



GENERAL NOTES

- DIMENSIONS ARE GIVEN IN MILLIMETRES UNLESS NOTED OTHERWISE .
- ALL CONCRETE SHALL BE CLASS 'D' .
- ALL REINFORCING STEEL SHALL BE GRADE 400, EPOXY COATED AND BE IN ACCORDANCE WITH C.S.A. STANDARD G30.12M "BILLET-STEEL FOR CONCRETE REINFORCEMENT" .
- REMOVE ALL LOOSE OR DAMAGED CONCRETE AND PREPARE THE DECK SURFACE BY THOROUGHLY SANDBLASTING. BLOW CLEAN AFTER COMPLETION .
- APPLY A BONDING AGENT TO THE EXISTING CONCRETE DECK IMMEDIATELY PRIOR TO PLACING THE OVERLAY. THE BONDING AGENT SHALL CONSIST OF EQUAL PARTS OF SAND AND CEMENT MIXED WITH WATER TO FORM A STIFF SLURRY. THE SLURRY SHOULD BE APPLIED WITH A STIFF BRUSH OR BROOM .
- CARE SHALL BE TAKEN TO ENSURE THAT THE LONGITUDINAL JOINT BETWEEN THE 1st. AND 2nd. STAGE POURS IS NOT DAMAGED DURING CONSTRUCTION BY TRAFFIC INDUCED DIFFERENTIAL MOVEMENTS. PRECAUTIONS WHICH WILL HELP REDUCE THE EFFECTS OF DIFFERENTIAL MOVEMENT ARE :
 - 1) ALWAYS LOCATE THE LONGITUDINAL JOINT ALONG THE CENTRELINE OF A GIRDER .
 - 2) POUR THE MAXIMUM PRACTICAL WIDTH OF DECK IN STAGE 1 AND TAKE AT LEAST TWO TEST CYLINDERS FROM EACH SPAN .
 - 3) MOIST CURE CONCRETE AND ALLOW STAGE 1 TO ATTAIN A COMPRESSIVE STRENGTH OF 25MPa BEFORE OPENING TO TRAFFIC .
 - 4) KEEP TRAFFIC ON STAGE 1 AT LEAST 500mm FROM THE LONGITUDINAL JOINT BETWEEN STAGES 1 AND 2 .
 - 5) POUR AND MOIST CURE STAGE 2 CONCRETE AND TAKE AT LEAST TWO TEST CYLINDERS FROM EACH SPAN. ALLOW STAGE 2 CONCRETE TO ATTAIN A COMPRESSIVE STRENGTH OF 25MPa BEFORE OPENING TO TRAFFIC .
- APPLY APPROVED CONCRETE SEALER AFTER CONCRETE IS CURED FOR A MINIMUM OF 28 DAYS .

NOTE:

- WHEN REQUIRED, TRAFFIC CONTROL WITH ADEQUATE SIGNS AND FLAGMEN MUST BE PROVIDED .
- THIS DRAWING SUPERSEDES THE DESIGN SKETCH TITLED "METHOD FOR PAVING SHORT PRECAST CONCRETE SPANS" .
- THIS OVERLAY SYSTEM IS INTENDED FOR USE ON BRIDGES COMPRISED OF UNCONNECTED PRECAST CONCRETE GIRDERS. GIRDERS TYPE 'A' AND 'G' ARE THE MOST COMMONLY ENCOUNTERED GIRDERS .

SUPERSEDED
 BY S-1492-91
 REV A
 (91-07-18)

SUPERSEDED

DESIGNED				DRAWN				DATE				CHECKED				DATE				BY				STREAM				LOCATION				HIGHWAY				FILE				SHEET				DRAWING			
C.T.C.				W.A.B.				90-05-14				[Signature]				90-05-23																								1 of 1				S-1492			

APPROVED
 [Signature]
 EXECUTIVE DIRECTOR
 BRIDGE ENGINEERING

DATE: May 24, 1990
Albarta TRANSPORTATION AND UTILITIES
 BRIDGE ENGINEERING BRANCH
 CONCRETE OVERLAY SYSTEM
 FOR PAVING SHORT SPAN
 PRECAST CONCRETE GIRDERS