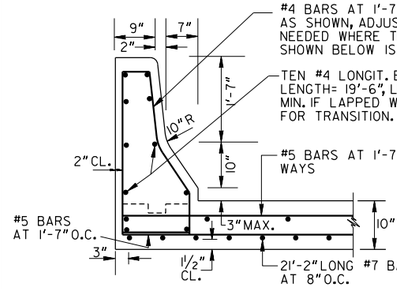
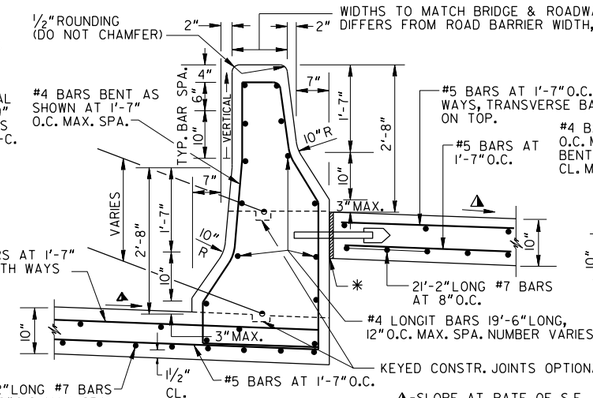
GDOT Georgia Department of Transportation | P. I. No. XXXXXXX



NOTE: SIDE BARRIER ON APPROACH SLAB IS APPLICABLE WHERE SIDE BARRIER IS CONTINUED ALONG ROADWAY OR WHERE GUARDRAIL CANNOT BE ATTACHED AT BRIDGE END. NORMALLY BRIDGE SIDE BARRIER IS TRANSITIONED TO END POST ON BRIDGE.

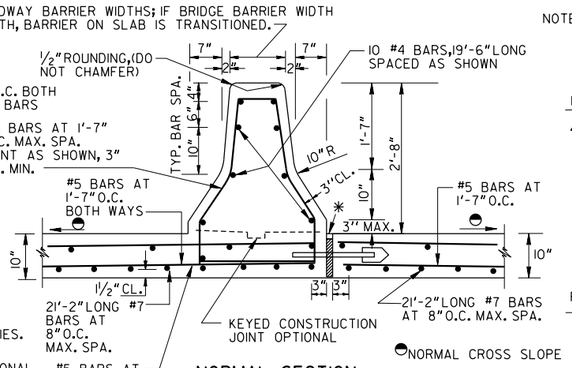
SECTION A-A



S.E. SECTION

✱ EXPANSION JT. (SHOWN) OR CONSTR. JOINT AS REQ'D. SEE NOTE A

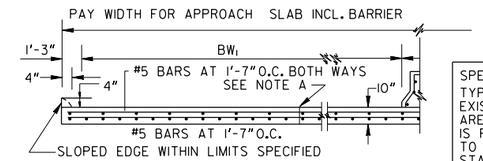
◭-SLOPE AT RATE OF S.E.



NORMAL SECTION

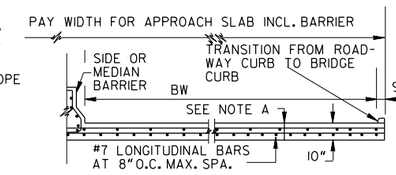
NOTE: WHERE APPROACH SLAB IS INTERCEPTED BY END POST OR WHERE TRANSITION CURB IS INTERCEPTED BY CATCH BASIN, EXTERIOR BARS WILL BE SHORTENED AS NEEDED TO GIVE A 3" CLEARANCE TO THE STRUCTURE.

NOTE: BW INDICATES BRIDGE WIDTH MEASURED FROM BRIDGE GUTTER LINE TO BRIDGE GUTTER LINE.

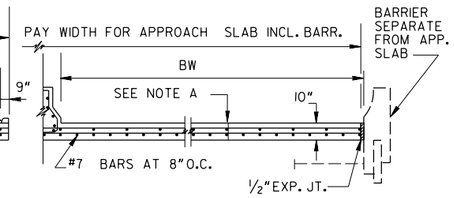


HALF SECTION: WITH SLOPED EDGE

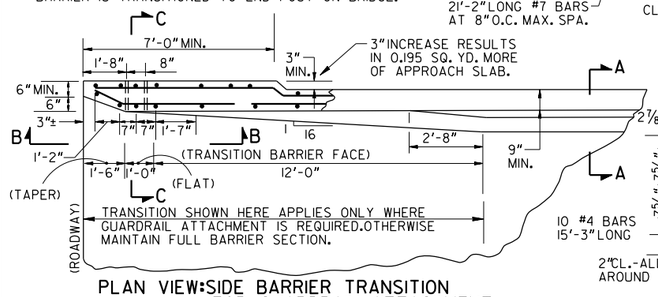
SPECIAL NOTE:
TYPICAL USE OF THIS STANDARD IS WHERE EXISTING 20 FOOT LENGTH APPROACH SLABS ARE TO BE WIDENED, CONCRETE BARRIER IS REQUIRED, AND THE EXISTING SLAB IS TO BE LEFT IN PLACE. SEE SEPARATE STANDARDS FOR MORE COMMONLY REQUIRED 30 FT. LENGTH APPROACH SLABS.



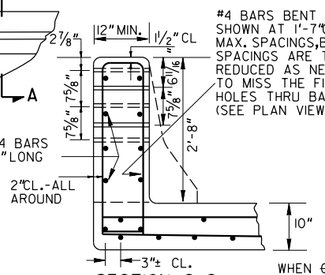
HALF SECTION: WITH CURB



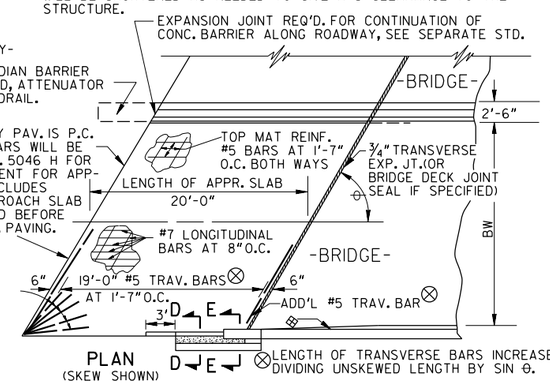
HALF SECTION: SEPARATE BARRIER



PLAN VIEW: SIDE BARRIER TRANSITION FOR GUARDRAIL ATTACHMENT



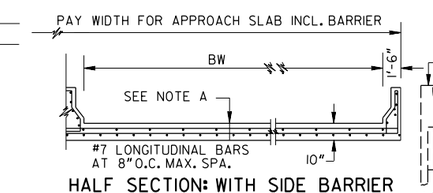
SECTION C-C



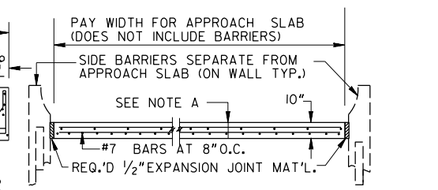
PLAN (SKEW SHOWN)

WHEN θ = 70° OR LESS, 5 #6 BARS (8' LONG) ARE REQ'D. IN ALL ACUTE CORNERS FANNED BELOW REINF. TOP MAT.

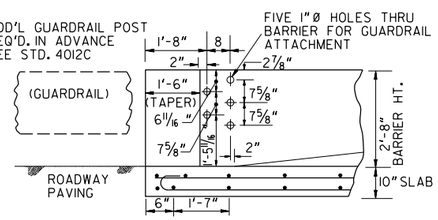
⊗ LENGTH OF TRANSVERSE BARS INCREASED BY DIVIDING UNSKEWED LENGTH BY SIN θ.



HALF SECTION: WITH SIDE BARRIER

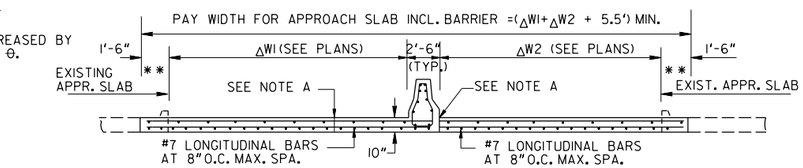


HALF SECTION: 2 SEPARATE BARRIERS



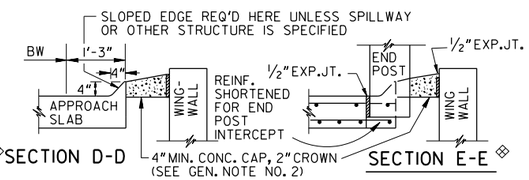
SECTION B-B

NOTE:
WHERE GUARDRAIL IS REQ'D., SEE STANDARD 4270 FOR SPECIAL END SHOE ATTACHMENT. REDUCED POST SPACINGS SHALL BE REQUIRED, SEE STD. 4012C OR OTHER APPLICABLE DETAIL. PAYMENT FOR APPROACH SLAB INCLUDES BARRIER TRANSITION WITH FIVE 1" Ø HOLES PROPERLY LOCATED WHERE GUARDRAIL IS REQUIRED. PAYMENT FOR GUARDRAIL INCLUDES SPECIAL END SHOE, GUARDRAIL, POSTS, ETC.



TYPICAL SECTION: ADDITIONAL LANES REQUIRED IN MEDIAN

✱✱ SEE DETAIL AT LEFT FOR CONNECTING NEW & EXISTING APPROACH SLAB

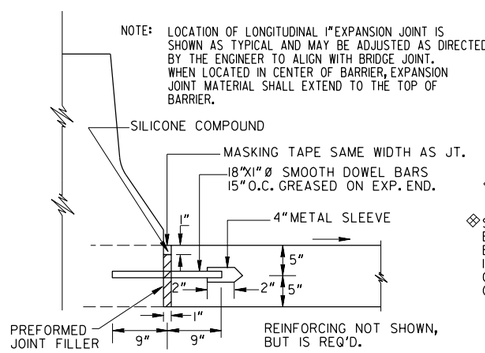


⊗SECTION D-D

SECTION E-E ⊗

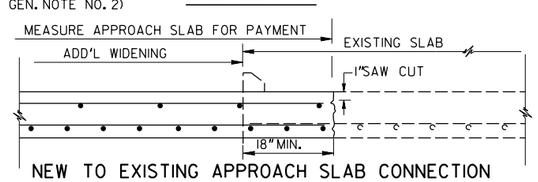
⊗ SEC D-D, SEC E-E & SIDE BARRIER TRANSITION ON BRIDGE IS NOT APPLICABLE IF SIDE BARRIER IS REQ'D ON THE APPROACH SLAB (SEE DETAILS ABOVE LT.)

NOTE: LOCATION OF LONGITUDINAL 1" EXPANSION JOINT IS SHOWN AS TYPICAL AND MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO ALIGN WITH BRIDGE JOINT. WHEN LOCATED IN CENTER OF BARRIER, EXPANSION JOINT MATERIAL SHALL EXTEND TO THE TOP OF BARRIER.



LONGITUDINAL 1" EXPANSION JOINT DETAIL

NOTE: LONGITUDINAL EXP. JOINT NOT REQ'D. FOR APPROACH SLAB LESS THAN 100 FT. WIDE UNLESS SO SPECIFIED



NEW TO EXISTING APPROACH SLAB CONNECTION

REMOVE CONCRETE FROM 18" STRIP WITH CARE TO MAKE CUT AS VERTICAL AS POSSIBLE. EXPOSED BARS TO BE CUT AND BENT TO FIT WITH ALL SCALE AND RUST REMOVED. EPOXY IS REQUIRED BETWEEN NEW AND EXISTING CONCRETE. EXISTING REINFORCING SHALL EXTEND 15" MIN. INTO NEW SECTION. PAYMENT FOR NEW SLAB INCLUDES ALL WORK HERE DESCRIBED.

GENERAL NOTES:

1. REINFORCED CONCRETE APPROACH SLAB INCLUDING BARRIER INDICATES THAT ONE OR MORE CONCRETE (SIDE OR MEDIAN) BARRIERS IS REQUIRED ON THE APPROACH SLAB. IF APPROACH SLAB REQUIRES CURB OR SLOPED EDGE AS WELL AS CONCRETE BARRIER, THE ENTIRE SLAB IS TO BE ITEMIZED AS REINFORCED CONCRETE APPROACH SLAB INCLUDING BARRIER.

   COMPUTE SQ. YDS. OF APPROACH SLAB BY MULTIPLYING THE SLAB PAY WIDTH (ft. F.)BY 20/9.

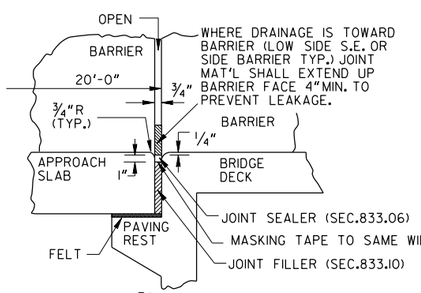
2. THE 4" CONCRETE CAP ADJACENT TO APPROACH SLAB WILL HAVE HOLES BLOCKED OUT FOR GUARDRAIL POST INSTALLATION (STD. 4012C) UNLESS IT HAS BEEN VERIFIED THAT GUARDRAIL IS NOT REQUIRED. PAYMENT FOR APPROACH SLAB INCLUDES THE 1/2" EXP. MATERIAL & CONC. CAP. WITH THE BLOCKED OUT HOLES.

3. SEE SEPARATE SHEETS FOR SUBBASE OR OTHER MATERIALS UNDER APPROACH SLAB.

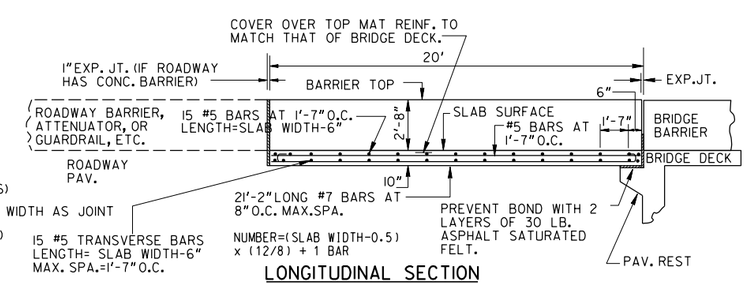
NOTES FOR JOINTS.

A. ALL APPROACH SLABS EXCEEDING 42' IN WIDTH WILL CONTAIN A LONGITUDINAL CONSTRUCTION JOINT, APPROACH SLABS EXCEEDING 60' AND 90' IN WIDTH SHALL CONTAIN 2 AND 3 LONGITUDINAL CONSTRUCTION JOINTS RESPECTIVELY. LONGITUDINAL EXPANSION JOINT SHALL BE REQUIRED IF APPROACH SLAB IS OVER 100 FT. IN WIDTH-OR WHERE BRIDGE HAS A LONGITUDINAL EXPANSION JOINT, THE APPROACH SLAB EXPANSION JOINT SHALL BE ALIGNED TO MATCH. SECTIONS BETWEEN JOINTS OR BETWEEN THE SLAB EDGE AND A JOINT SHALL NOT BE LESS THAN 12' OR MORE THAN 30' WIDE. JOINTS SHALL BE LOCATED AT LANE LINES TO PROVIDE OFFSET FROM WHEEL PATHS. APPROACH SLABS WITH LONGITUDINAL CONSTRUCTION JOINTS SHALL BE MADE WITH MORE THAN ONE POUR. REINFORCING STEEL SHALL EXTEND THRU CONSTRUCTION JOINT UNCHANGED, BUT NOT THRU EXPANSION JOINT.

B. TRANSVERSE JOINT BETWEEN APPROACH SLAB AND BRIDGE SHALL BE AN 3/4" EXPANSION JOINT AS SHOWN UNLESS SPECIFIED OTHERWISE. SEE SEPARATE SHEET WHERE BRIDGE DECK JOINT SEAL IS SPECIFIED. IF BRIDGE DECK JOINT SEAL IS USED BETWEEN THE APPROACH SLAB AND BRIDGE, THE END OF SLAB ADJACENT TO END POST WILL BE SEALED WITH LOW MODULUS SILICONE SEALANT.



TRANSVERSE 3/4" EXPANSION JOINT



LONGITUDINAL SECTION

REV. SEC. "D-D" WIDTH	6-28-93
BARRIER REINF. PLACEMENT	12-4-89
T BEAM CONN.	3-29-89
REVISION	DATE
RMU	
RMU	
RMU	
BY	

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD REINFORCED CONCRETE APPROACH SLAB 20' LENGTH
(WITH CONCRETE BARRIER)

NOT TO SCALE — REDRAWN JULY 2024 — JULY 1985

DES. RMU
DRW. RMU
TRA. GME
CHK. RKC

(SUBMITTED) STATE ROAD & AIRPORT DESIGN ENGR.
(APPROVED) STATE HIGHWAY ENGINEER

NUMBER 9017N