



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE
04333-0016

JOHN ELIAS BALDACCI
GOVERNOR

DAVID A. COLE
COMMISSIONER

March 24, 2009
Subject: **Message Signs, Statewide**
Federal Project No. ITS-1244(801)X
State Pin No.012448.01
Amendment No. 2

Dear Sir/Ms:

Make the following change to the Bid Document:

In the Bid Book, after page 57, **INSERT** the attached Dynamic Message Sign information sheets, 5 pages.

NOTE: The signs are available for inspection in Fairfield, Maine at the John Dority Maine Department of Transportation Training facility.

The following question has been received:

Question: Can you please provide some information regarding the DMS Signs provided by DOT? Specifically, to detail the support structures correctly, we need the unit sizes and weights, as well as anything else that may be required (catwalks, attachments details, etc.).

Response: Please see the above attachment and note.

Consider this information prior to submitting your bid on **April 1, 2009.**

Sincerely,

FOR

Scott Bickford
Contracts & Specifications Engineer



PRINTED ON RECYCLED PAPER

CALCULATION COVER SHEET

NGC STRUCTURAL, LLC 241 TOLEND ROAD DOVER, NH 03820	CLIENT: Highway Tech Signal Equipment Sales PROJECT: MDOT Dynamic Message Signs JOB NO.: 08-781
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DESCRIPTION:

Structural calculations for connections of dynamic message sign to support structure provided by MDOT. Scope of work does not include analysis of message sign, support structure or foundations.

INFORMATION SOURCES:

Adaptive Micro Systems, LLC of Milwaukee, WI. Drawing 15080301 DR
 Sign is 27 X 90 pixel arrangement

DESIGN CRITERIA:

Wind speed 100 mph
 Sign size is 89 inches X 253 inches
 Sign Weight without shipping brackets = 1450 lbs.
 Sign is to be supported by upper and lower head rails or horizontal aluminum (6061-T6) Wide Flange Sections.

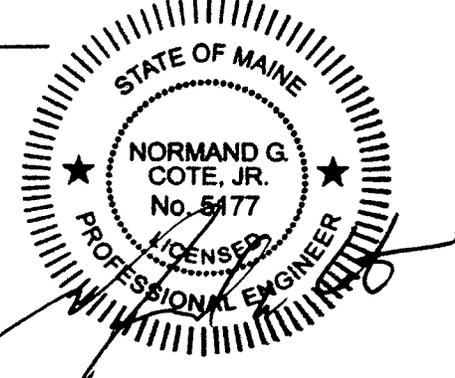
CODES AND STANDARDS:

AASHTO 2001 Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals with 2003 Interim Revisions

PRODUCT TECHNICAL SPECIFICATIONS:

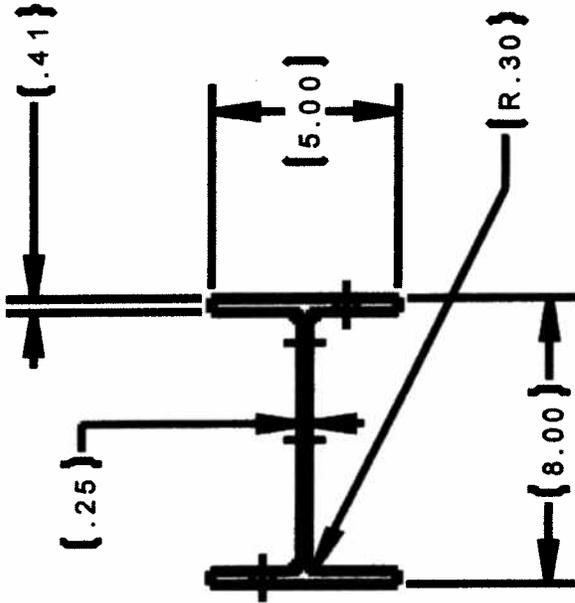
Provide a minimum of (8) 1/2 inch dia A316 Stainless Steel Bolts evenly distributed along top and bottom sign rails or as otherwise required by sign support geometry. **Sign support geometry and connection interface locations must be provided by Maine DOT for our review.**

Calculated By: <u>NG Cote</u>	Checked By: <u>NG Cote</u>
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SHOP DRAWING REVIEW HNTB CORPORATION	
Review is for general compliance with contract documents. Sole responsibility for correctness of dimensions, details, quantities and safety during fabrication and erection shall remain with the contractor.	
<input checked="" type="checkbox"/> No Exceptions Taken <i>TRC 8/26/08</i>	
<input type="checkbox"/> Make Corrections Noted By _____	
<input type="checkbox"/> Amend and Resubmit	
<input type="checkbox"/> Rejected - See Remarks Date _____	

AUG 11 2008

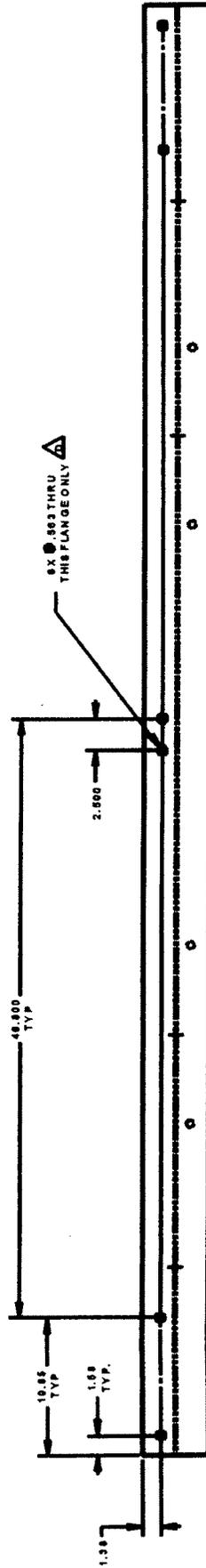
Re v.	Pages revised	Pages added	Pages deleted	by	date	Check	date	approved	date



1508030401		BEAM, FRAME, HORIZ TOP 36 COLUMN DISP	
PART NUMBER		DESCRIPTION	
DIMENSIONS ARE IN INCH AND TOLERANCES ARE AS FOLLOWS UNLESS OTHERWISE SPECIFIED			
.X	±0.1	DESIGNED BY	AA
.X X	±0.02	DATE	8/14/2006
.X X X	±0.008	DRAWN BY	SRL
ANGLES	±1°	DATE	8/17/2006
APPROVED BY	ECO	BY	SRL
DATE	8/31/2007	DATE	12/14/04
53" DIAMETER HOLES	11398	TM 3	8/31/2007
08030401 THRU 04	10489	SRL	08/28/04
CB 1508030401 THRU 04	10528	SRL	08/17/04
ION	-	SRL	08/17/04
TITLE		BEAM, FRAME, HORIZ TOP, W	
SIZE	DOCUMENT NO.	REVISION	
D	(SEE TABLE FOR P/N)	D	
SCALE:	1:6	STATUS:	Released
SHEET		1 of 6	



7840 North 96th Street
Milwaukee, WI 53224 USA



TOP/BOT HEAD RAIL

- NOTES:
- 1) MATERIAL: 6X5 (7.22 LB/FT) 6061-T6 ALUMINUM BEAM, ALUMINUM ASSOCIATION STANDARD.
 - 2) MATERIAL THICKNESS: SEE NOTE 1.
 - 3) DIMENSIONS: UNLESS OTHERWISE NOTED, DIMENSIONS SHALL BE IN INCHES.
 - 4) FINISH: DEBURRED. ALL DIMENSIONS UNLESS OTHERWISE NOTED.
 - 5) AS APPLICABLE TO THIS PART, THE FOLLOWING, BUT NOT NECESSARILY LIMITED, TO NAME MATERIAL INTEGRATED FACTORS, SURFACE FINISH, TOLERANCES, DIMENSIONS, AND OTHER REQUIREMENTS OF SURFACE COATING MUST COMPLY WITH THE REQUIREMENTS OF SURFACE COATING SYSTEMS DOCUMENT 8110241.
 - 6) DIMENSIONS OF THIS PART AS SPECIFIED IN ADD-THRU MICRO SYSTEMS DOCUMENT 8110241.
 - 7) REFERENCE SOLIDWORKS MODEL FILE CONFIGURATION FOR GEOMETRY NOT SHOWN IN DRAWING.

