIZE 1 = 1

[SYM] NOTE BUBBLE
FULL SIZE 1 = 1

THESE SYMBOLS ARE PART OF THE CAMBRIA MATH FONT.

[SYM] ARROW MASK
FULL SIZE 1 = 1

[SYM] ARROW TRIM
FULL SIZE 1 = 1

THESE SYMBOLS ARE USED TO CLIP ELEMENTS AROUND AN ARROW HEAD. THEY ARE LOCATED ON A BACKGROUND OR NO PRINT LEVEL AND ARE NOT VISIBLE IN A PDF.

HYDROLOGY DATA
DRAINAGE AREA = XXX SQ. MI.

	X% AEP	1% AEP
FLOW =	X,XXX CFS	X,XXX CFS
VELOCITY =	X.XX FPS	X.XX FPS
W.S. ELEV. =	XXX.XX FT	XXX.XX FT

HISTORICAL HIGHWATER ELEV. = XXX.XX FT
BACKWATER ELEVATION UPSTREAM
X% AEP H.W. ELEV. = XXX.XX FT INCLUDING X.XX FT BACKWATER
1% AEP H.W. ELEV. = XXX.XX FT INCLUDING X.XX FT BACKWATER
STRUCTURE OVERTOPPING FLOOD
0.2% AEP FLOW = X,XXX CFS
OVERTOPPING FLOW: XXXXXXXXXXXXXXXXXXXX

[DET] HY DATA BR
FULL SIZE 1 = 1

HYDROLOGY DATA
MEAN HIGHER HIGH WATER ELEV. = XX.XX FT
MEAN LOWER LOW WATER ELEV. = XX.XX FT
1% AEP MAX WAVE PLUS SURGE HEIGHT = XX.XX FT

	1% AEP	0.2% AEP
STILLWATER HEIGHT =	XX.XX FT	XX.XX FT
VELOCITY =	X.XX FPS	X.XX FPS
MAX. WAVE HEIGHT =	XX.XX FT	——
MAX. WAVE CREST ELEV. =	XX.XX FT	——

HISTORICAL HIGHWATER ELEV. = XX.XX FT
MIN. BOTTOM INTERIOR BENT CAP ELEV. = XX.XX FT
BACKWATER ELEVATION UPSTREAM
X% AEP H.W. ELEV. = XXX.XX FT INCLUDING X.XX FT BACKWATER
1% AEP H.W. ELEV. = XXX.XX FT INCLUDING X.XX FT BACKWATER
DRIFT CLEARANCE ABOVE H.W. = XX.XX FT
1% AEP CLEAR. ABOVE MAX. WAVE CREST = XX.XX FT
STRUCTURE OVERTOPPING FLOOD
0.2% AEP FLOW = X,XXX CFS
OVERTOPPING FLOW: XXXXXXXXXXXXXXXXXXXX

[DET] HY DATA TIDAL BR
FULL SIZE 1 = 1

HYDROLOGY DATA
MEAN HIGHER HIGH WATER ELEV. = XX.XX FT
MEAN LOWER LOW WATER ELEV. = XX.XX FT
TIDAL SURGE HEIGHT = XX.XX FT

	1% AEP	0.2% AEP
STILLWATER HEIGHT =	XX.XX FT	XX.XX FT
VELOCITY =	X.XX FPS	X.XX FPS
MAX. WAVE HEIGHT =	XX.XX FT	——
MAX. WAVE CREST ELEV. =	XX.XX FT	——
WAVE RUNUP ELEV. =	XX.XX FT	——

	X% AEP	1% AEP
HEADWATER ELEV. =	XX.XX FT	XX.XX FT

HISTORICAL HIGHWATER ELEV. = XX.XX FT
BACKWATER ELEVATION UPSTREAM
X% AEP H.W. ELEV. = XXX.XX FT INCLUDING X.XX FT BACKWATER
1% AEP H.W. ELEV. = XXX.XX FT INCLUDING X.XX FT BACKWATER
STRUCTURE OVERTOPPING FLOOD
0.2% AEP FLOW = X,XXX CFS
OVERTOPPING FLOW: XXXXXXXXXXXXXXXXXXXX

[DET] HY DATA TIDAL BR CULVERT
FULL SIZE 1 = 1

HYDROLOGY DATA
DRAINAGE AREA = XXX SQ. MI.

	X% AEP	1% AEP
FLOW =	X,XXX CFS	X,XXX CFS
VELOCITY =	X.XX FPS	X.XX FPS
HEADWATER ELEV. =	XXX.XX FT	XXX.XX FT

HISTORICAL HIGHWATER ELEV. = XXX.XX FT
BACKWATER ELEVATION UPSTREAM
X% AEP H.W. ELEV. = XXX.XX FT INCLUDING X.XX FT BACKWATER
1% AEP H.W. ELEV. = XXX.XX FT INCLUDING X.XX FT BACKWATER
STRUCTURE OVERTOPPING FLOOD
0.2% AEP FLOW = X,XXX CFS
OVERTOPPING FLOW: XXXXXXXXXXXXXXXXXXXX

[DET] HY DATA CLVT
FULL SIZE 1 = 1

HYDROLOGY DATA
MEAN HIGHER HIGH WATER ELEV. = XX.XX FT
MEAN LOWER LOW WATER ELEV. = XX.XX FT
DESIGN TIDAL SURGE HEIGHT = XX.XX FT

	1% AEP	0.2% AEP
STILLWATER HEIGHT =	XX.XX FT	XX.XX FT
VELOCITY =	X.XX FPS	X.XX FPS

	X% AEP	1% AEP
HEADWATER ELEV. =	XX.XX FT	XX.XX FT

HISTORICAL HIGHWATER ELEV. = XX.XX FT
BACKWATER ELEVATION UPSTREAM
X% AEP H.W. ELEV. = XXX.XX FT INCLUDING X.XX FT BACKWATER
1% AEP H.W. ELEV. = XXX.XX FT INCLUDING X.XX FT BACKWATER
STRUCTURE OVERTOPPING FLOOD
0.2% AEP FLOW = X,XXX CFS
OVERTOPPING FLOW: XXXXXXXXXXXXXXXXXXXX

[DET] HY DATA TIDAL CLVT
FULL SIZE 1 = 1

VERTICAL CURVE DATA
-X.XX% -X.XX%

VPI STA.	=	XXX+XX.XX
VPI ELEV.	=	XXX.XX
V.C.	=	XXX'

[DET] VERT CURVE DATA 1VPI
FULL SIZE 1 = 1

HYDROLOGY DATA
DRAINAGE AREA = XXX SQ. MI.

	X% AEP	1% AEP
FLOW =	X,XXX CFS	X,XXX CFS
VELOCITY =	X.XX FPS	X.XX FPS
HEADWATER ELEV. =	XXX.XX FT	XXX.XX FT

HISTORICAL HIGHWATER ELEV. = XXX.XX FT
BACKWATER ELEVATION UPSTREAM
X% AEP H.W. ELEV. = XXX.XX FT INCLUDING X.XX FT BACKWATER
1% AEP H.W. ELEV. = XXX.XX FT INCLUDING X.XX FT BACKWATER
STRUCTURE OVERTOPPING FLOOD
0.2% AEP FLOW = X,XXX CFS
OVERTOPPING FLOW: XXXXXXXXXXXXXXXXXXXX

[DET] HY DATA BR CLVT
FULL SIZE 1 = 1

VERTICAL CURVE DATA
-X.XX% -X.XX% +X.XX%

VPI STA.	=	XXX+XX.XX	XXX+XX.XX
VPI ELEV.	=	XXX.XX	XXX.XX
V.C.	=	XXX'	XXX'

[DET] VERT CURVE DATA 2VPI
FULL SIZE 1 = 1

RETAINING WALL DESIGN DATA
XXXXXXX EARTH PRESSURE THEORY
SURCHARGE = XXX PSF LIVE LOAD
BACKFILL SLOPE= XX:1
γ = XXX PCF
φ = XX°
δ = XX°
μ = X.XX
q_R = X,XXX PSF
k_A = X.XXX

[DET] RETAIN WALL DATA
FULL SIZE 1 = 1

HORIZONTAL CURVE DATA
PI = XXX+XX.XX
Δ = XX°XX'XX"
D = XX°XX'XX"
T = XXX.XX'
L = XXX.XX'
E = XXX.XX'
R = X,XXX.X'

[DET] HORIZ CURVE DATA
FULL SIZE 1 = 1

BEARING LEGEND
F = FIXED
X = EXPANSION
I = INTEGRAL
SI = SEMI-INTEGRAL

[DET] BEARING LEGEND
FULL SIZE 1 = 1

BM #X - XXXXXXXXXXXXXXX
STA. XXX+XX.XX, XX.XX' LT.
ROUTE X-XXX, ELEV. XXX.XXX

[DET] BENCHMARK
FULL SIZE 1 = 1

COUNTY	PROJECT ID	ROUTE	SHEET
####	####	####	####

[DET] ROADWAY STRUCT
FULL SIZE 1 = 1

REV.				BY	CHK.	DATE	DESCRIPTION OF REVISION
REV.							
REV.							

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REVIEWED				
QUAN.				
DR.	MRB	01-24		
DES.				
	BY	CHK.	DATE	

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BRIDGE CELL LIBRARY
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COUNTY: ROUTE: