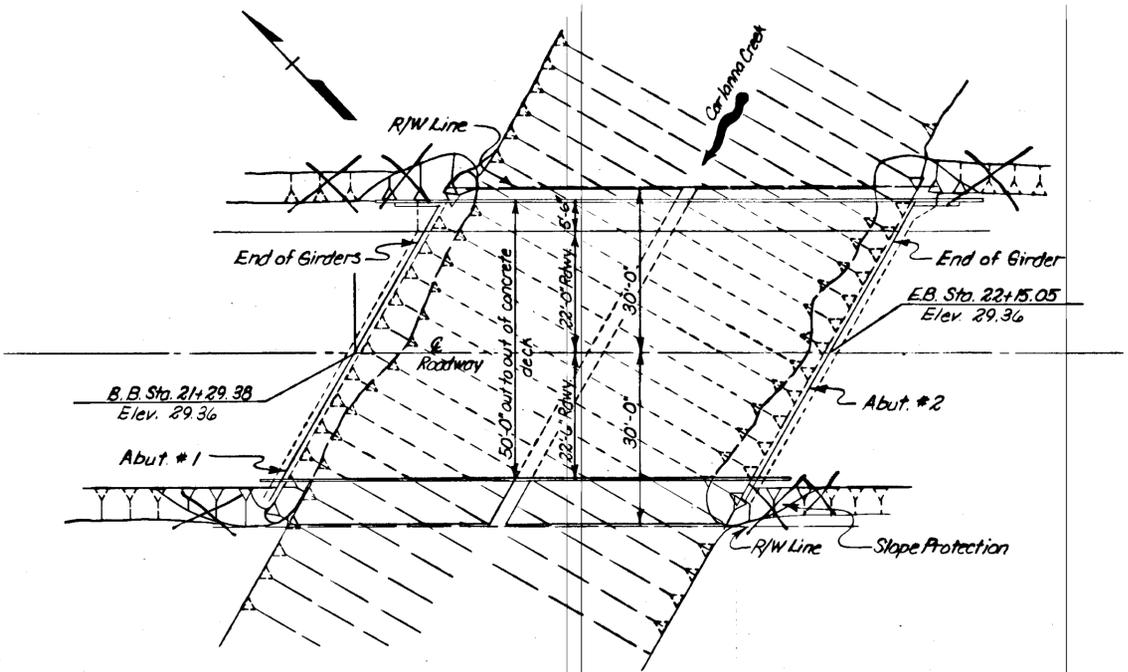
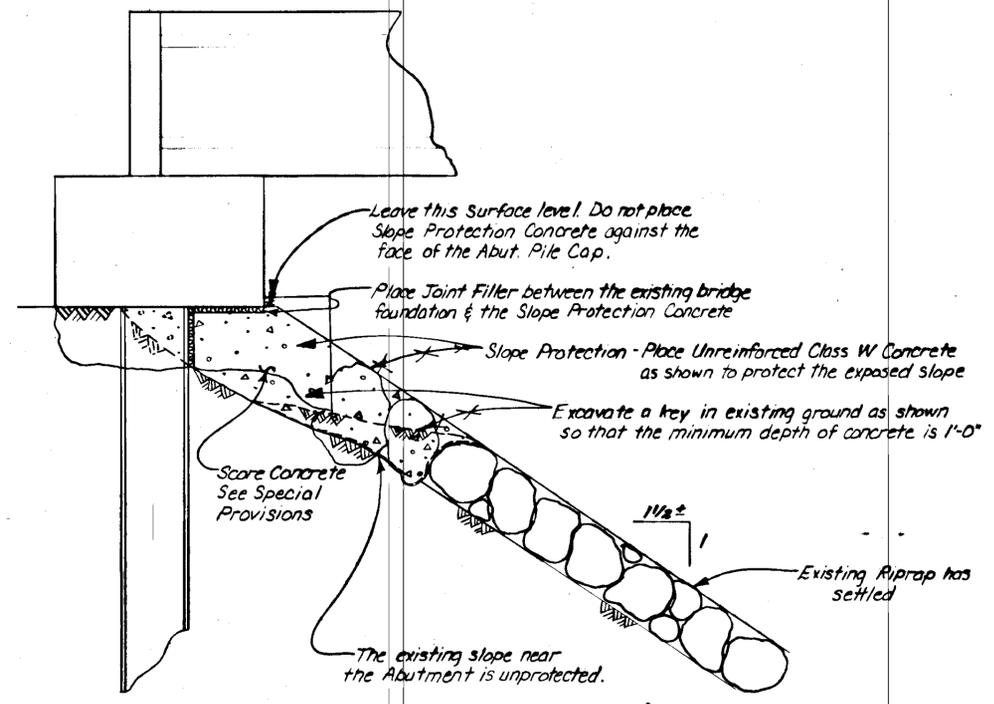


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	BH-091-1(3)	90	2	7



SLOPE PROTECTION PLAN
(No Scale)



SLOPE PROTECTION PROFILE
(No Scale)

ESTIMATED QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL
120(1)	DBE Adjustments	C.S.	All Req'd
502(3)	Post Tension Concrete Girders Redesign	C.O.#1	
502(2)	Post Tension Concrete Girders	L.S.	All Req'd
606(8)	Bridge Rail and Transition Upgrade	L.S.	All Req'd
612(1)	Concrete Slope Protection C.O.#1	C.Y.	100.24
(1A)			
640(1)	Mobilization and Demobilization	L.S.	All Req'd
641(1)	Temporary Erosion and Pollution Control	C.S.	All Req'd
643(2)	Traffic Maintenance	L.S.	All Req'd
643(4)	Construction Sign	Ea./Day	300.20
643(5)	Type II Barricade	Ea./Day	60.21
643(7)	Traffic Cone	Ea./Day	1050.18
643(15)	Flagging	Hour	10.0

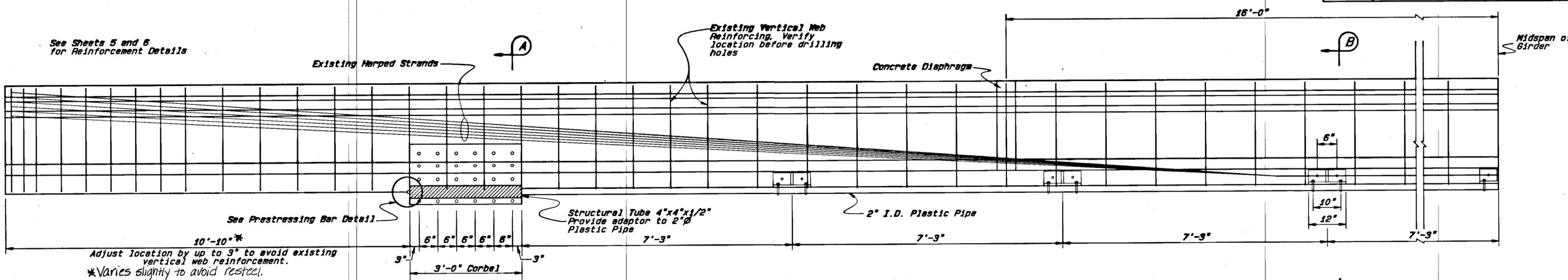
CARLANNA CREEK BRIDGE UPGRADE
ROUTE NO. F-920
SLOPE PROTECTION

State of Alaska
DEPARTMENT OF TRANSPORTATION
and PUBLIC FACILITIES
Juneau, Alaska



BRIDGE NO. 749
DWNG. NO.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	BH-091-1 (3)	90	4	7

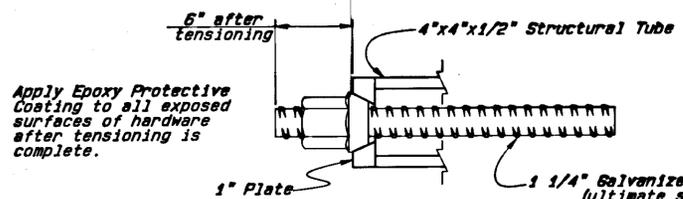
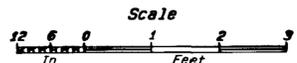


See Sheets 5 and 6 for Reinforcement Details

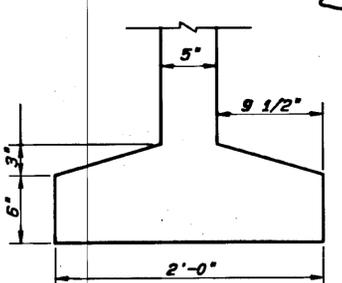
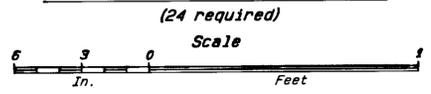
See Prestressing Bar Detail

Structural Tube 4"x4"x1/2" Provide adaptor to 2" Plastic Pipe

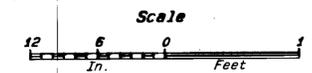
GIRDER ELEVATION



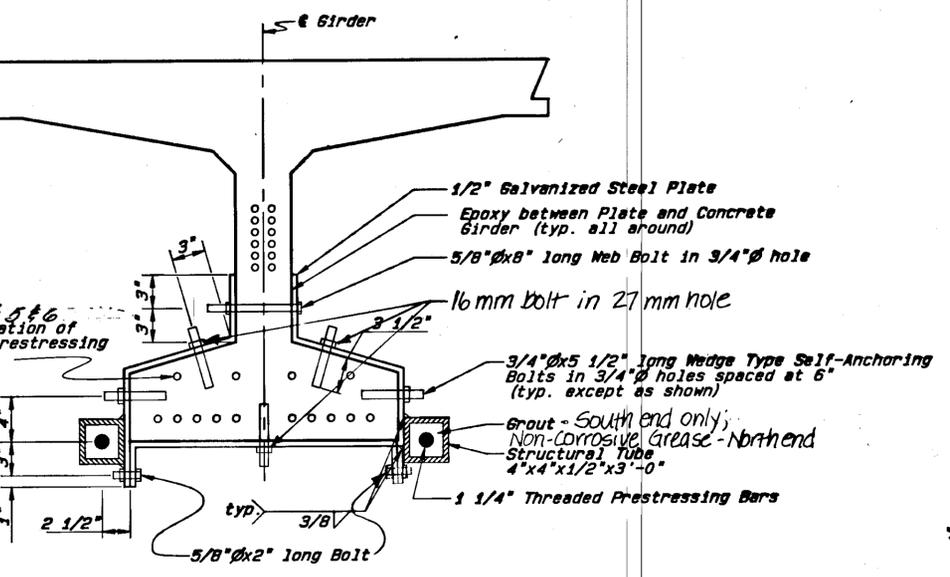
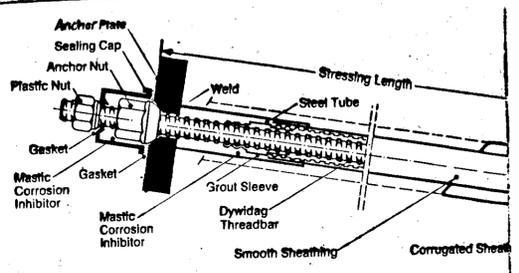
PRESTRESSING BAR DETAIL SEE DRAWING OF DOUBLE PROTECTION SYSTEM BY DYWIDAG



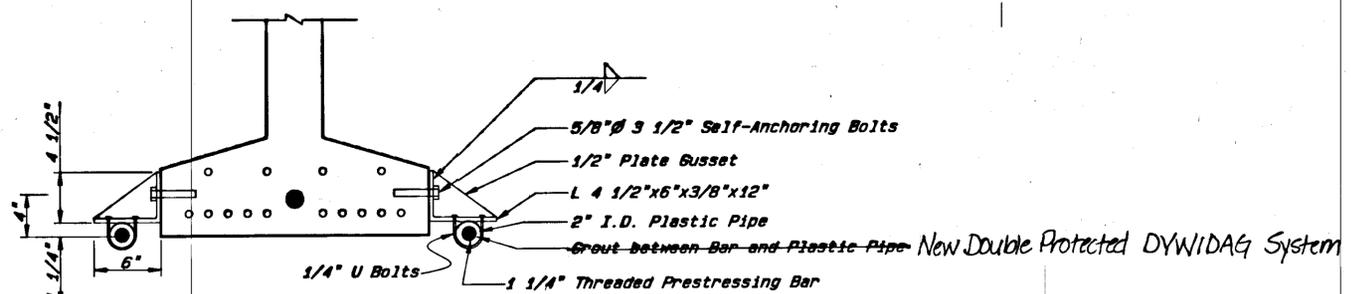
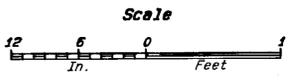
APPROXIMATE EXISTING FLANGE DIMENSIONS



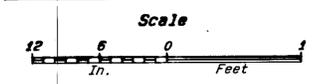
DYWIDAG Anchor with double corrosion protection



SECTION A-A @ CORBEL



SECTION B-B @ BRACKET



GENERAL NOTES

- Specifications** AASHTO Standard Specifications for Highway Bridges 1989 Edition, with the latest Interim Specifications.
- Construction** State of Alaska Standard Specifications for Highway Construction, 1988, with Standard Modifications and Special Provisions.
- Live Load** HS-25
- Dead Load** Includes 50 psf for all paving.
- Materials** All Structural Steel shall be AASHTO M270 Grade 36. All corbels, brackets, and other steel hardware shall be galvanized after fabrication. Prestressing Bars shall be ASTM A722. Bolts shall be ASTM A325. Plastic Pipe shall be ASTM D2997, Type II, Grade E, Class B, Design Basis 4000. Utilities are present under bridge, see Special Provisions. All holes in steel shall be drilled (not punched) to 1/16" greater than bolt size.

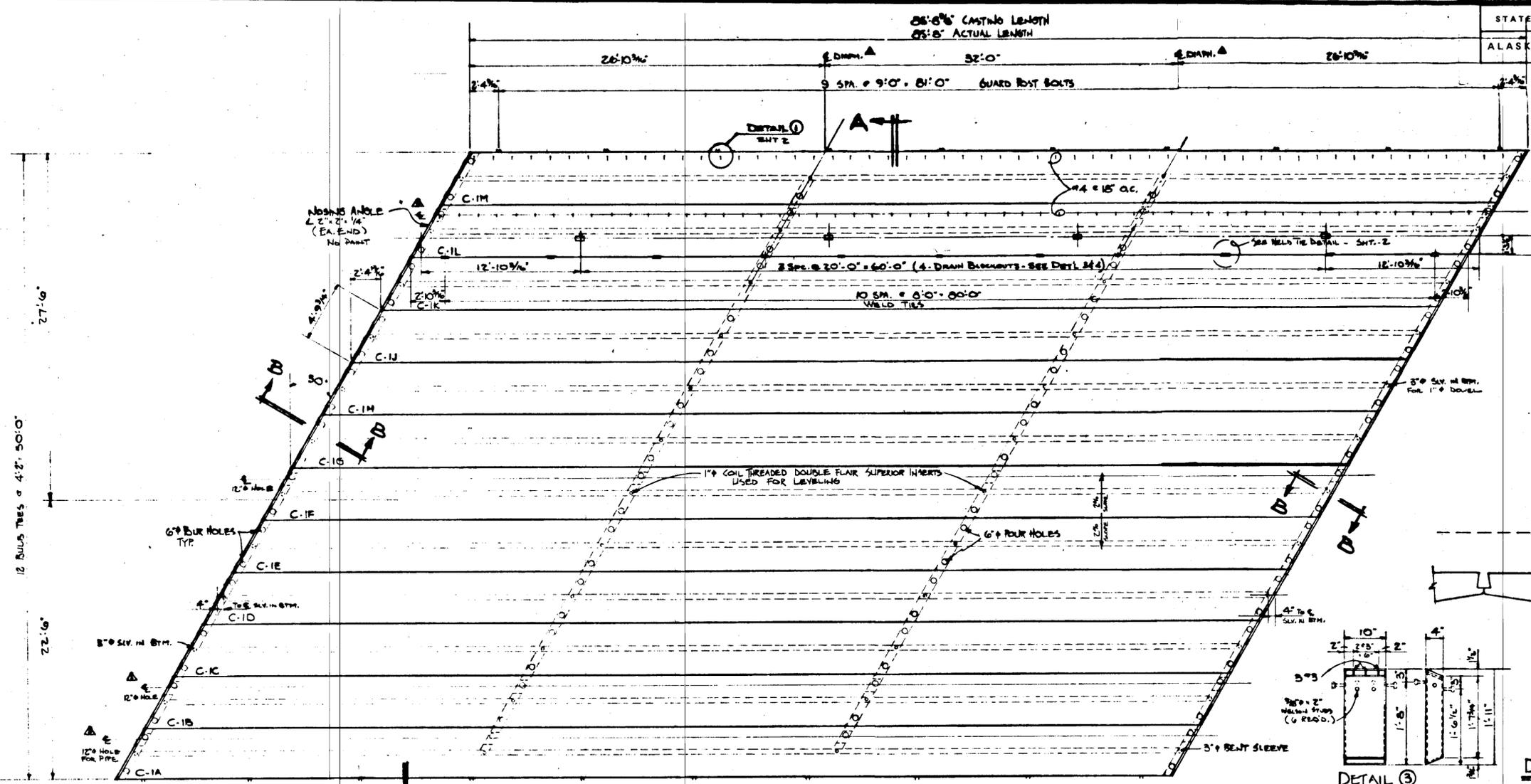
CARLANNA CREEK BRIDGE
ROUTE NO. F-920
EXTERNAL POST-TENSIONING

State of Alaska
DEPARTMENT OF TRANSPORTATION
and PUBLIC FACILITIES
Juneau, Alaska

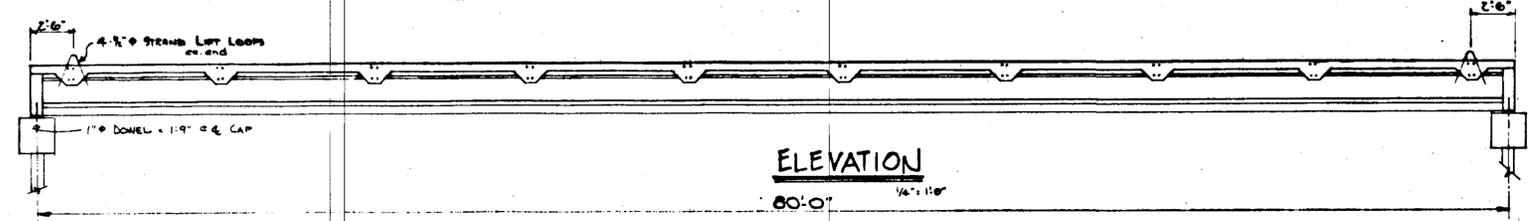


BRIDGE NO. 749
DWG. NO.

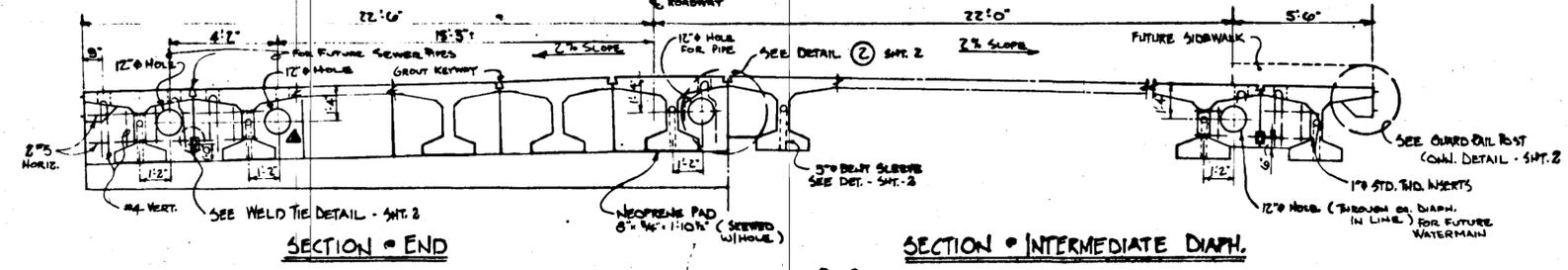
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	BH-091-1(3)	90	5	7



PLAN
1/8" = 1'-0"



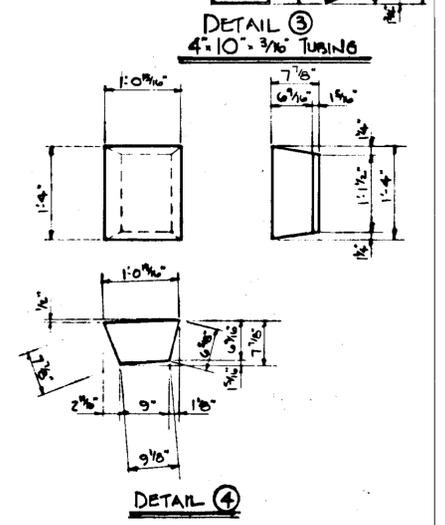
ELEVATION
1/8" = 1'-0"



SECTION - END

SECTION - AA
1/8" = 1'-0"

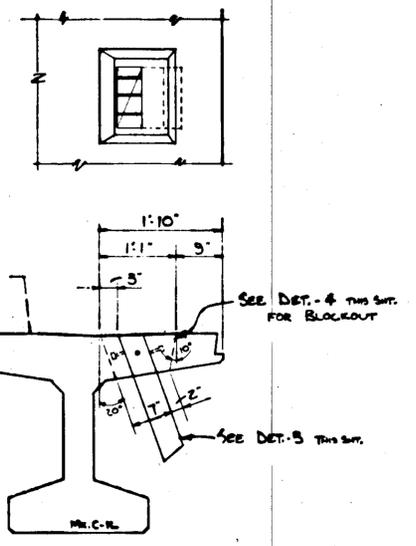
SECTION - INTERMEDIATE DIAPH.



DETAIL 1
4'-10" x 3/16" TUBING

DETAIL 2

DETAIL 3



DRAIN DETAIL

GENERAL NOTES

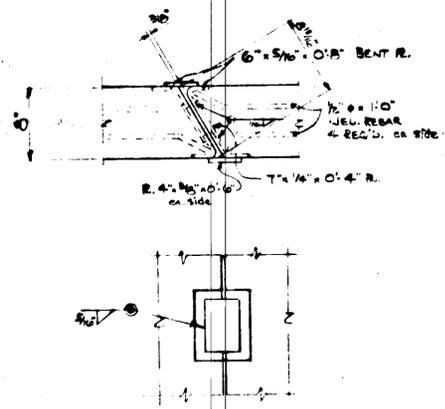
CONCRETE: HARDROCK TOPPING
 • 155 PCF w/ 5% AIR
 f'c = 5000 PSI @ 28 DAYS
 f'ci = 4000 PSI @ TRANSFER
 HARDROCK BODY @ 155 PCF
 f'c = 6000 PSI @ 28 DAYS
 f'ci = 5000 PSI @ TRANSFER
 HARDROCK DIAPH. @ 155 PCF
 f'c = 3500 PSI @ 28 DAYS
 STRANDS: 1/2" x 7 WIRE
 f'ult = 41.3 KSI, f' = 27.5 KSI @ 28.5%
 LOADING: HS 20-44
 WEIGHT: EXT. TEE = 62, 967 # } DIAPH. INCL.
 INT. TEE = 62, 527 # }

APPROVED
 BRIDGE DESIGN SECTION
 REVISIONS TO CONTRACT OR HIGHWAYS
 Reviewed for conformance with basic details
 by _____ of the contract plan. Accuracy
 of information supplied by the contractor is
 guaranteed by _____
 Date: 11/7/73

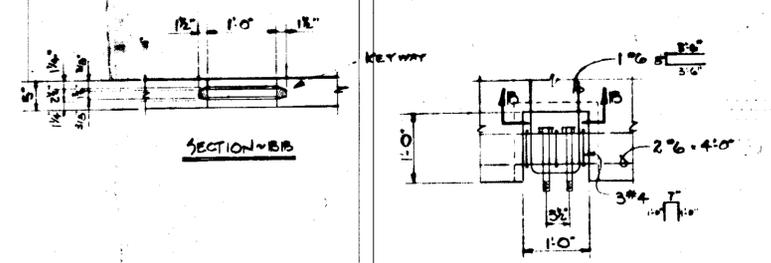
REVISION: CHANGED LOCATION OF DRAIN DRAIN LINES
 ADDED 12" HOLES TO DIAPHRAGM

TITLE		DRAWN		CHKD.
CARLANNA CREEK BRIDGE No 749 FOR KETCHIKAN, ALASKA PROJECT # ER 58(1)		DCW		
CENTRAL PRE-MIX CONCRETE CO. PRE-STRESS DIVISION P.O. BOX 196 TERMINAL ANNEK SPOKANE, WASH. 83402-2941		DATE	REV.	
		11-2-73	931-1	

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	BH-091-1(3)	90	6	7

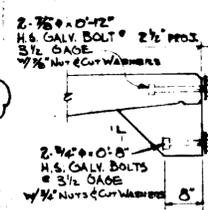


DIAPH. WELD CONN. DETAIL

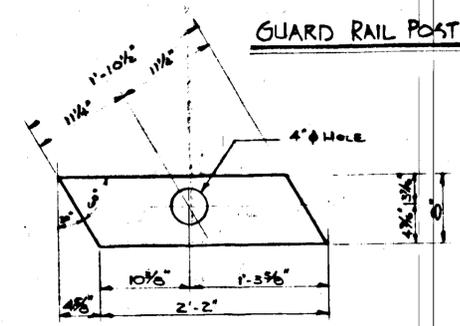


SECTION-BB

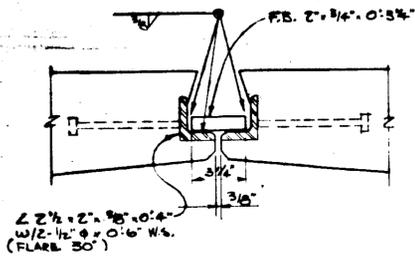
NOTE -
EXTEND 7/8\"/>



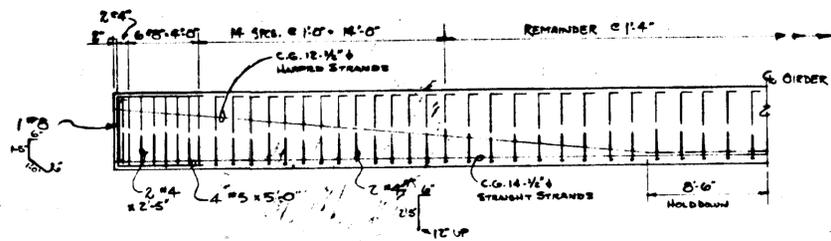
GUARD RAIL POST CONN. DETAIL



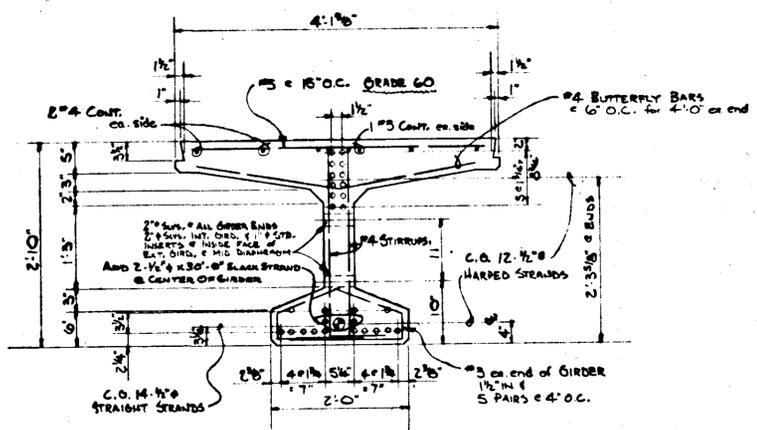
3/4\"/>



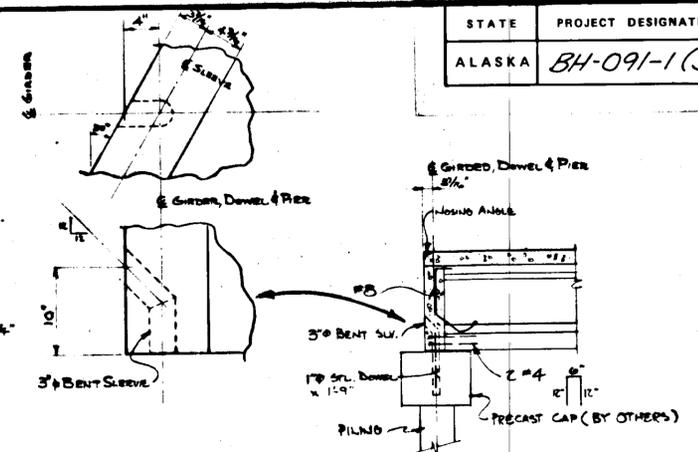
WELD TIE DETAIL



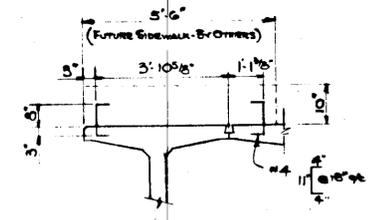
REINF. ELEV.



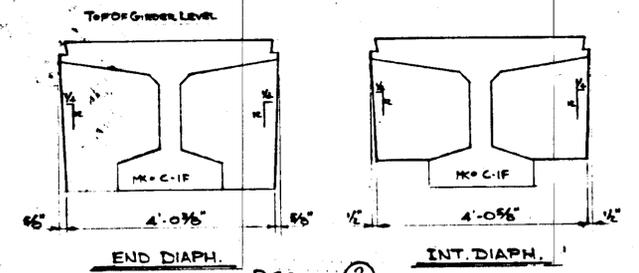
TYPICAL SECTION



SECTION - BB



DETAIL 1

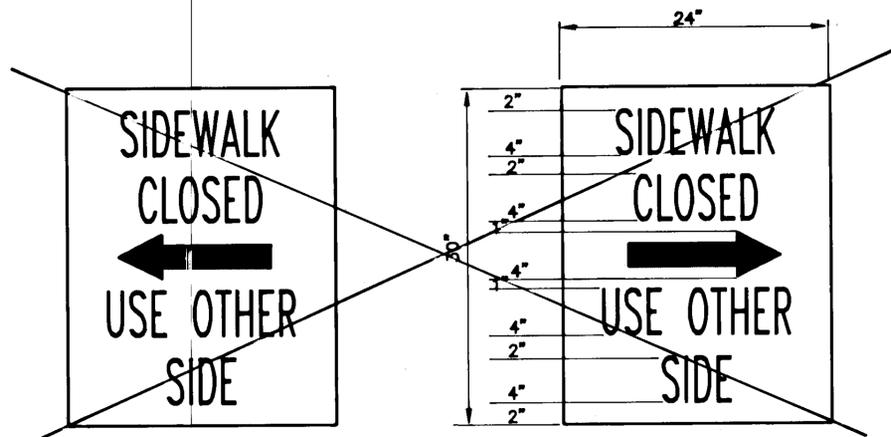


DETAIL 2

APPROVED			
<small>BRIDGE DIVISION ALASKA DEPARTMENT OF HIGHWAYS Reviewed in conference with basic details and dimensions of the contract plans. Accuracy of dimensions is the responsibility of the contractor.</small>			
TITLE CARLAJWA BRIDGE BR. # 749 PROJECT # ER 55(1)			
CENTRAL PRE-MIX CONCRETE CO. <small>PRE-STRESS DIVISION P.O. BOX 3364 TERMINAL ANNEX SPOKANE, WASH. 83403-2411</small>		DRAWN bcw	CHD.
		DATE 11-2-73	REV.
		DRWG. NO. 931-2	

CONSTRUCTION SIGN SUMMARY				
SIGN NO.	MUTCD NO.	LEGEND	NO. OF SIGNS	SIGNS
①	CW20-1F	ROAD CONSTRUCTION AHEAD	2	48"X48"
②	CW21-5	SHOULDER WORK	2	30"X30"
③	CW21-1	20 M.P.H.	2	48"X48"
④	*	SIDEWALK CLOSED USE OTHER SIDE	2	30"X24"
⑤	G20-2	END CONSTRUCTION	2	24"X60"
⑥	*	SIDEWALK CLOSED USE OTHER SIDE	1	30"X24"

* SEE DETAIL ON THIS SHEET

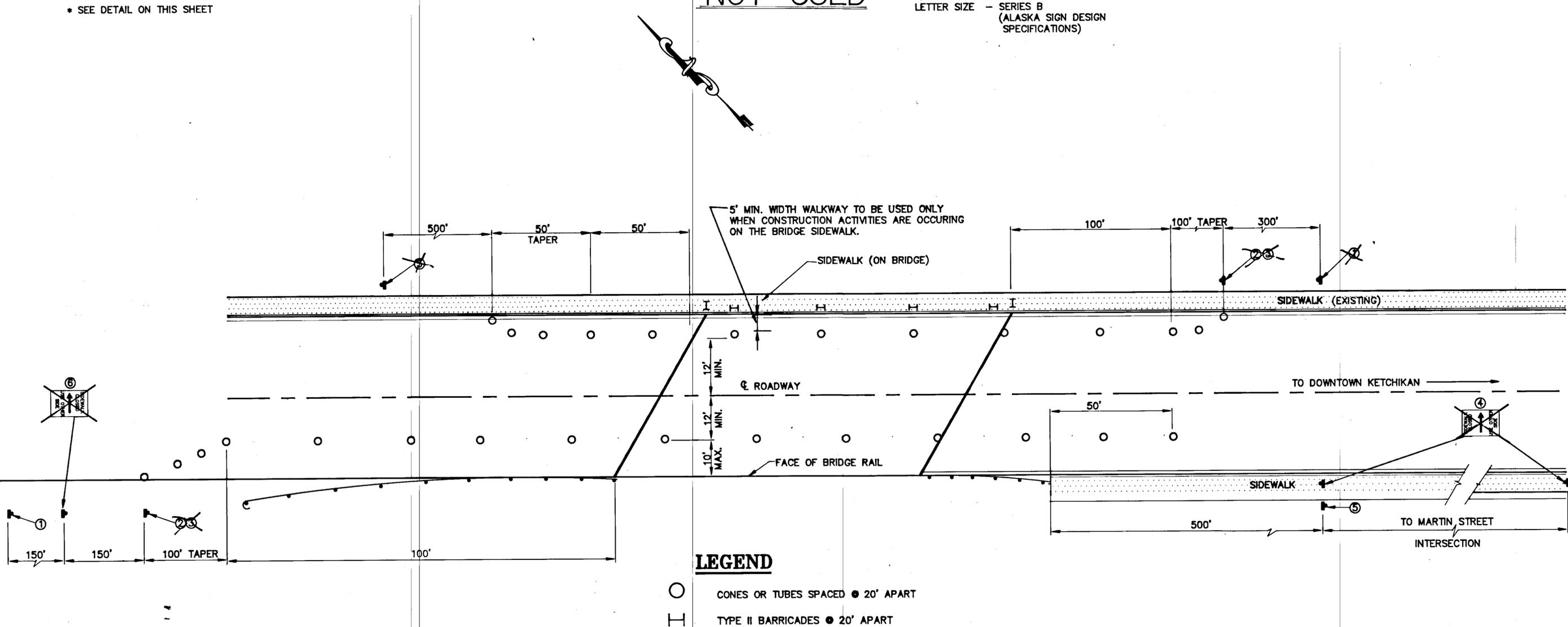


NOT USED

BACKGROUND - WHITE
 LETTERING - BLACK
 LETTER SIZE - SERIES B
 (ALASKA SIGN DESIGN SPECIFICATIONS)

TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE PUBLIC ADVISED THROUGH THE LOCAL NEWS MEDIA OF HIS CONSTRUCTION ACTIVITIES AND SCHEDULING. (SEE STANDARD SPECIFICATIONS).
 2. CONSTRUCTION SIGNS SHALL BE PORTABLE AND SHALL BE REMOVED OR COVERED DURING NON-WORKING HOURS.
 3. CONSTRUCTION EQUIPMENT AND MATERIALS SHALL NOT BE LEFT ON THE BRIDGE OR ROADWAY DURING NON-WORKING HOURS.
- ✗ A 5 FOOT MIN. WIDTH PEDESTRIAN WALKWAY SHALL BE PROVIDED AT ALL TIMES ON THE UPSTREAM (NORTHEAST) SIDE OF THE BRIDGE.
- ✗ FLAGGING (WITH CORRESPONDING SIGNING) MAY BE REQUIRED ON A LIMITED BASIS AS DIRECTED BY THE ENGINEER.



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DATE	DESCRIPTION OF CHANGE

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

KETCHIKAN

ALASKA
 CARLANNA CREEK BRIDGE
 TRAFFIC CONTROL PLAN

DESIGNED BY: M. BUNTON
 DRAWN BY: AUTOCADD/CSA
 CHECKED BY: W. TOWNSEND

PROJECT NO. BH-091-1(3)
 DATE:
 SHEET 7 OF 7

