MISSOURI STATE HIGHWAY DEPARTMENT

BRIDGE OVER SADDLER BRANCH
STATE ROAD FROM CEDAR CO. LINE EAST TO ROUTE MM
ABOUT 7 1/4 MILES W. OF FLODINGTON
PROJECT NO. K.C. SH-5L - 340
POLK COUNTY

DETAILS OF INTERMEDIATE BENTS NO. 2 & 3

ELEVATION
SECTION AT C

PLAN

Note: This drawing is not to scale. Follow dimensions.
MISSOURI STATE HIGHWAY DEPARTMENT

Boring Data

Details of Flat Plate Bearings - Span (Estimated Weight: 105 #)

General Notes:
- Lead plates under bearings shall be approximately 4" thickness and weigh 8# per ft. Cost of lead plates shall be included in contract bid for other items.
- "Estimated Weight" does not include weight of anchor bolts.
- Where flat surfacing is indicated, tolerance shall be 0.01 in./ft in any direction.

Notes: Type C" Bearings
- Anchor bolts for Type C" Bearings shall be 1" swaged bolts, 10 long with no heads or nuts. Top of anchor bolts shall be set approximately 1/2 below top of bearing.

Notes: Flat Plate Bearings
- Flat plate bearing shall be fabricated structural carbon steel and straightened to plane surfaces.
- Anchor bolts shall be 1" swaged bolts, 10 long with no heads or nuts. Top of anchor bolts shall be set approximately 1/2" above top of bottom flange.
- Bottom flange of beam to have 1/2" holes of fixed end and 1/2 x 1/4" bolts of expansion end.

Note: Locate channel connectors with hooks over ends of spans.
GENERAL NOTES:
- All horizontal posts shall be set normal to grade.
- Aluminum fittings between top of parapet and post bases may be used for adjusting parapet alignment. Maximum thickness of spacers to be 1/8", more than 1/8" of clear space is required for proper alignment. Concrete bearing areas shall be ground down.
- Fitting holes for rod are to accept #4 bolts, nuts, washers, and set screws are to be of stainless steel material.
- The contract unit price per linear foot of handrail shall include furnishing and erecting the handrail complete with anchor bolts, fittings and Installing compound.
- All fittings & except as noted.
- All gratings, except as noted.
- Pipe rail to be fabricated in two or three panel lengths unless otherwise specified.
- Grate set screws are to be of stainless steel material.
- Cast iron and galvanized cast iron parapets shall have 6" of clear space at bottom.
- All exposed edges of end posts shall have 6" of clear space at bottom.
- Grate set screws are to be of stainless steel material.
- All fittings, including nuts, washers, and set screws shall be of stainless steel material.
- Integrate a 6" wide concrete curb and a 6" of clear space specified in ch. 5 sec. 5.4 and 5.5 respectively will not be required for these railings.

MISSOURI STATE HIGHWAY DEPARTMENT

SINGLE TUBE ALUMINUM RAILING

POST DETAILS

POST THROUGH HANDRAIL

FILLED JOINT DETAILS

SECTION NEAR CURB AND PARAPET

SECTION AT OUTLETS & EXP.

BRIDGE OVER SADDLER BRANCH

STATE ROAD FROM CEDAR CITY CO. LINE EAST TO ROUTE 54

ABOUT 3 MILES W OF FLEDDINGTON

PROJECT NO. RTE. 3N - SEC. 84.00 - STA. 50 + 72.0

POLK

COUNT

A-1878