INDEX OF SHEETS

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROPOSED IMPROVEMENT

BRIDGE PROJECT
TOWN OF NEWBURY
COUNTY OF ORANGE
ROUTE NO. CL. 3 TH #50 BRIDGE NO. 16

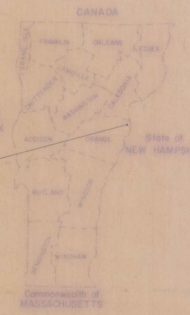
PROJECT LOCATION: Newbury TH #50 over Halls Brook beginning at a point 40 ft North of the intersection of T.H. #1 and TH #50 and extending northerly 165 feet.

PROJECT DESCRIPTION: The project shall consist of removal of existing superstructure, capping of stone abutments, construction of wingwalls and new prestressed concrete voided slabs and necessary roadway and channel work.

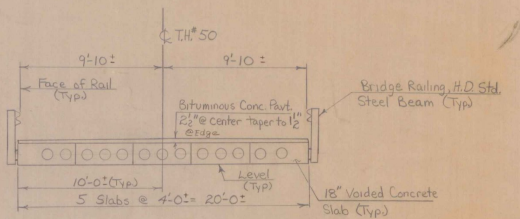
LENGTH OF STRUCTURE:	42	FEET
LENGTH OF PARTICIPATION ROADWAY:	123	FEET
LENGTH OF NON-PARTICIPATION ROADWAY:	0	FEET
LENGTH OF PROJECT:	165	FEET

GENERAL NOTES:

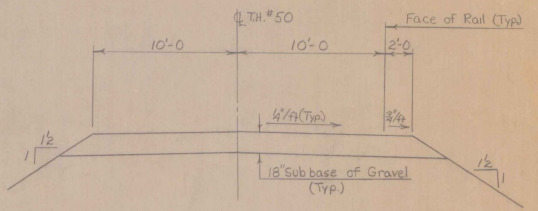
1. See SCB-D1-75 for additional General Notes.
2. Existing superstructure (Bailey Bridge) shall be removed, disassembled, and loaded onto State of Vermont trucks at the project site. District Engineer (District 7) shall be notified seven (7) days prior to the removal of the superstructure.
3. Water repellent shall be applied to all exposed surfaces of new concrete on abutments and fascia and bottom of scab to drip notch on new deck



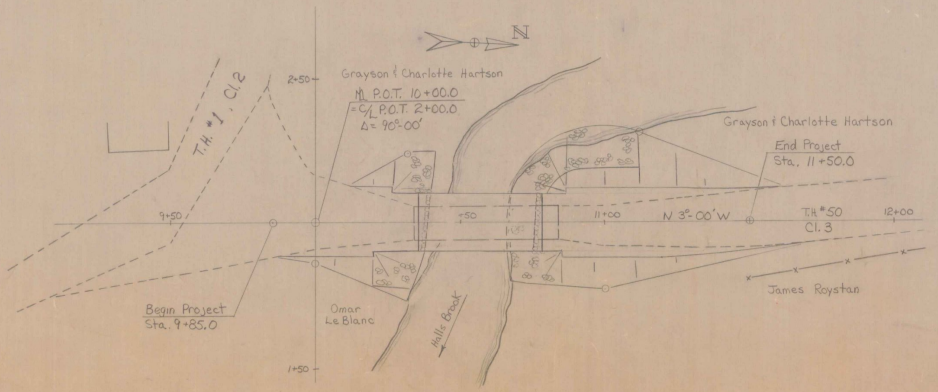
LOCATION MAP
(TRACED FROM COUNTY MAP)



TYPICAL BRIDGE SECTION
Scale: 4" = 1'-0



TYPICAL ROADWAY SECTION
Scale: 4" = 1'-0



PLAN

CONVENTIONAL SIGNS

COUNTY LINE
TOWN LINE
LIMITS OF ACCESS
POINT OF ACCESS
FENCE LINE
STONE WALL
TRAVELED WAY
GUARD RAIL
RAILROAD
SURVEY LINE
CULVERT
POWER POLE
TELEPHONE POLE
TREES
F.A. CONST. IDENTIFICATION SIGNS
PROPERTY LINE
R.O.W. TAKING LINE
SLOPE RIGHTS
TOP OF CUT
TOE OF SLOPE

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD
APPROVED E R Stickney DATE 1/21/76
STATE HIGHWAY ENGINEER

Newbury TH 3606
TOWN ROUTE NO.
13
SHEETS

EARTHWORK

V.C.	% GRD	STATION	ELEVATION ON TAN.	ELEVATION ON V.C.	CORR. V.C.	DIST.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.
		9+50	504.83											
		10+0	505.58											
		10+36.10	506.12											
	1.5%	10+50												
		10+78.10	506.75											
		11+0	507.08											
		11+50	507.83											

BRIDGE QUANTITY SHEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
BRIDGE DIVISION

NO.	ITEM	UNIT	QUANTITY BREAKDOWN ABUT. 1 + 2	SUPER-STRUCTURE	ROADWAY	TOTAL	FINAL
202.20	REMOVAL OF EXISTING SUPERSTRUCTURE	EA		1		1	
203.15	COMMON EXCAVATION	C.Y.			200	200	
203.27	UNCLASSIFIED CHANNEL EXCAVATION	C.Y.	120			120	
203.38	GRANULAR BACKFILL FOR STRUCTURES (CST)	C.Y.			100	100	
204.25	STRUCTURE EXCAVATION	C.Y.	120			120	
301.15	SUBBASE OF GRAVEL	C.Y.			150	150	
406.25	BITUMINOUS CONC. PAVEMENT	TON		12		12	
501.25	CONCRETE CLASS B	C.Y.	30			30	
507.15	REINFORCING STEEL	LB	3290			3290	
510.20	PRESTRESSED CONCRETE MEMBERS (18" x 1'-0" x 42'-0" VOIDED SLABS)	EA		5		5	
514.10	WATER REPELLENT	GAL	3	2		5	
602.30	REPOINTING MASONRY (CST)	S.Y.	20			20	
613.11	STONE FILL, TYPE II	C.Y.	150			150	
617.35	BRIDGE RAILING H.D. STEEL BEAM	L.F.		129		129	
621.25	GUARD RAIL H.D. STEEL BEAM WITH STEEL POSTS TYPE I	L.F.			181	181	

BRIDGE (S) AT STATION (S) 10+37
LOCATION (S) TH #50, CLASS 3, OVER HALL'S BROOK

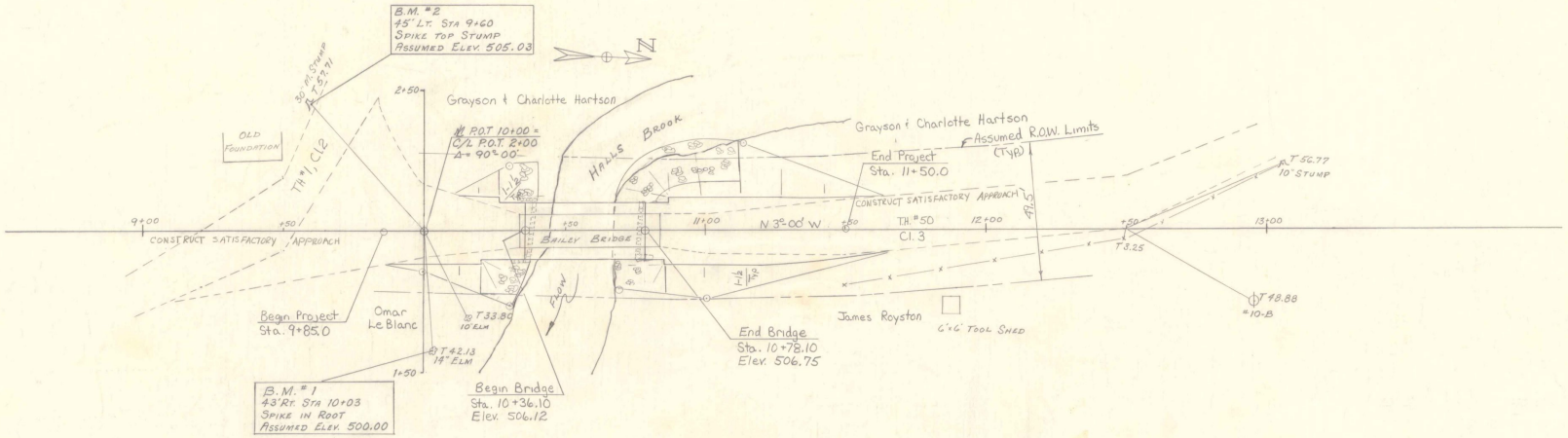
Prepared by: S. ACHILLES
Checked by: J.R. Guilmette
SUPERVISOR: W. Tripp

NEWBURY
BR ___ OF ___

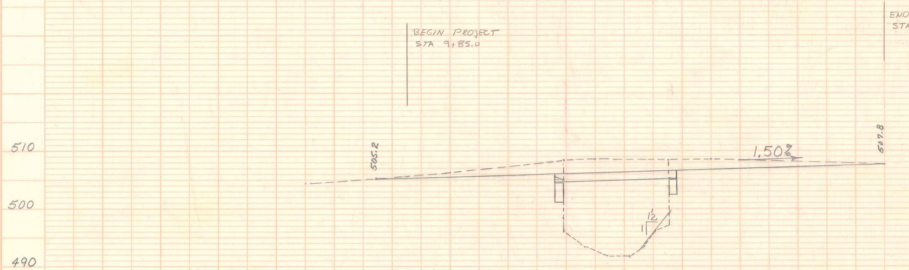
PROJECT NO. TH 3606
SHEET NO. 2 OF 13

BR-1

Guard Rail, Heavy Duty Steel Beam w Steel Posts, TypeI
Rt. 10+00 - 10+20.5 10+89.5 - 11+15.5
Lt. 10+06 - 10+26 10+86 - 11+57
Bridge Railing, Heavy Duty Steel Beam
Rt. 10+20.5 - 10+84.5
Lt. 10+26 - 10+86



PLAN
Scale: 1"=20'

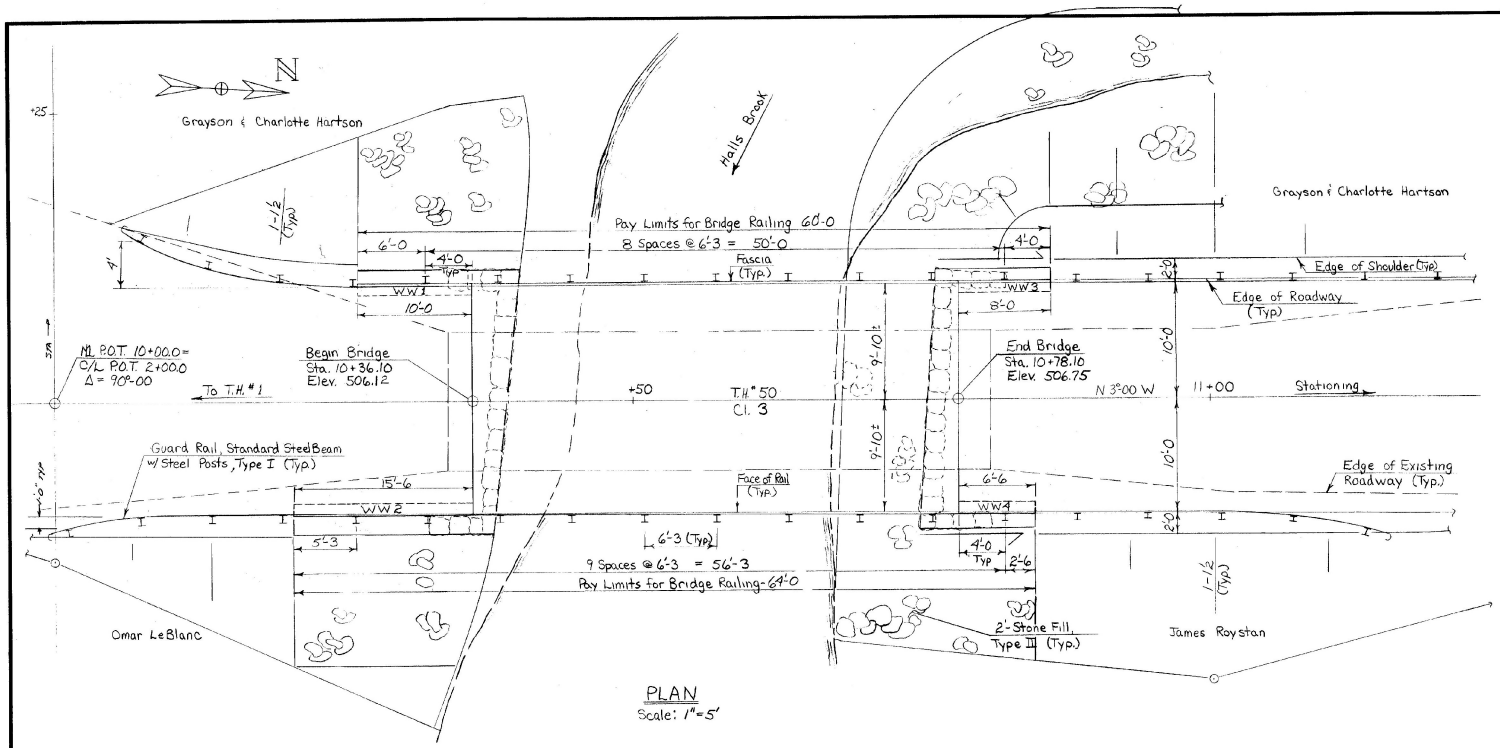


PROFILE

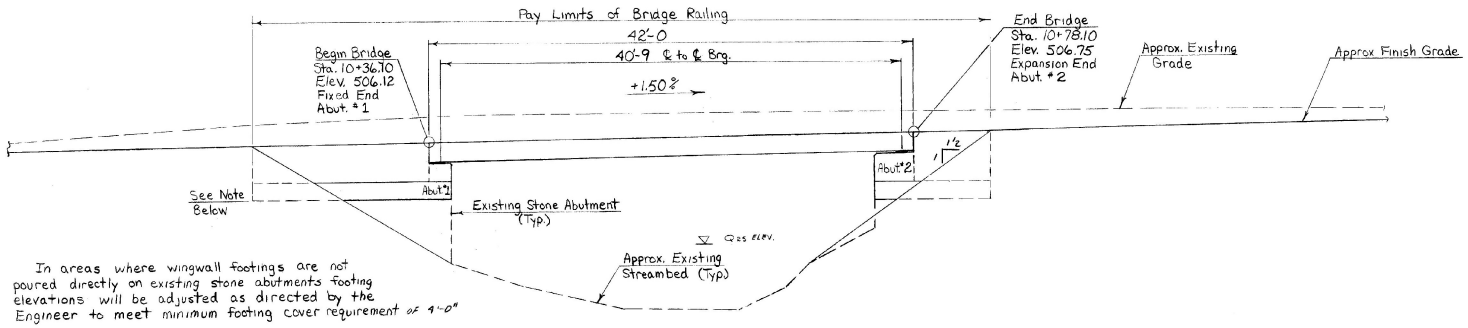
504.2 506.2 508.4 508.4 508.5 508.6 507.8
9 +50 10 +39.13 +50 +75.45 11 +50 12

NEWBURY
TH 3606
TH 50, B16 over HALLS BROOK

Scale:
1" = 20' HORIZONTAL
1" = 10' VERTICAL



PLAN
Scale: 1" = 5'



In areas where wingwall footings are not poured directly on existing stone abutments footing elevations will be adjusted as directed by the Engineer to meet minimum footing cover requirement of 4'-0"

ELEVATION @ FASCIA
Scale: 1" = 5'

HYDRAULIC DATA

DRAINAGE AREA = 23.5 SQ MI.

Q_{10} = 1500 CFS	H.W. ELEV. = 496.8
Q_{25} = 2200 CFS	H.W. ELEV. = 498.5
Q_{50} = 3000 CFS	H.W. ELEV = 500.8
Q_{100} = 3700 CFS	H.W. ELEV 502.2

Tailwater elevation @ Q_{25} = 497.0
Outlet velocity @ Q_{25} = 12.1 fps

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF NEWBURY	Bridge No. 16
	Log Sta.
HIGHWAY NO. T.H. # 50, Class 3	Surv. Sta. 10+57
Town Highway # 50 over Halls Brook	
PLAN & ELEVATION	
Designed by J.R. Guilmette	Drawn by J.R. Guilmette
Checked by S. ACHILLES date 12/75	Bridge Design Supervisor W. Tripp date 12/75
PROJECT NEWBURY	PROJECT NO. TH 3606
Bridge Sheet No.	Sheet 4 of 13

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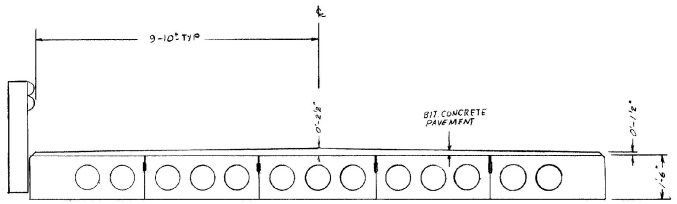
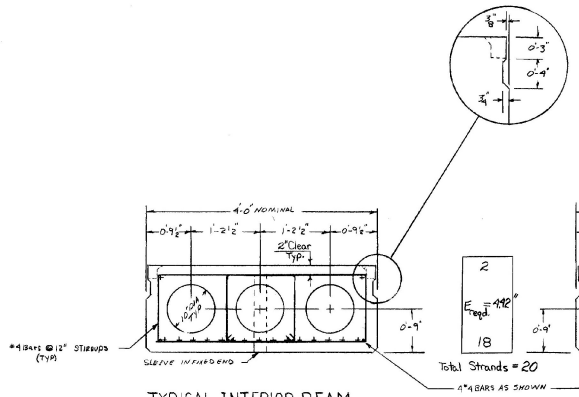


TYPICAL DECK SECTION

SCALE 1/2" = 1'



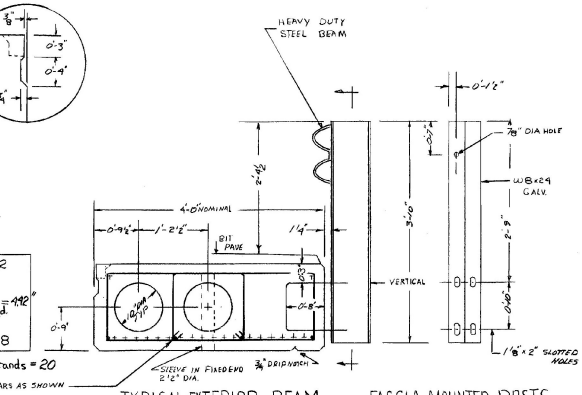
TYPICAL INTERIOR BEAM

SCALE 1"=1'

AASHO S III 98 SECTION

PROVIDE FOR ADEQUATE VENTING OF VOIDS

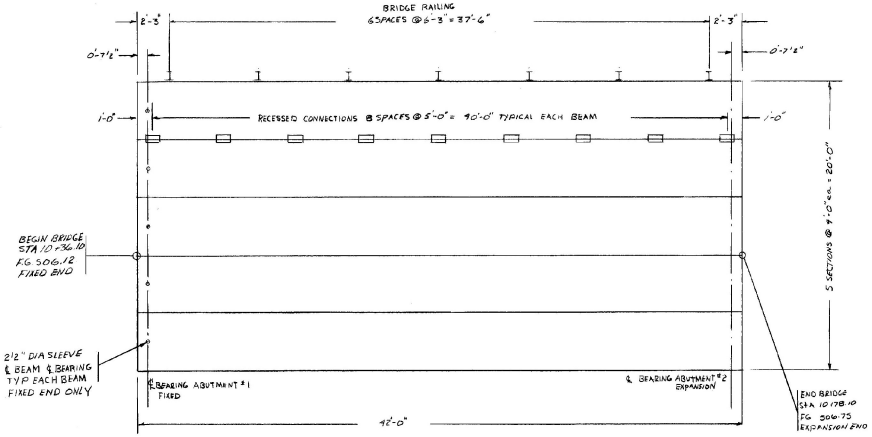
DESIGN DATA LL+I MOMENT = 143.9 K-FT
LL+I REACTION = 16.1 KIPS
SDL MOMENT = 25.0 K-FT



TYPICAL EXTERIOR BEAM WITH FASCIA MOUNTED POSTS

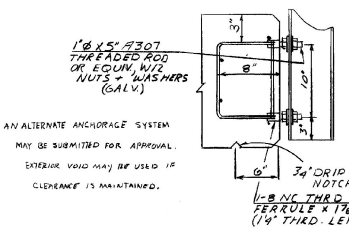
SCALE 1" = 1'

DESIGN DATA LL+I MOMENT = 143.9 K-FT
LL+I REACTION = 16.1 Kips
S.D.L. MOMENT = 25.0 K-FT



PLAN

SCALE 1/4" = 1'

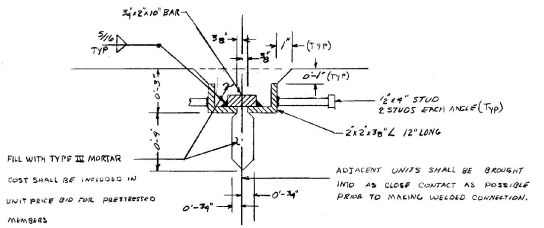


AN ALTERNATE ANCHORAGE SYSTEM MAY BE SUBMITTED FOR APPROVAL. EXTERIOR VOID MAY BE USED IF CLEARANCE IS MAINTAINED.

PRESET GALVANIZED ANCHOR
MINIMUM STRENGTH REQUIREMENTS:
40,000 # TENSION ON 2 BOLTS
40,000 # SHEAR ON 4 BOLTS

ANCHORAGE FOR FASCIA MOUNTED POSTS

NTS



AN ALTERNATE ANCHORAGE SYSTEM MAY BE SUBMITTED FOR APPROVAL.

SECTION RECESSED CONNECTION

SCALE 3" = 1'

PRESTRESSED BEAM DATA

MINIMUM CONCRETE STRENGTH 5000 PSI
CONCRETE STRENGTH @ STRESS TRANSFER 4000 PSI
OVERALL LENGTH 42'-0"
SQUARE ENDS
THE FABRICATOR MAY, AT HIS OPTION, ALTER THIS SUGGESTED DESIGN TO MEET HIS PRESTRESSING OPERATION AND MATERIAL AVAILABILITY. ALL DESIGN COMPUTATIONS MUST BE FURNISHED TO THE DEPARTMENT IN ACCORDANCE WITH ITEM 512.20, PRESTRESSED CONCRETE MEMBERS.

NOTES

1. FOR GENERAL NOTES SEE SHEET 1.
2. THE STRAND SYSTEM SHOWN IS DETAILED FOR ½" SEVEN WIRE UNCOATED STRESS RELIEVED HIGH STRENGTH STRANDS CONFORMING TO 270 K SPECIFICATIONS. INITIAL TENSION 28,935# PER STRAND. FINAL TENSION 22,280# PER STRAND.
3. ENDS OF STRANDS SHALL BE RECESSED AND GROUTED AS PER STANDARD PRACTICE.
4. THE TOPS OF PRESTRESSED BEAMS SHALL BE SCREED FINISHED.
5. REINFORCING STEEL IN PRESTRESSED UNITS SHALL BE GRADE 40.
6. ½" x 6" x 1'-0" BEARING PADS SHALL MEET REQUIREMENTS FOR ITEM 731.01 OR 731.02
7. THE COST OF PREFORMED JOINT FILLER, CORK, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONCRETE CLASS B.

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF NEWBURY	Bridge No. 16
	Log Sta.
HIGHWAY NO. TH 50 CLASS 3	Surv. Sta. 10+57
TOWN HIGHWAY #50 OVER HALLS BROOK	
SUPERSTRUCTURE DETAILS	
Designed by S. ACHILLES	Drawn by S. ACHILLES
Checked by J.R. Guilmette date 12/75	Bridge Design Supervisor W. Tripp date 12/75
PROJECT NEWBURY	PROJECT NO. TH 3606
Bridge Sheet No.	Sheet 5 of 13

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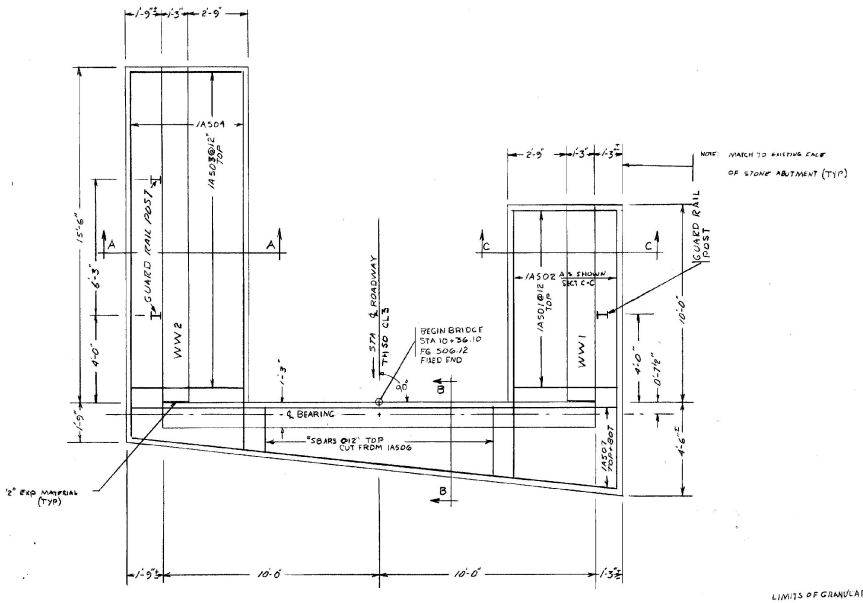
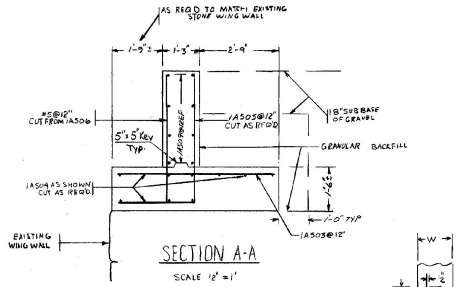


ABUT #1 PLAN

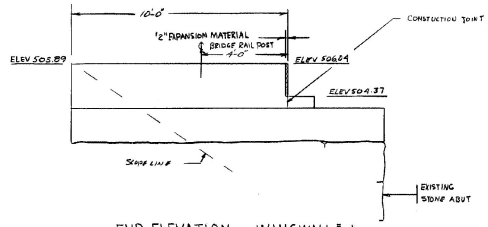
SCALE 3/8" = 1'



SECTION A-A

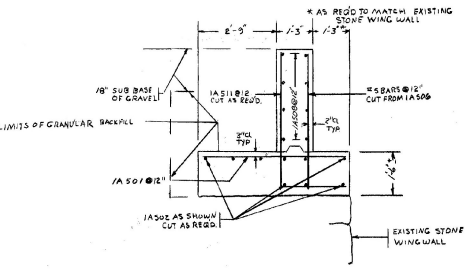
SCALE 1/2" = 1'

Typical Construction Joint Detail



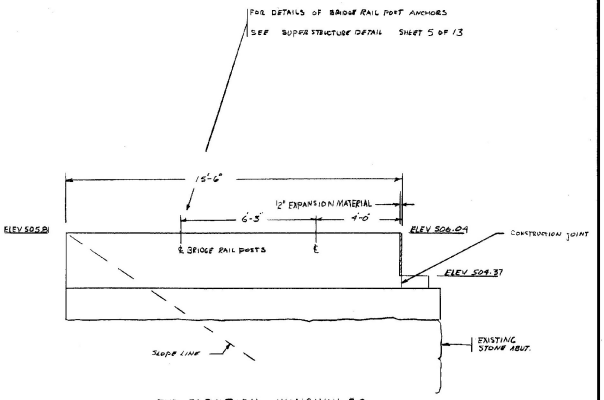
END ELEVATION WINGWALL # 1

NTS



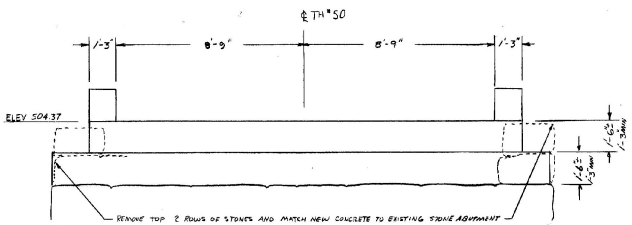
SECTION C-C

SCALE 1/2" = 1'



END ELEVATION WINGWALL # 2

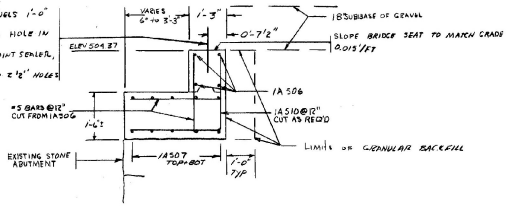
NTS



ABUT #1 ELEVATION

SCALE 3/8" = 1'

DRILL AND GROUT 1A501 DOWELS 1'-0" INTO ABUT @ 4'-0" C-C FILL HOLE IN PRESTRESSED BEAM WITH JOINT SEALER, HOT POURED (CENTER BARS IN 2 1/2" HOLES IN PRECAST SECTIONS.



SECTION B-B

SCALE 1/2" = 1'

SEE SH. 7 FOR ABUT. NOTES

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF NEWBURY	Bridge No. 16
HIGHWAY NO. TH 50 CL 3	Log Sta.
	Surv. Sta. 10+37
TOWN HIGHWAY # 50 OVER HALLS BROOK	
ABUTMENT # 1 DETAILS	
Designed by S. ACHILLES	S. ACHILLES
Checked by J.R. Guilmette date 12/75	Bridge Design Supervisor W. TRIPP date
PROJECT NEWBURY	PROJECT NO. TH 3606
Bridge Sheet No.	Sheet 6 of 13

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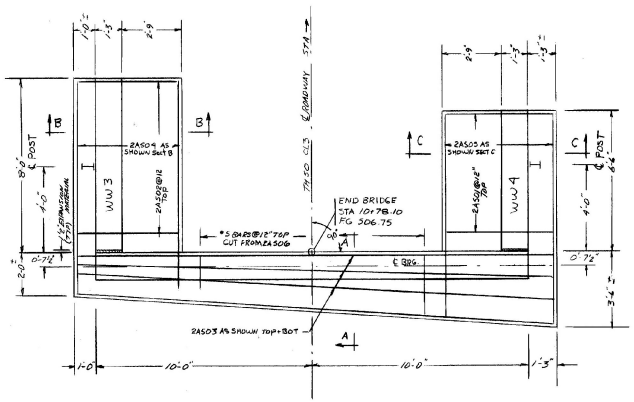
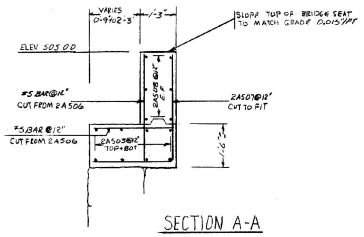


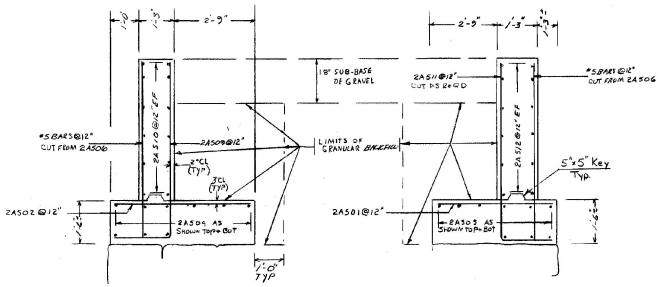
ABUT #2 PLAN

SCALE 3/8" = 1'



SECTION A-A

SCALE 1/2" = 1'

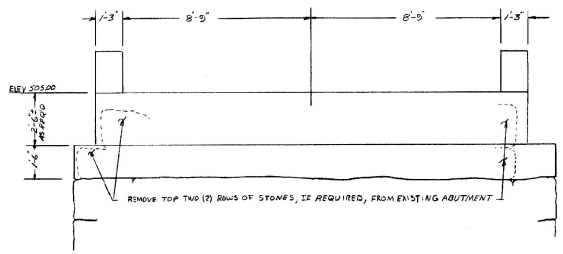


SECTION B-B

SCALE 1/2" = 1'

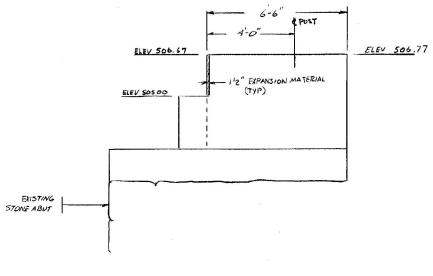
SECTION C-C

SCALE 1/2" = 1'



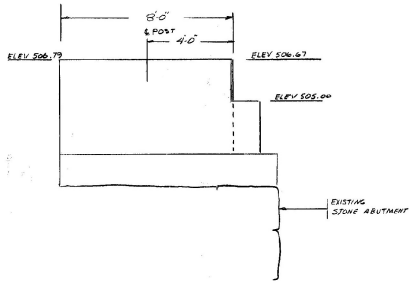
ABUT #2 ELEVATION

SCALE 3/8" = 1'



END ELEVATION WING WALL #4

SCALE 3/8" = 1'



END ELEVATION WINGWALL #3

SCALE 3/8" = 1'

ABUT 1 & 2 NOTES

1. MINIMUM COVER FOR REINFORCING STEEL SHALL BE 2" CLEAR EXCEPT IN FOOTING WHERE IT SHALL BE 3" CLEAR.
2. ABUTMENT FOOTINGS ARE DESIGNED FOR A MAXIMUM SOIL PRESSURE OF 2 TONS/SQ FT.
3. WING WALL TO BE PLACED AFTER PRESTRESSED UNITS ARE SET IN PLACE.
4. TOP SURFACES OF EXISTING ABUTMENT SHALL BE CLEANED AS DIRECTED BY ENGINEER BEFORE CONCRETE IS POURED.

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF NEWBURY	Bridge No. 16
	Log Sta.
HIGHWAY NO TH 50 CL3	Surv. Sta. 10+57
TOWN HIGHWAY #50 OVER HALLS BROOK	
ABUTMENT #2 DETAILS	
Designed by S. ACHILLES	Drawn by S. ACHILLES
Checked by J.R. Guilmette date 12/75	Bridge Design Supervisor W. TRIPP date
PROJECT NEWBURY	PROJECT NO. TH 3606
Bridge Sheet No.	Sheet 7 of 13

BR-9

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
1																	
2																	
3				ABUTMENT # 1													
4																	
5	10	5	4-9	1A501	STR												
6	9	5	14-0	1A502	STR												
7	16	5	5-3	1A503	STR												
8	9	5	17-6	1A504	STR												
9	25	5	20-0	1A506	STR		CUT AS REQ'D IN FIELD										
10	10	5	22-6	1A507	STR												
11	10	5	9-7	1A508	STR												
12	10	5	15-1	1A509	STR												
13																	
14	16	5	7-3	1A505	17		2-6	9-9									
15	21	5	7-9	1A510	17		3-9	4-0									
16	10	5	6-9	1A511	17		2-0	9-9									
17																	
18	5	8	2-6	1AB01	STR												
19																	
20																	
21				ABUTMENT # 2													
22																	
23	7	5	9-9	2A501	STR												
24	9	5	9-6	2A502	STR												
25	8	5	21-9	2A503	STR												
26	9	5	10-0	2A504	STR												
27	9	5	9-6	2A505	STR												
28	15	5	20-0	2A506	STR		CUT AS REQ'D IN FIELD										
29	6	5	19-8	2A508	STR												
30	14	5	7-5	2A510	STR												
31	14	5	8-11	2A512	STR												
32																	
33	21	5	7-9	2A507	17		4-9	3-0									
34	9	5	8-9	2A509	17		6-6	1-10									
35	8	5	8-6	2A511	17		6-6	2-0									
36																	
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80																	

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
81																	
82																	
83																	
84																	
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ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
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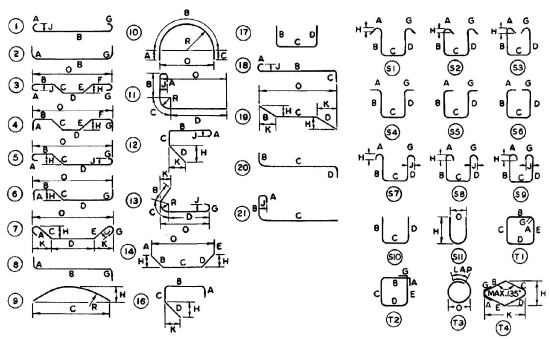
ASTM STANDARD REINFORCING BARS

BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER INCHES	CROSS SECTIONAL AREA SQ. INCHES	PERIMETER INCHES
#3	.376	.375	.11	1.178
#4	.668	.500	.20	1.571
#5	1.043	.625	.31	1.963
#6	1.502	.750	.44	2.356
#7	2.044	.875	.60	2.749
#8	2.670	1.000	.79	3.142
#9	3.400	1.128	1.00	3.544
#10	4.303	1.270	1.27	3.990
#11	5.313	1.410	1.56	4.430
#14	7.65	1.693	2.25	5.32
#18	13.60	2.257	4.00	7.09

TYPICAL BAR BENDS



NOTES

1. UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING NO. 18 SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT," AASHTO M 31 (ASTM A 615), GRADE 60.
2. FOR TYPICAL BENDING DETAILS, RECOMMENDED PIN DIAMETER "D" OF BENDS AND HOOKS AND OTHER STANDARD PRACTICE SEE CURRENT CONCRETE REINFORCING STEEL INSTITUTE "MANUAL OF STANDARD PRACTICE."
3. BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
4. ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180° AND 135° HOOKS.
5. "J" DIMENSION ON 180° HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE, OTHERWISE STANDARD HOOKS ARE TO BE USED.
6. "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
7. WHERE SLOPE DIFFERS FROM 45° DIMENSIONS "H" AND "K" MUST BE SHOWN.

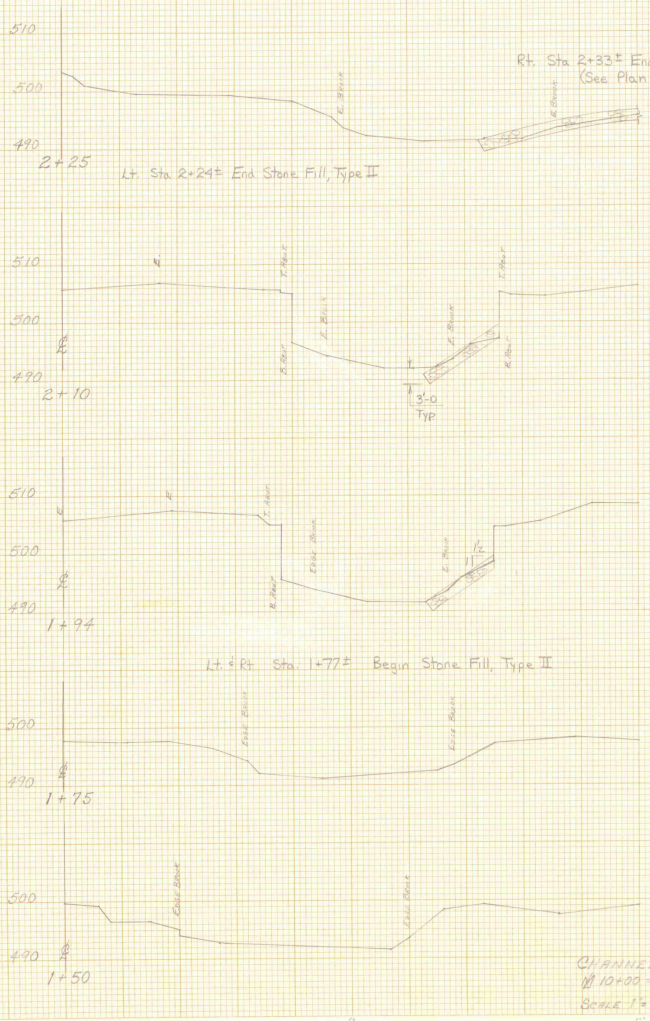
* DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.

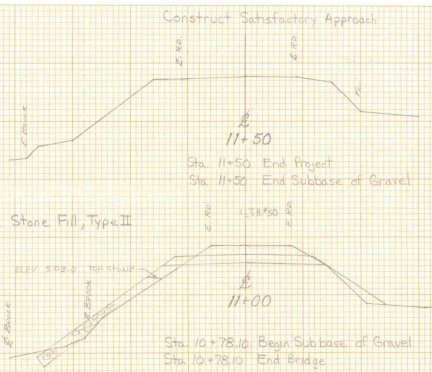
REV. NO.	MADE BY	DATE	DESCRIPTION
1	J. WOOD	8/11/75	AASHO CHANGED TO AASHTO. AND GRADE 40 CHANGED TO GRADE 60.

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF NEWBURY	BRIDGE NO. 16
	LOG STA.
HIGHWAY NO. TH 50 CL3	SURV. STA. 10+57
TOWN HIGHWAY # 50 OVER HALL BROOK	
REINFORCING STEEL SCHEDULE	
DESIGNED BY S. ACHILLES	DRAWN BY S ACHILLES
CHECKED BY J.R. Guilmette DATE 12/75	BRIDGE DESIGN SUPERVISOR W. Tripp DATE
PROJECT NEWBURY	PROJECT NO. TH 3606
BRIDGE SHEET NO.	SHEET 8 OF 13

BR 6





Guard Rail, H.D. Steel Beam w/ Steel Posts, Type I
Rt. 10+84.5 – 11+15.5
Lt. 10+86 – 11+57

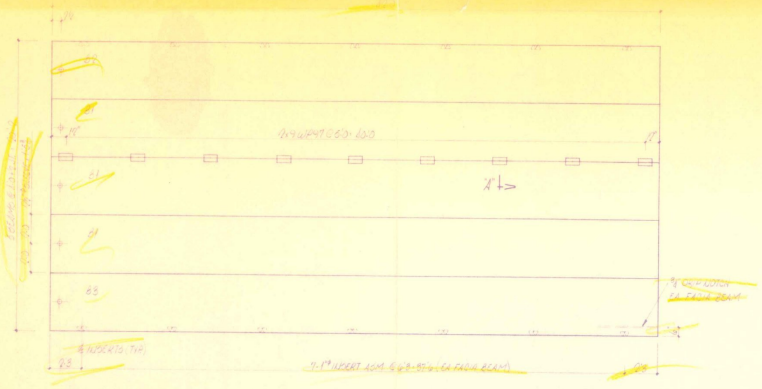
Bridge Railing, Heavy Duty Steel Beam
Rt. 10+20.5 – 10+84.5
Lt. 10+26 – 10+86

Guard Rail, H.D. Steel Beam w/ Steel Posts, Type I
Rt. 10+00 – 10+20.5
Lt. 10+06 – 10+26

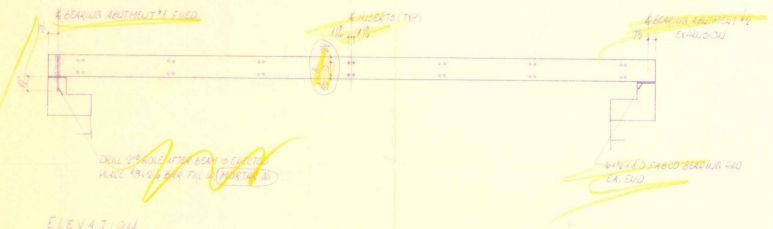
CHANNEL SECTIONS
@ 10+00 – 9+ 2+00
SCALE 1"=10' VERT. & HORIZ.

ROADWAY SECTIONS
TH 50 @ 9+50 TO 11+50
SCALE 1"=10' VERT. & HORIZ.

NEWBURY
TH - 3606
TH 50, B16 OVER HALLS BROOK.



FRAMING PLAN



ELEVATION

SHEAR KEY DETAIL

SECTION "A"

STATE COPY

RECEIVED APR 16 1976
CK'D BY JGC OR'D BY WAT
RESUBMIT APPROVED
BY J. WOOD DATE 4-19-76

FRAMING PLAN

GENERAL NOTES:	DESIGN LOADINGS:
1. UNISTRESS WILL NOT BE RESPONSIBLE FOR BEARING DIMENSIONS AFTER SHOP DRAWINGS HAVE BEEN APPROVED. DIMENSIONS SHOWN ARE PRESUMED TO BE CORRECT.	
2. CUSTOMER WILL PROVIDE DIMENSIONS AND LOCATION OF OPENINGS LARGER THAN 8 INCHES TO BE CAST IN UNITS. OPENINGS NOT SHOWN WILL BE CUT BY OTHERS.	
3. UNISTRESS WILL NOT SUPPLY INSERTS OR MISCELLANEOUS HARDWARE CONTAINED IN CAST IN PLACE WORK UNLESS SPECIFICALLY NOTED.	
4. CUSTOMER WILL PROVIDE ADEQUATE CLEAR AREA TO AND WITHIN THE STRUCTURE FOR UNRESTRICTED OPERATION OF CRANES AND TRUCKS BY THE ERECTOR.	
5. ERECTOR WILL REMOVE AND PATCH LIFTING EYES PROVIDED FOR ERECTION.	

MATERIAL SPECIFICATIONS:	
CONCRETE:	
STRAND:	
REBAR:	
HARDWARE:	
FINISH:	

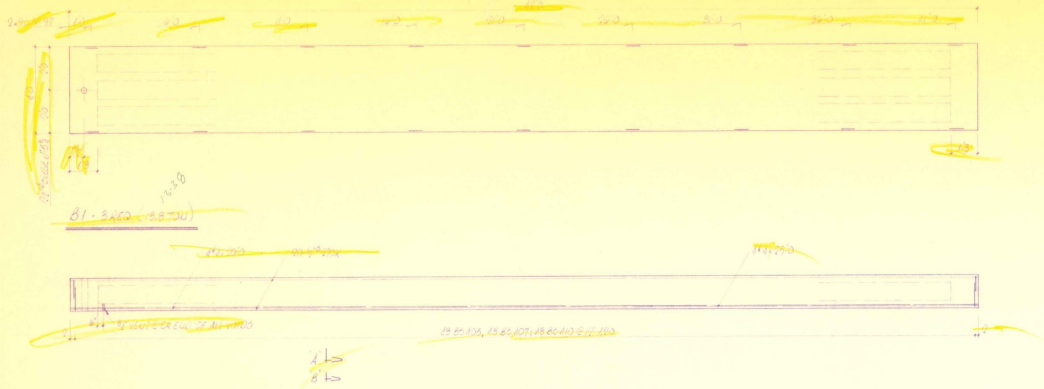
NO	DATE	REVISIONS
1	4/19/76	AS NOTED

unistress

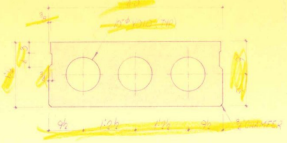
P.O. BOX 1145, PITTSFIELD, MASSACHUSETTS, 01201 (413) 499-1441
PRECAST STRUCTURAL CONCRETE — MEMBER PRESTRESSED CONCRETE INSTITUTE

UEWEAY BRIDGE
STATE OF VERMONT, DEPT OF HIGHWAYS

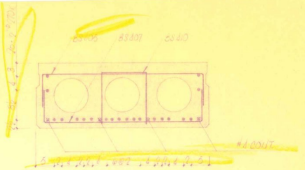
DATE:	3/29/76
SCALE:	
CHK'D:	DFTM:
JOB NO:	1662
DWG. NO:	F-1



B1 - 2 REQ (18.8 TON)

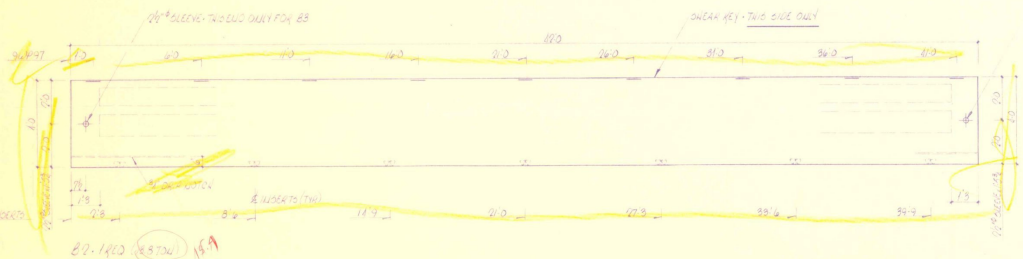


SECTION 'A' (DIMENSIONS ONLY)



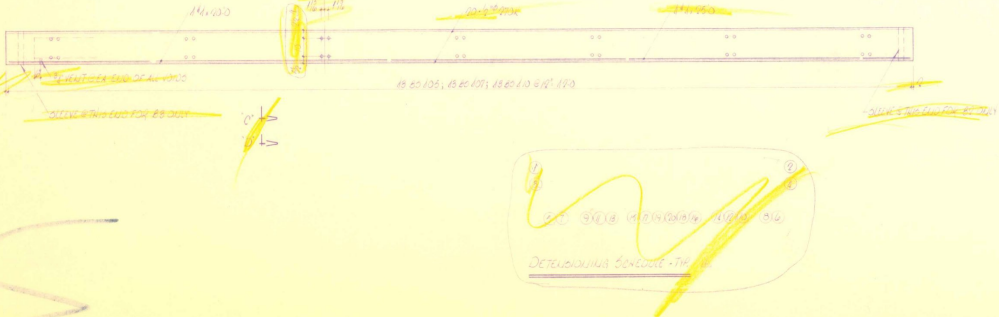
SECTION 'C' (REINFORCING & STRAND LOCATION)

LIFTING & STORAGE INSERTS

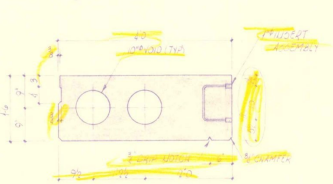


B2 - 1 REQ (18 TON)

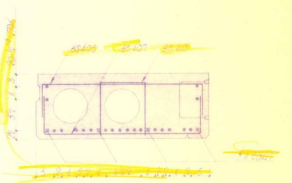
B3 - 1 REQ (18 TON)



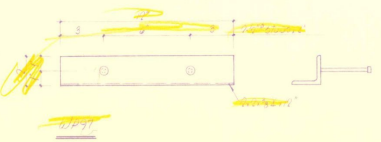
DETENSIONING SEQUENCE - TYP.



SECTION 'B' (REINFORCING ONLY)



SECTION 'D' (REINFORCING & STRAND LOCATION)



MATERIAL LIST

Nº REQ.	DESCRIPTION	REMARKS
94	1/2" ø STRAND	
216	B5 105	SEE DETAIL
216	B5 107	
216	B5 110	
10	6"x6"-10/10	FABRIC REINF. PAD
14	INSERTS ASSEMBLY	PER RIGHWOOD DWG. B-862 REV. 1-20-76
12	10"ø VOID x 8'-0"	SEE VOID FT.
20	#4 @ 4'-0" c/c	BAR
20	#4 @ 1'-6" c/c	BAR
6	24"ø SLEEVE (1.67)	18 GAGE
72	10"ø VENT	SEE DETAIL

STATE COPY

RECEIVED APR 16 1976
CK'D BY JGC OK'D BY WJT
RESUBMIT ____ APPROVED As Noted
BY J. WOOD DATE 4-19-76

GENERAL NOTES:

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5. ERECTOR WILL REMOVE AND PATCH LIFTING EYES PROVIDED FOR ERECTION.

DESIGN LOADINGS:

MATERIAL SPECIFICATIONS:

CONCRETE:	N.W. RELEASE f'c 4000 PSI 28 DAY f'c 5000 PSI
STRAND:	1/2" DIA. PER ASTM A-416
REBAR:	GR 60
HARDWARE:	
FINISH:	SMOOTH

NO	DATE	REVISIONS
1	10 MAY 76	PER AS NOTED

unistress

P.O. BOX 1145, PITTSFIELD, MASSACHUSETTS, 01201 (413) 499-1441

PRECAST STRUCTURAL CONCRETE — MEMBER PRESTRESSED CONCRETE INSTITUTE

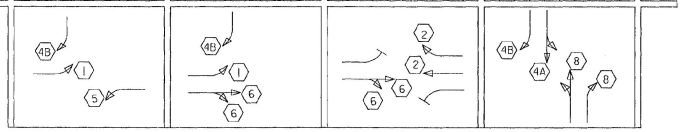
NEWBURY BRIDGE

STATE OF VERMONT, DEPT OF HIGHWAYS

DATE: 9 APRIL 76
SCALE:
CHKD: DFTM:
JOB NO: 7615
DWG. NO: P1

TIMING AND PHASING

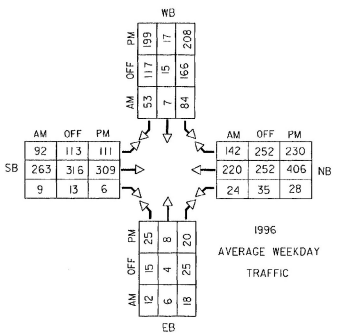
		PHASE 1 & 5	PHASE 1 & 6	PHASE 2 & 6	PHASE 4 & 8	
		R/W CLEAR TO Ø 1&6	R/W CLEAR TO Ø 2&6	R/W CLEAR TO Ø 4&8	R/W CLEAR TO Ø 1&5	
AM PEAK	VEHICLE					AM - PM - OR AS LATER DETERMINED
	MINIMUM					
	MAX 1					
OFF PEAK	VEHICLE					
	MINIMUM					
	MAX 1					
PM PEAK 12:00 - 6:30	VEHICLE					
	MINIMUM					
	MAX 1					
FACE 1		C C G	G Y R	R R R	R R R	
FACE 2		R R R	R R R	G Y R	R R R	
FACE 4A		R R R	R R R	R R R	G Y R	
FACE 4B		R R R	R R R	R R R	G G C	
FACE 5		G Y R	R R R	R R R	R R R	
FACE 6		R R R	G G G	G Y R	R R R	
FACE 8		R R R	R R R	R R R	G Y R	



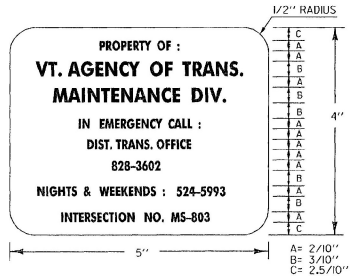
VEHICLE DETECTOR LOOPS

LOOP NO.	LANE	CALL Ø	SIZE	TYPE & NO. TURNS	DELAY OR PRESENCE	INDUCTANCE CALC.	INDUCTANCE ACT.	RESISTANCE CALC.	RESISTANCE ACT.	LEAKAGE TO GROUND	LOCKING MEMORY
1											
4 A											
4 B											
5											
8 A											
8 B											

PHOTOMETRIC DATA TO BE INCLUDED IN CONTRACT PLANS



CONTROLLER IDENTIFICATION PLAQUE



LEGEND:- BLACK (NON-REFL.) - STAMPED PRIOR TO PAINTING
BACKGROUND: NATURAL ALUMINUM OR BRASS SURFACE

NOTES:
1. THE PLAQUE SHALL BE MOUNTED ON ALL TRAFFIC SIGNAL CONTROLLER CABINETS. IT SHALL BE FASTENED TO THE CONTROLLER CABINET IN SUCH A MANNER AS TO BE NOT EASILY REMOVED, SUCH AS WELDED, RIVETED OR BOLTED WITH VANDAL PROOF BOLTS.
2. THE LETTERS SHALL BE PUNCHED OR STAMPED, SUCH STAMPING SHALL PENETRATE AT LEAST ½ THE BASE MATERIAL THICKNESS.
3. THE BASE MATERIAL FOR THE PLAQUE SHALL BE BRASS OR ALUMINUM WITH A MINIMUM THICKNESS OF 0.100 INCHES.

LIST OF MAJOR EQUIPMENT

EQUIPMENT ITEM - 678.15	QUANTITY
STRAIN POLES	2
POWER DROP STANCHION	1
NEW 12" TRAFFIC SIGNAL HEADS W/ TUNNEL VISORS, DISCONNECT HANGERS & MOUNTING HARDWARE	
A. ONE-WAY 3-SEC.	1
B. TWO-WAY 3-SEC.	4
C. ONE-WAY 5-SEC.	1
CONTROLLER/CABINET	1
LUMINAIRES	2

PLOTTED:13-JUL-1995 /traf/95cl88/tcl88.dgn/tcl88sam.i

SIGNAL TIMING SEQUENCES & MISC. DETAILS

PREPARED BY ABK DATE 3/95
CHECKED BY LKA DATE 6/95
DESIGN SUPERVISOR DLP DATE 6/95
PROJ. ST. ALBANS STPG SGNL(7)
SHEET 7 OF 41 SHEETS

Sheet Number

INITIALS DONE Hanger 2766

INITIALS DONE Vermont Agency of Transportation
PHASE 2-INTERSTATE
#122302-01

Bridge
1976

Newbury
TH 3606

1976

NEWBURY
TH3606

M

C1.3, TH50, B16 over Halls Brook

New Prestressed Voiled Slab

1976

NEWBURY
TH3606