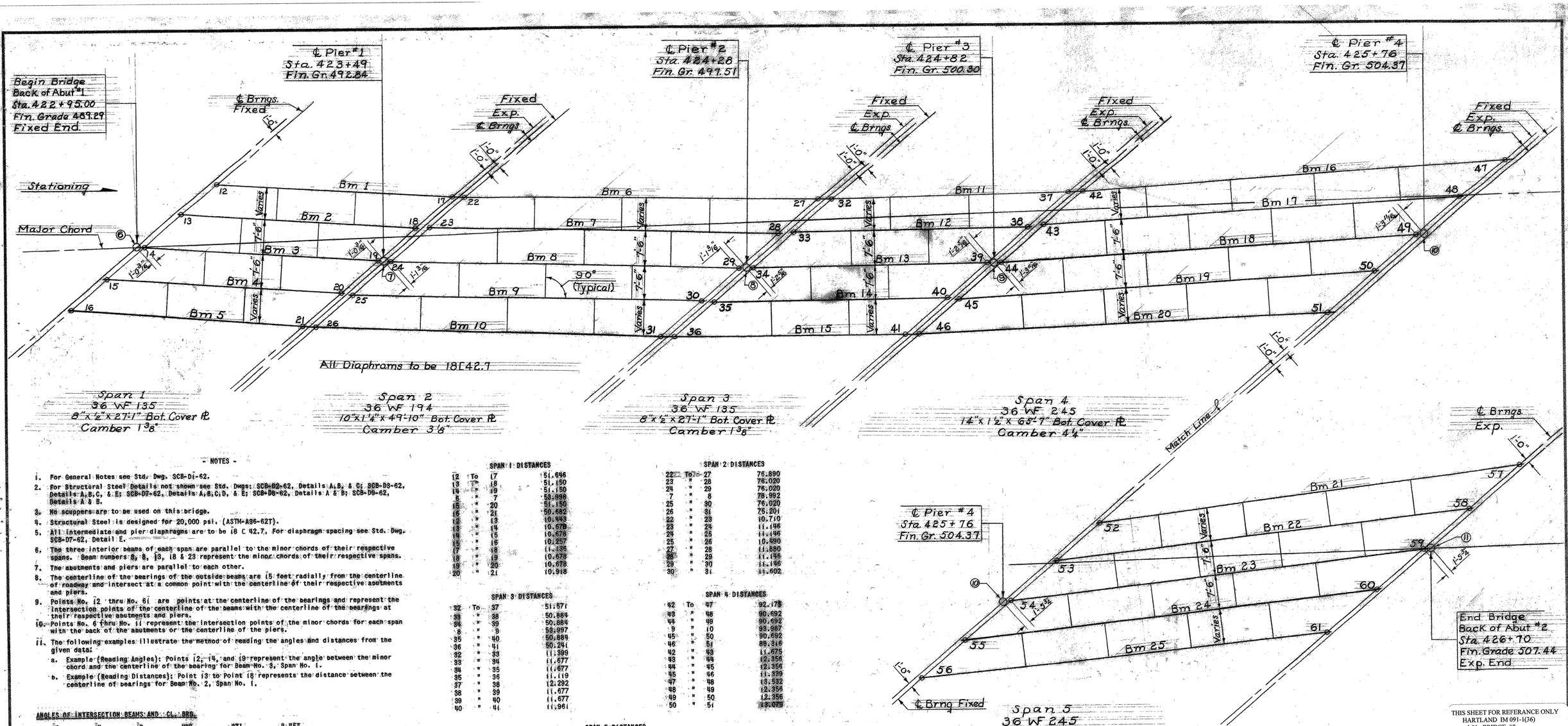

- NOTES -

1. For General Notes see Std. Dwg. SCB-D1-62.
2. For Structural Steel Details not shown see Std. Dwgs: SCB-D2-62, Details A,B, & C; SCB-D3-62, Details A,B,C, & E; SCB-D7-62, Details A,B,C,D, & E; SCB-D8-62, Details A & B; SCB-D9-62, Details A & B.
3. No scuppers are to be used on this bridge.
4. Structural Steel is designed for 20,000 psi. (ASTM-A36-62T).
5. All intermediate and pier diaphragms are to be I8 C 42.7. For diaphragm spacing see Std. Dwg. SCB-D7-62, Detail E.
6. The three interior beams of each span are parallel to the minor chords of their respective spans. Beam numbers 8, 8, 13, 18 & 23 represent the minor chords of their respective spans.
7. The abutments and piers are parallel to each other.
8. The centerline of the bearings of the outside beams are 15 feet radially from the centerline of roadway and intersect at a common point with the centerline of their respective abutments and piers.
9. Points No. 12 thru No. 61 are points at the centerline of the bearings and represent the intersection points of the centerline of the beams with the centerline of the bearings at their respective abutments and piers.
10. Points No. 6 thru No. 11 represent the intersection points of the minor chords for each span with the back of the abutments or the centerline of the piers.
11. The following examples illustrate the method of reading the angles and distances from the given data:
    a. Example (Reading Angles): Points 12, 14, and 19 represent the angle between the minor chord and the centerline of the bearing for Beam No. 8, Span No. 1.
    b. Example (Reading Distances): Point 13 to Point 18 represents the distance between the centerline of bearings for Beam No. 2, Span No. 1.

ANGLES OF INTERSECTION: BEAMS AND ℄ BRG.

12	14	19	44°	—	37'	—	4.45"
14	16	21	45°	—	8'	—	37.22"
19	17	12	44°	—	4'	—	42.01"
22	24	29	42°	—	17'	—	28.45"
24	26	31	42°	—	54'	—	41.13"
29	27	22	41°	—	42'	—	12.73"
32	34	39	39°	—	57'	—	48.28"
34	36	41	40°	—	34'	—	50.06"
39	37	32	39°	—	19'	—	35.50"
42	44	49	37°	—	22'	—	26.99"
44	46	51	38°	—	8'	—	1.12"
49	47	42	36°	—	40'	—	23.81"
52	54	59	36°	—	5'	—	0.02"
54	56	61	34°	—	50'	—	48.26"
59	57	52	33°	—	17'	—	23.52"

SPAN 1 DISTANCES

12	To	17	51.646
13	"	18	51.150
14	"	19	51.150
6	"	7	58.999
15	"	20	51.150
16	"	21	50.682
12	"	13	10.443
13	"	14	10.679
14	"	15	10.678
15	"	16	10.257
17	"	18	11.135
18	"	19	10.678
19	"	20	10.678
20	"	21	10.918

SPAN 2 DISTANCES

22	To	27	76.890
23	"	28	76.020
24	"	29	76.020
7	"	8	78.992
25	"	30	76.020
26	"	31	75.201
22	"	23	10.710
23	"	24	11.196
24	"	25	11.196
25	"	26	10.890
27	"	28	11.880
28	"	29	11.196
29	"	30	11.196
30	"	31	11.602

SPAN 3 DISTANCES

32	To	37	51.571
33	"	38	50.884
34	"	39	50.884
8	"	9	58.997
35	"	40	50.884
36	"	41	50.241
32	"	33	11.399
33	"	34	11.677
34	"	35	11.677
35	"	36	11.119
37	"	38	12.292
38	"	39	11.677
39	"	40	11.677
40	"	41	11.961

SPAN 4 DISTANCES

42	To	47	92.175
43	"	48	90.692
44	"	49	90.692
9	"	10	93.987
45	"	50	90.692
46	"	51	89.318
42	"	43	11.675
43	"	44	12.356
44	"	45	12.356
45	"	46	11.339
47	"	48	13.532
48	"	49	12.356
49	"	50	12.356
50	"	51	13.079

SPAN 5 DISTANCES

52	To	57	92.316
53	"	58	90.418
54	"	59	90.418
10	"	11	93.987
55	"	60	90.418
56	"	61	88.681
52	"	53	12.583
53	"	54	13.383
54	"	55	13.383
55	"	56	12.125
57	"	58	14.664
58	"	59	13.383
59	"	60	13.383
60	"	61	14.232

* Roadway Quantities

Estimated Superstructure Quantities

	Item No.	Item	Unit	Total	Final
*	318	Tar Emulsion for Bridge Floors	Gal.	500	
*	361-B	Bituminous Conc. Pavement (Mod).	TON	122	
*	372-A	Joint Sealer Hot-Poured	L.F.	160	
	372-C	Joint Sealer-Pre Formed Type A	L.F.	150	
	401-AA	Concrete Class AA (Mod.)	C.Y.	414	
	402	Reinforcing Steel	LB.	98,170	
	403	Spiral Reinforcement (10 380#)	L.S.	1	
	404-A	Structural Steel	LB.	503806	
	556-C	Granite Bridge Curb (Mod.)	L.F.	755	
	572	Bridge Railing	L.F.	830	
	440	Water Repellent	Gal.	41½	
	372-C	Joint Sealer-Preformed Type B	L.F.	80	

THIS SHEET FOR REFERANCE ONLY
HARTLAND IM 091-1(36)
I-91 BRIDGE 38

SHEET 51 OF 85

Stage I Construction

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF Hartland-Hartford
ROUTE NO. I91 LOG STA.
Framing Plan

SCALE 1"=10'-0"
SURVEYED BY
DRAWN BY JJC+F.W.B CHECKED BY L.E.S.
PROJECT NO. I91-1(22) Cont 2
SHEET 48 OF 220

BR-106