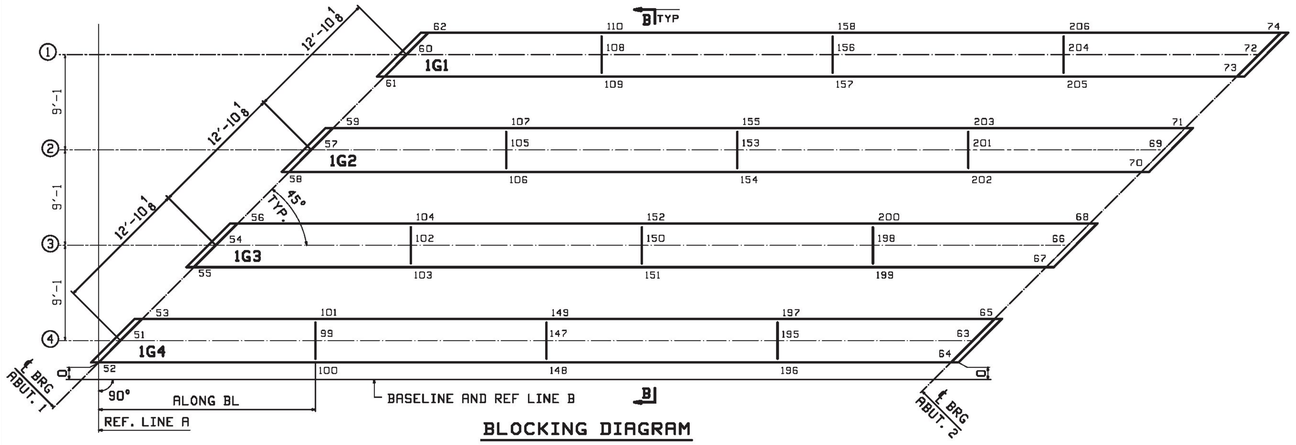
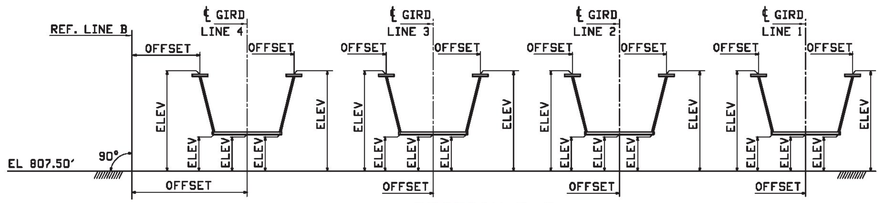


BLOCKING DIAGRAM



SECTION B-B

GIRDER LINE 1

FAR WEB TOP OF TOP FLG			
POINT	OFFSET	ALONG BL	ELEV
62	31'-5	31'-5	3'-4
110	31'-5	47'-10 7/8	3'-8 11/16
158	31'-5	69'-10 15/16	4'-0 7/8
206	31'-5	91'-10 15/16	4'-1 3/4
74	31'-5	112'-7	4'-0 5/16

NEAR WEB TOP OF TOP FLG			
POINT	OFFSET	ALONG BL	ELEV
61	27'-3	27'-3	3'-2 5/8
109	27'-3	47'-10 15/16	3'-8 11/16
157	27'-3	69'-10 15/16	4'-0 7/8
205	27'-3	91'-11	4'-1 3/4
73	27'-3	108'-5	4'-0 3/4

FAR WEB BTM OF BTM FLG			
POINT	OFFSET	ALONG BL	ELEV
362	30'-10	30'-10 5/16	10
410	30'-10	47'-11 1/2	1'-2 15/16
458	30'-10	69'-11 1/4	1'-7 1/8
506	30'-10	91'-10 7/8	1'-8
374	30'-10	111'-11 11/16	1'-6 5/8

NEAR WEB BTM OF BTM FLG			
POINT	OFFSET	ALONG BL	ELEV
361	27'-10	27'-10 5/16	9 1/16
409	27'-10	47'-11 1/2	1'-2 15/16
457	27'-10	69'-11 3/16	1'-7 1/8
505	27'-10	91'-10 7/8	1'-8
373	27'-10	108'-11 11/16	1'-6 15/16

CENTER @ BTM OF BTM FLG			
POINT	OFFSET	ALONG BL	ELEV
360	29'-4	29'-4 5/16	9 9/16
408	29'-4	47'-11 1/2	1'-2 15/16
456	29'-4	69'-11 3/16	1'-7 1/8
504	29'-4	91'-10 7/8	1'-8
372	29'-4	110'-5 11/16	1'-6 13/16

GIRDER LINE 2

FAR WEB TOP OF TOP FLG			
POINT	OFFSET	ALONG BL	ELEV
59	22'-4	22'-4	3'-4 7/16
107	22'-4	38'-9 7/8	3'-9 7/16
155	22'-4	60'-9 15/16	4'-1 15/16
203	22'-4	82'-9 15/16	4'-3 1/8
71	22'-4	103'-6	4'-2 1/16

NEAR WEB TOP OF TOP FLG			
POINT	OFFSET	ALONG BL	ELEV
58	18'-2	18'-2	3'-3
106	18'-2	38'-9 15/16	3'-9 7/16
154	18'-2	60'-9 15/16	4'-1 15/16
202	18'-2	82'-10	4'-3 1/8
70	18'-2	99'-4	4'-2 7/16

FAR WEB BTM OF BTM FLG			
POINT	OFFSET	ALONG BL	ELEV
359	21'-9	21'-9 5/16	10 1/2
407	21'-9	38'-10 9/16	1'-3 11/16
455	21'-9	60'-10 1/4	1'-8 3/16
503	21'-9	82'-9 15/16	1'-9 3/8
371	21'-9	102'-10 11/16	1'-8 3/8

NEAR WEB BTM OF BTM FLG			
POINT	OFFSET	ALONG BL	ELEV
358	18'-9	18'-9 5/16	9 1/2
406	18'-9	38'-10 9/16	1'-3 11/16
454	18'-9	60'-10 1/4	1'-8 3/16
502	18'-9	82'-9 15/16	1'-9 3/8
370	18'-9	99'-10 11/16	1'-8 5/8

CENTER @ BTM OF BTM FLG			
POINT	OFFSET	ALONG BL	ELEV
357	20'-3	20'-3 5/16	10
405	20'-3	38'-10 9/16	1'-3 11/16
453	20'-3	60'-10 1/4	1'-8 3/16
501	20'-3	82'-9 15/16	1'-9 3/8
369	20'-3	101'-4 11/16	1'-8 1/2

GIRDER LINE 3

FAR WEB TOP OF TOP FLG			
POINT	OFFSET	ALONG BL	ELEV
56	13'-3	13'-3	3'-3 15/16
104	13'-3	29'-8 7/8	3'-9 3/16
152	13'-3	51'-8 15/16	4'-2 1/16
200	13'-3	73'-8 15/16	4'-3 9/16
68	13'-3	94'-5	4'-2 13/16

NEAR WEB TOP OF TOP FLG			
POINT	OFFSET	ALONG BL	ELEV
55	9'-1	9'-1	3'-2 7/16
103	9'-1	29'-8 15/16	3'-9 3/16
151	9'-1	51'-8 15/16	4'-2 1/16
199	9'-1	73'-9	4'-3 9/16
67	9'-1	90'-3	4'-3 1/8

FAR WEB BTM OF BTM FLG			
POINT	OFFSET	ALONG BL	ELEV
356	12'-8	12'-8 5/16	10
404	12'-8	29'-9 5/8	1'-3 7/16
452	12'-8	51'-9 5/16	1'-8 5/16
500	12'-8	73'-9	1'-9 13/16
368	12'-8	93'-9 11/16	1'-9 1/8

NEAR WEB BTM OF BTM FLG			
POINT	OFFSET	ALONG BL	ELEV
355	9'-8	9'-8 5/16	8 15/16
403	9'-8	29'-9 9/16	1'-3 7/16
451	9'-8	51'-9 1/4	1'-8 5/16
499	9'-8	73'-8 15/16	1'-9 13/16
367	9'-8	90'-9 11/16	1'-9 5/16

CENTER @ BTM OF BTM FLG			
POINT	OFFSET	ALONG BL	ELEV
354	11'-2	11'-2 5/16	9 7/16
402	11'-2	29'-9 9/16	1'-3 7/16
450	11'-2	51'-9 1/4	1'-8 5/16
498	11'-2	73'-8 15/16	1'-9 13/16
366	11'-2	92'-3 11/16	1'-9 3/16

GIRDER LINE 4

FAR WEB TOP OF TOP FLG			
POINT	OFFSET	ALONG BL	ELEV
53	4'-2	4'-2	2'-11 13/16
101	4'-2	20'-7 7/8	3'-5 5/16
149	4'-2	42'-7 15/16	3'-10 1/2
197	4'-2	64'-7 15/16	4'-0 3/8
65	4'-2	85'-4	3'-11 7/8

NEAR WEB TOP OF TOP FLG			
POINT	OFFSET	ALONG BL	ELEV
52	0	0	2'-10 1/4
100	0	20'-7 15/16	3'-5 5/16
148	0	42'-7 15/16	3'-10 1/2
196	0	64'-8	4'-0 3/8
64	0	81'-2	4'-0 1/8

FAR WEB BTM OF BTM FLG			
POINT	OFFSET	ALONG BL	ELEV
353	3'-7	3'-7 5/16	5 13/16
401	3'-7	20'-8 5/8	11 9/16
449	3'-7	42'-8 5/16	1'-4 3/4
497	3'-7	64'-8	1'-6 5/8
365	3'-7	84'-8 11/16	1'-6 3/16

NEAR WEB BTM OF BTM FLG			
POINT	OFFSET	ALONG BL	ELEV
352	7	7 5/16	4 3/4
400	7	20'-8 5/8	11 9/16
448	7	42'-8 5/16	1'-4 3/4
496	7	64'-8	1'-6 5/8
364	7	81'-8 11/16	1'-6 3/8

CENTER @ BTM OF BTM FLG			
POINT	OFFSET	ALONG BL	ELEV
351	2'-1	2'-1 5/16	5 5/16
399	2'-1	20'-8 5/8	11 9/16
447	2'-1	42'-8 5/16	1'-4 3/4
495	2'-1	64'-8	1'-6 5/8
363	2'-1	83'-2 11/16	1'-6 1/4

SLOPING BOTTOM CHORDS				
	GIRDER	POINT	POINT	LENGTH
ABUT. 1 TO ABUT. 2	G1	360	372	81'-1 3/8
	G2	357	369	81'-1 3/8
	G3	354	366	81'-1 7/16
	G4	351	363	81'-1 7/16

SLOPING BOTTOM CHORDS				
	LOCATION	POINT	POINT	LENGTH
CROSS CHECK	ABUT. 1 G1 -> ABUT. 2 G4	360	363	60'-4 3/8
	ABUT. 1 G4 -> ABUT. 2 G1	351	372	111'-8 7/8

NOTES:
1) ALL DIMENSIONS ARE GIVEN RELATIVE TO A HORIZONTAL DATUM PLANE @ ELEVATION 807'-6.
2) ALL LONGITUDINAL EXTENSION DIMENSIONS (ALONG BL) ARE FROM REF. LINE "A".
3) ALL TRANSVERSE EXTENSION DIMENSIONS (OFFSET) ARE FROM REF. LINE "B".
4) ALL GIRDER ELEVATIONS (ELEV) ARE FROM THE TOP OF THE TOP FLANGE AT THE CENTERLINE OF WEB AND THE BOTTOM OF THE BOTTOM FLANGE AT THE CENTER OF THE BOX.
5) BRG/BRG CHORDS ARE TAKEN AT THE ℄ OF THE BTM FLG. (SLOPING)
6) SECTIONS SHOWN ARE TO ILLUSTRATE ELEVATION DIMENSIONS.
7) BOTTOM POINT NO'S ARE TOP NUMBERS +300.

Vermont Agency of Transportation
RECEIVED
CK'D BY TYLin OK'D BY TYLin
March 8, 2017
RESUBMIT No Approved
BY Kristin Higgins DATE 3/10/2017

T.Y. LIN INTERNATIONAL

THE STAMPED DOCUMENTS ARE HEREBY:

_X_ APPROVED
____ APPROVED AS NOTED
____ REVISE AND RESUBMIT

SEE TRANSMITTAL FOR ADDITIONAL INFORMATION AS APPLICABLE.

THIS REVIEW IS FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY. ANY DEVIATION FROM THE PLANS OR SPECIFICATIONS NOT CLEARLY NOTED BY THE CONTRACTOR HAS NOT BEEN REVIEWED. REVIEW BY THE ENGINEER SHALL NOT RELIEVE THE CONTRACTOR OF THE CONTRACTUAL RESPONSIBILITY FOR ANY ERRORS OR DEVIATION FROM THE CONTRACT REQUIREMENTS.

JOSH OLUND March 10, 2017
REVIEWER DATE

REV.	DATE	REMARKS	DWN	CHK	APVL	SHOP
0						

MATERIAL: | SURFACE PREP. & PAINT: | HOLES: | SHOP BOLTS:

DESCRIPTION: BLOCKING DIAGRAM

CASCO BAY STEEL STRUCTURES, INC.
1 WALLACE AVE. SOUTH PORTLAND, ME 04106
PHONE (207) 780-6722 FAX. (207) 780-6726
TENSOR 3435

STRUCTURE: VT ROUTE 110 OVER 1ST BRANCH WHITE RIVER BRIDGE NO. 9

DRAWN:	RRL	DATE:	01/03
CHKD:	WJL	DATE:	01/07/17
LOCATION:	TOWN OF CHELSEA, ORANGE COUNTY, VT.	JOB NO.	DWG NO.
PROJ NO.	BHF 0169(9)	696	BD1
CUSTOMER:	CPM CONSTRUCTORS		REV. △

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