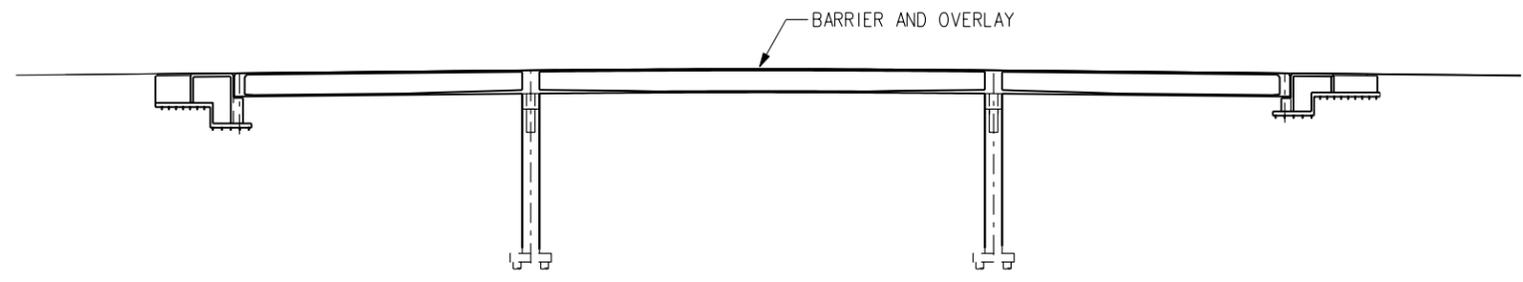


Design		Detail		Quantities	
Designed By	Checked By	Detailed By	Checked By	Quantities By	Checked By
INITIAL	DATE	INITIAL	DATE	INITIAL	DATE
Revision Dates		Revision Dates			
(Preliminary Stage Only)					

12/28/2004

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PHASE IX

1. CAST BARRIERS.
2. INSTALL ASPHALT AND CONCRETE OVERLAYS
3. INSTALL EXPANSION JOINTS.
4. CAST MEDIAN.

ERECTION NOTES

1. ABUTMENT SEGMENT IS 10'-6" LONG, PIER TABLE IS 25' LONG AND SYMMETRICAL ABOUT ϕ OF PIER AND TYPICAL SEGMENTS ARE 15' LONG AT ϕ BOX.
2. THE ERECTION METHOD CONSIDERED IN DESIGN AND SHOWN HERE IS BASED ON THE BALANCED CANTILEVER TECHNIQUE AND THE DETAILS AND PROCEDURES NOTED IN THESE CONSTRUCTION DOCUMENTS.
3. THE FOLLOWING ERECTION LIVE LOADS HAVE BEEN CONSIDERED IN THE DESIGN AT THE CANTILEVER STAGE OF CONSTRUCTION.
 - A) 10 PSF UNIFORM LIVE LOAD OVER ONE CANTILEVER AND 5 PSF OVER THE OPPOSITE SIDE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN OF ANY SPECIALIZED ERECTION EQUIPMENT AND COORDINATION OF CONSTRUCTION ACTIVITIES.
4. THE FORM TRAVELER WEIGHT HAS BEEN ASSUMED TO BE 200 KIPS WITH A CENTER OF GRAVITY OF 5' OUT FROM THE FRONT EDGE OF THE PREVIOUSLY CAST SEGMENT.
5. TWO FORM TRAVELERS HAVE BEEN ASSUMED IN THIS SEQUENCE.
6. SHOULD THE CONTRACTOR ELECT TO DEVIATE FROM ANY OF THE INDICATED ERECTION DETAILS, PROCEDURES OR LOADS, SUFFICIENT COMPUTATIONS VERIFYING THE INTEGRITY AND STABILITY OF THE STRUCTURE CONSIDERING THE CONSTRUCTION STAGES THROUGH THE LONG TERM SERVICE CONDITION SHALL BE PREPARED BY THE CONTRACTOR AND SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL, ACCORDING TO THE REQUIREMENTS OF THE SPECIAL PROVISIONS.
7. THE COST FOR ALL TEMPORARY SUPPORTS, TEMPORARY FALSEWORK AND SPECIALIZED ERECTION EQUIPMENT SHALL BE INCLUDED IN THE UNIT PRICE FOR THE CAST-IN-PLACE SUPERSTRUCTURE SEGMENTS.
8. CASTING CURVES SHALL BE DEVELOPED SO THAT THE FINISHED DECK ELEVATIONS MATCH THE PROPOSED PROFILE GRADE ELEVATION TAKING INTO ACCOUNT ALL PERMANENT LOADS AND LONG-TERM CREEP AND SHRINKAGE EFFECTS.

**PRELIMINARY
UNCHECKED**
FOR INFORMATION ONLY
NOT FOR CONSTRUCTION

Computer File Information				Sheet Revisions				Colorado Department of Transportation				As Constructed		MAROON CREEK BRIDGE ERECTION SCHEME (3 OF 3)				Project No./Code	
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