NOTES
GENERAL NOTES:
1. This design has been generated for general site
   conditions. The project engineer shall be responsible
   for the structure’s suitability to the existing site
   conditions and for the hydraulic evaluation –
   including scour and confirmation of soil conditions
2. Prior to contractor, contractor must verify all
   elevations shown through the engineer.
3. Only CONSPAN® Bridge Solutions Inc.
   the CONSPAN® approved painter in Maryland
   may provide the structure designed in accordance with
   these plans.
4. The use of another prestressed structure with the design
   assumptions used for the CONSPAN® structure may
   lead to serious design errors. Use of any other
   prestressed structure with this design and drawings voids
   any certification of this design and warranty.
   CONSPAN® Bridge Solutions Inc. assumes no liability for
   design of any alternative or similar type structures.
5. Alternatives may be considered, provided that
   signed and sealed design drawings (not calculations)
   are submitted to the engineer 2 weeks prior to the
   bid date for review and approval.
6. Proposed alternatives to a CONSPAN® Bridge System
   must submit at least two (2) independently verified
   full scale load tests that confirm the proposed design
   methodology of the time studied structure(s).
   The proposed alternatives, upon satisfactory verification
   of design methodology, may be considered an acceptable
   alternate.

DESIGN DATA
Design Loading:
Bridge Only: HR-52.3-A4 + Maryland Legal Loads Type 3-A, Type 102
Winds: Earth Pressure Only
Earth Load Factor 1.0
Design FHWA: 2.0'-0" x 7'-4" max.
from top of crown to top of pavement
Design Method: Load factor per AASHTO Specifications
Net allowable soil bearing pressure: 4000 PSF
Gross allowable soil bearing pressure: 4500 PSF
*Foundation excavation and subgrade preparation shall be
   in accordance with the geotechnical report for this project
   prepared by Hoba-Comer dated 5/30/2002.

MATERIALS
Precast units shall be constructed and installed
in accordance with CONSPAN® Specifications.
Concrete for Footings shall have a minimum
compressive strength of 4000 psi. Reinforcing
steel for foundations shall conform to ASTM A615
or A616-Grade 60.

LOCATION PLAN

CONSPAN® Bridge Solutions Inc.
1070 Industrial Park Drive
Swedesboro, New Jersey 08085
704-548-8200
714-548-2000 fax
805-256-2899

Professional Certification: I hereby certify that these documents
were prepared or reviewed by me and that I am a duly licensed
professional engineer under the laws of the State of Maryland.
License No.: AE10147
Expiration Date: 12/31/10

CONTRIBUTED BY CONSPAN® BRIDGE SOLUTIONS INC.
SECTION

TYPICAL JOINT SEAL DETAIL

TYPICAL END ELEVATION

DETAIL

Note: Foundation Slope to be continuous through Wingwall Footings.