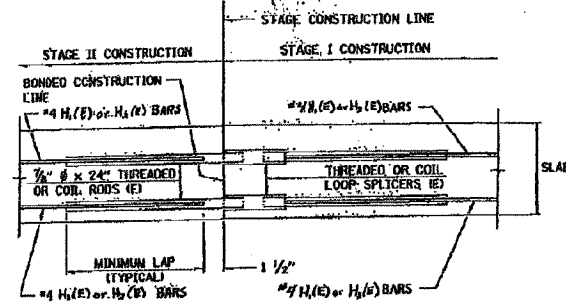


FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET	SHEET NO. 13
FAP 328	#	CLAY	61	56	13 SHEETS
FED. ROAD DIST. NO.	DRAWING	FED. AID PROJECT	CONTRACT NO. 74037 * 16BR-21B-1		



TYPICAL SECTION AT ABUTMENT

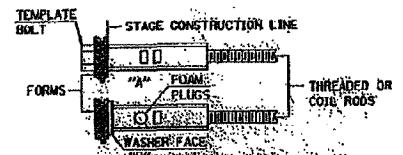
THE DIAMETER OF THIS PART OF SPLICER IS THE SAME AS THE DIAMETER OF THE BAR SPLICED.

ROLLED THREAD DOWEL BAR

ONE PIECE WIRE CONNECTOR

WELDED SECTIONS

SPLICER ALTERNATIVES
 ** HEAVY HEX NUTS CONFORMING TO ASTM A 563, GRADE C.D. OR OH MAY BE USED.



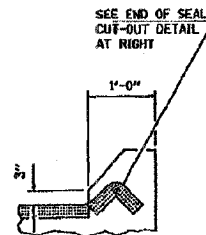
INSTALLATION AND SETTING METHODS

** #4 SET SPLICER BY MEANS OF A TEMPLATE BOLT.
 ** #4 SET SPLICER BY MEANS OF 1/2" ROD FORMS OR CEMENTING TO METAL FORMS.
 (E) INDICATES EPOXY COATING.

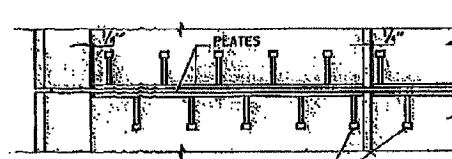
NOTES

STEEL SPLICER (COUPLER) ASSEMBLY SHALL BE OF AN APPROVED TYPE AND SHALL DEVELOP IN TENSION AT LEAST 125 PERCENT OF THE YIELD STRENGTH OF THE LAPPED REINFORCEMENT BAR.
 STEEL SPLICER RODS SHALL BE OF MINIMUM 60 KSI YIELD STRENGTH THREADED OR COILED FULL LENGTH AND HAVE EFFECTIVE TENSILE STRESS AREA EQUAL TO OR GREATER THAN THAT OF THE LAPPED REINFORCEMENT BARS.
 ALL REINFORCEMENT BARS SHALL BE LAPPED AND TIED TO THE SPLICER RODS. SPLICER COMPLETE ASSEMBLY (IN THE FIELD) SHALL BE EPDM COATED IN ACCORDANCE WITH THE REQUIREMENTS FOR REINFORCEMENT BARS.
 OTHER SYSTEMS OF SIMILAR DESIGN MAY BE SUBMITTED TO THE ENGINEER FOR APPROVAL. APPROVAL SHALL BE BASED ON CERTIFIED TEST RESULTS FROM AN APPROVED TESTING LABORATORY THAT THE PROPOSED SPLICER (COUPLER) ASSEMBLY SATISFIES THE FOLLOWING REQUIREMENTS:
 1. MINIMUM CAPACITY (TENSION IN KIIPS) - 125% AT 76% ALLOW.
 2. MINIMUM PULL-OUT STRENGTH (TENSION IN KIIPS) - 125% AT 76% ALLOW.
 WHERE: Y₁ = YIELD STRENGTH OF LAPPED REINFORCEMENT BARS IN KSI.
 76% ALLOW = ALLOWABLE TENSILE STRESS IN LAPPED REINFORCED BARS.
 4. TENSILE STRENGTH IN KIIPS OF LAPPED REINFORCEMENT BARS.
 5. 28 DAY CONCRETE STRENGTH IN KIIPS.

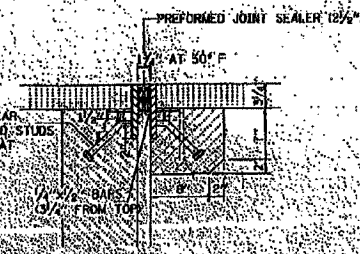
TYPICAL SPLICER (COUPLER) ASSEMBLY SIZES:
 IN SLAB: #4 BAR LAP WITH #4 SPLICER (COUPLER) #4 SPLICER RODS. MINIMUM CAPACITY = 230 KIIPS TENSION. MINIMUM PULL-OUT STRENGTH = 9.2 KIIPS TENSION.



END OF SEALER TREATMENT



3/4" x 8" GRANULAR OR SOLID FLUX FILLED HEADED STUDS CONFORMING TO ART. 710.38 OF THE STD. SPEC'S. AUTOMATICALLY END WELDED AT 12" ALTERNATE CENTERS.

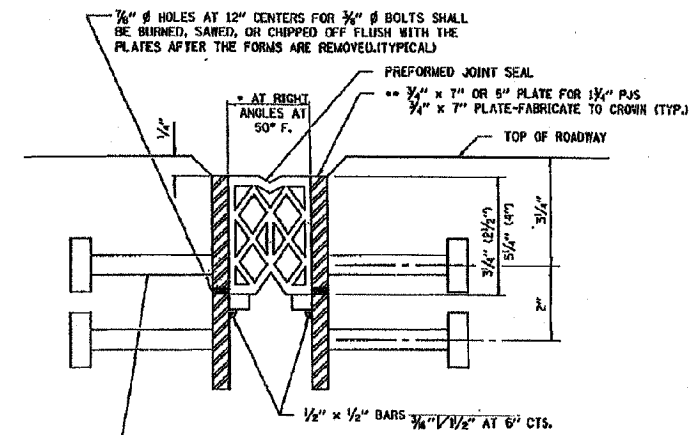


EXISTING JOINT SEAL

GENERAL NOTES FOR PREFORMED JOINT SEAL.

AFTER FABRICATION ALL SURFACES OF THE STEEL PLATES SHALL BE PAINTED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF ARTICLE 503.04 OF THE STANDARD SPECIFICATIONS.
 JOINT OPENINGS SHALL BE ADJUSTED IN ACCORDANCE WITH ARTICLE 503.07 (d) OF THE STANDARD SPECIFICATIONS.

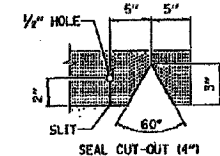
SECTION	DRUM	DATE	BY
(S, G), RS	CLAY	144	51



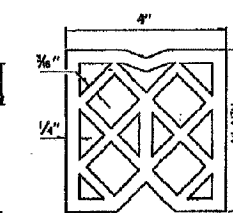
3/4" x 8" GRANULAR OR SOLID FLUX FILLED HEADED STUDS CONFORMING TO ARTICLE 710.38 OF THE STANDARD SPECIFICATIONS. AUTOMATICALLY END WELDED AT 12" ALT. CTS.

1" AT 50° F (1 1/2")
 1 1/2" AT 50° F (2 1/4")
 2 1/4" AT 50° F (4")

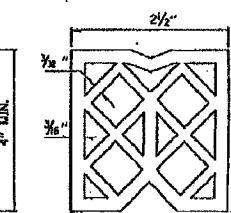
** FURNISH IN SEGMENTS OF 25 FT. MAXIMUM LENGTH. MAXIMUM SPACE BETWEEN INSTALLED SEGMENTS SHALL BE 1/8". SEAL SPACE WITH SILICONE SEALANT SUITABLE FOR STRUCTURAL STEEL.



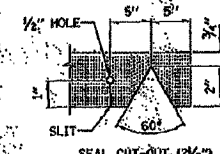
SEAL CUT-OUT (4")



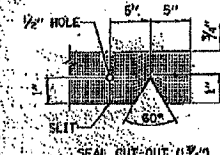
(4")



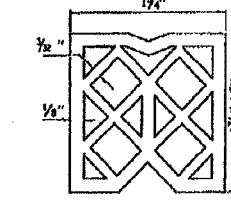
(2 1/2")



SEAL CUT-OUT (1 1/4")



SEAL CUT-OUT (1 1/4")



(1 1/4")

PREFORMED JOINT SEALS

JOINT DETAIL