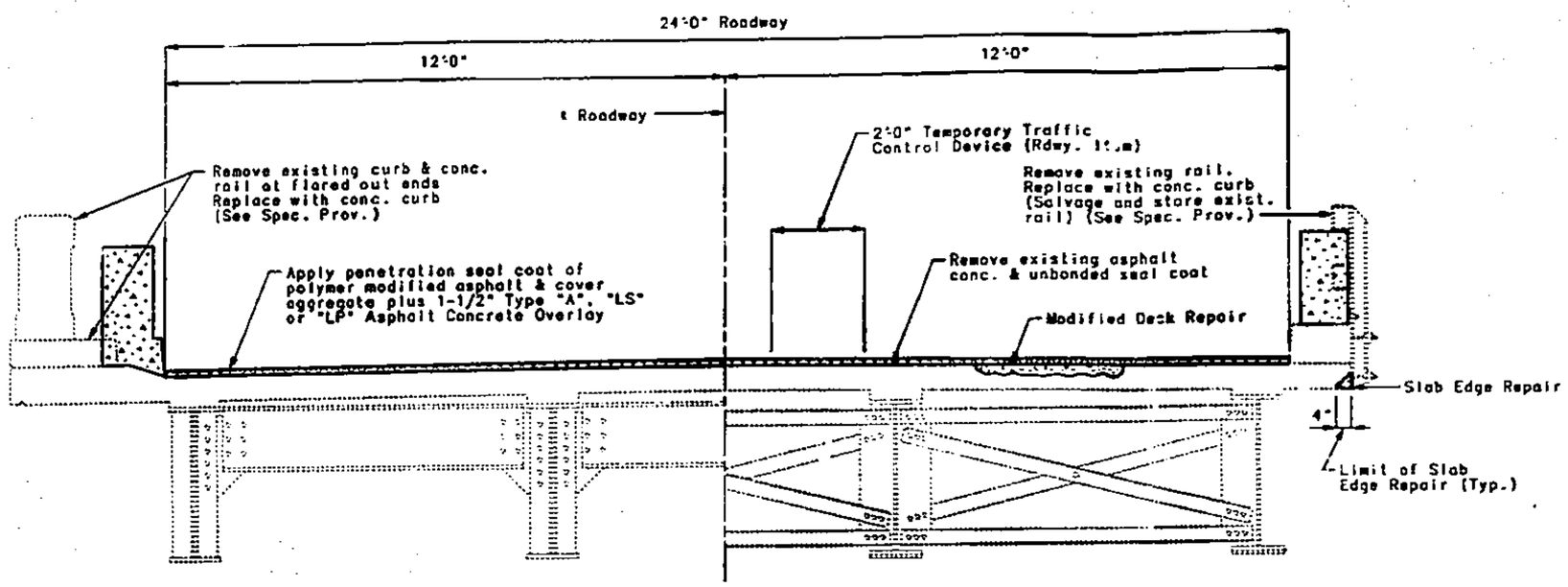
MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

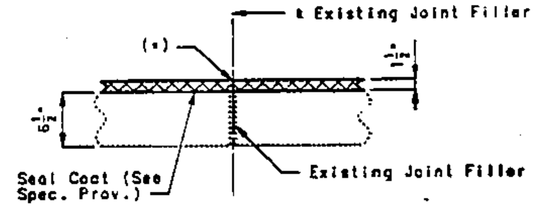
STATE	PROJ. NO.	SHEET NO.
NO.		1
SEC./SUR. 10 TWP. 52N RGE. 30W		



HALF SECTION NEAR END DIAPHRAGM

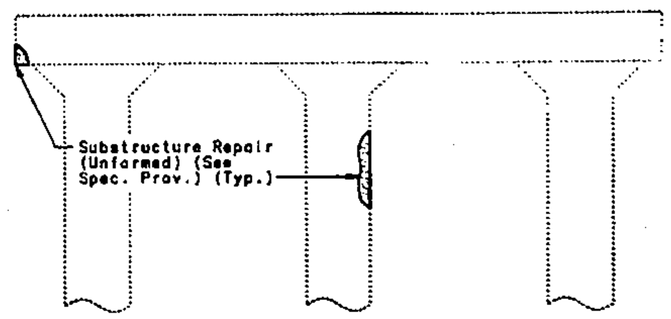
HALF SECTION NEAR INT. DIAPHRAGM

SECTION THRU SLAB



SECTION THRU JOINT

(*) Saw cut 1" deep and fill with liquid joint sealant in accordance with Section 1057.1.3.



SUBSTRUCTURE REPAIR

ESTIMATED QUANTITIES

ITEM		TOTAL
Removal and Storage of Existing Bridge Rail	Lin. Ft.	291
Asphalt Removal (Bridges)	Sq. Ft.	3852
* Alternate Asph. Conc. Wearing Surface (Bridge)	Sq. Yd.	428
Polymer Modified Asphalt (Seal Coat)	Gallon	150
Cover Aggregate	Ton	5
Substructure Repair (Unformed)	Sq. Ft.	75
Curb Modification	Lin. Ft.	321
Slab Edge Repair (Bridges)	Lin. Ft.	10
Modified Deck Repair	Sq. Ft.	50

Notes:

The polymer modified asphalt shall be applied at a rate of .35 gallons per sq. yd. (See spec. prov.)

The cover aggregate shall be applied at a rate of .0125 tons per sq. yd. (See spec. prov.)

* See Special Provisions

GENERAL NOTES:

Design Specifications:

A.A.S.H.T.O. 1992 and interims thru 1994

Design Unit Stresses:

Class B1 Concrete (Superstructure) F'C=4,000 PSI
Reinforcing steel (Grade 60) FY=60,000 PSI

Joint Filler:

All joint filler shall meet the requirements of Std. Spec. 1057.2.4. except as noted.

Reinforcing Steel:

Minimum clearance to reinforcing steel shall be 1-1/2", unless otherwise noted.

Bars bonded in old concrete not removed shall be cleanly stripped and embedded into new concrete where possible. If the length is available, old bars shall extend into new concrete at least 40 diameters for smooth bars and 30 diameters for deformed bars, unless otherwise noted.

Existing Work:

Outline of old work is indicated by light dashed lines, heavy lines indicate new work.

Traffic Maintained:

Maintain one lane of traffic over structures during construction (See Rdwy. Plan)

Verify Dimensions:

Contractor shall verify all dimensions in field before ordering materials.

Approaches:

Roadway surfacing adjacent to bridge ends to match bridge overlay. (See Rdwy. Plans)

Maintain Grade:

In order to maintain grade and a minimum thickness of overlay as shown on plans it may be necessary to use additional quantities of overlay at various locations throughout the structure. No payment will be allowed for additional labor, materials or equipment for variations in thickness of overlay.

Existing Rail:

Salvage and store existing steel rail components at M.H.T.D. Oak Grove maintenance lot. (See Special Provisions)

Exposed Concrete:

The areas exposed by the removal of concrete and not covered with new concrete shall be coated with an approved special mortar.

ESTIMATED QUANTITIES FOR ALTERNATE ASPHALTIC CONCRETE WEARING SURFACE

TYPE:	ASPHALTIC CEMENT (TONS)	AGGREGATE (TONS)	MIX USED (✓)
Limestone Porphyry (LP) Asphaltic Concrete Mix	1.8	33.5	
Limestone Steel Slag (LS) Asphaltic Concrete Mix	1.9	37.0	
Type A Asphaltic Concrete Mix	1.8	33.4	

MHTD construction personnel shall complete column labeled "Mix Used (✓)".

Type AC-20 asphalt cement is required in the asphaltic concrete mixes for bridge deck overlays when the adjacent roadways are not to be overlaid.

REPAIRS TO:
BRIDGE OVER N.B.L. RTE. 69

STATE ROAD FROM RTE. 33 N.E. TO EXCELSIOR SPRINGS
ABOUT 1.0 MILE S.W. OF EXCELSIOR SPRINGS

PROJECT NO. STA. 7+37.3 (MATCH EXIST.)
JOB NO. J4U1240 RTE. 69
CLAY COUNTY

STD. 708.35
L05352

DATE 1/22/1996

DETAILED AUG. 1995
CHECKED SEPT. 1995

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

SHEET NO. 1 OF 4

343

1618