

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Bid Receiving Public Works and Government
Services Canada/Réception des soumissions Travaux
publics et Services gouvernementaux Canada
800 Burrard Street, Room 219
800, rue Burrard, pièce 219
Vancouver
British Columbia
V6Z 0B9
Bid Fax: (604) 775-9381

SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise
indicated, all other terms and conditions of the Solicitation
remain the same.

Ce document est par la présente révisé; sauf indication contraire,
les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution
Public Works and Government Services Canada -
Pacific Region
800 Burrard Street, Room 219
800, rue Burrard, pièce 219
Vancouver
British C
V6Z 0B9

Title - Sujet Painting Two Bridges	
Solicitation No. - N° de l'invitation EZ899-152072/A	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client	Date 2015-02-24
GETS Reference No. - N° de référence de SEAG PW-\$PWY-022-7456	
File No. - N° de dossier PWY-4-37318 (022)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-03-06	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Arthur (PWY), Carolyn	Buyer Id - Id de l'acheteur pwy022
Telephone No. - N° de téléphone (604) 775-6667 ()	FAX No. - N° de FAX (604) 775-6633
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: PWGSC - Jackfish Creek and Peterson Creek Bridges - Alaska Highway, BC	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

Solicitation No. - N° de l'invitation

EZ899-152072/A

Client Ref. No. - N° de réf. du client

Amd. No. - N° de la modif.

002

File No. - N° du dossier

PWY-4-37318

Buyer ID - Id de l'acheteur

pw022

CCC No./N° CCC - FMS No/ N° VME

Amendment 002

Amendment 002 has been raised to provide Addendum 001 and drawings.

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED

**The following changes/clarifications in the tender documents are effective immediately.
This addendum will form part of the contract documents.**

Special Instructions to Bidders

Q1. There is a conflict between 01 5600 1.3 and 017419 1.12.3. Specifically, two levels of containment are specified. Can PWGSC please clarify which requirement applies on this project?

A1. Requirements in Specification Section 01 56 00 shall override the requirements in Specification Section 01 74 19 1.12.3

Q2. Can PWGSC please clarify the intention of Item 01 5100 1.5.2 – maintain temperature minimum of 20 degrees C in areas where construction is in progress?

A2. Delete 01 51 00 1.5.2

Q3. Related to material tests as called for in 01 4500 1.3, in order to determine potential costs and schedule impact as a result of the requirements of this section, we request that PWGSC provide what material testing would be required for – a) determining compliance with contract requirements and b) if defects are revealed after testing per a). As well, what equipment is expected to be provided per 1.3.6 and at what location and for what duration?

A3. The contractor is to develop a written, Project Specific Quality Control Program to be approved by the Departmental Representative and adhered to by the Contractor. The Quality Control Program is to be based on the references in Specification Section 09 97 79.1.1. The intention of the QC testing is to ensure the required life of the coating system is realized and should encompass surface preparation, steel temperature and environmental conditions, film thicknesses and operating techniques

Q4. Can not find the Form “Agreement to Provide 5 Year Warranty” in submitted documents.

A4. See page 3 of Specification Section 01 77 00

Q5. Are the other drawings available for the Peterson Bridge (2135- 12,13,14,16,17,18)?

A5. See attached

Q6. Is the contractor required to provide office space at site for owner’s representative?

a. Is contractor required to provide phone and internet service for the owners representative?

A6. The Contractor is NOT required to provide an office trailer for the use of Departmental Representative

Q7. Can the contractor pump water from the creek for washing?

A7. Yes. Pumping water from the two Creeks is allowed under permit obtained by PWGSC

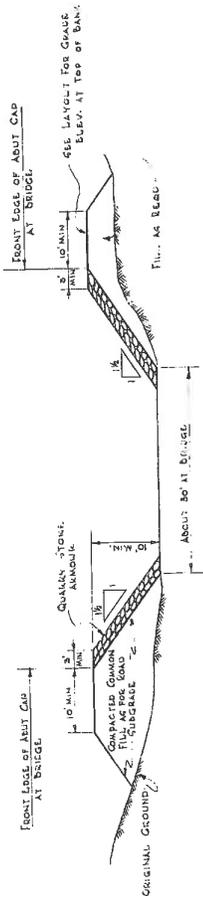
Q8. Can there be an extension to the tendering period of 5 business days to accommodate sub-trade pricing?

A8. See Addendum 1. Tender extension has been granted.

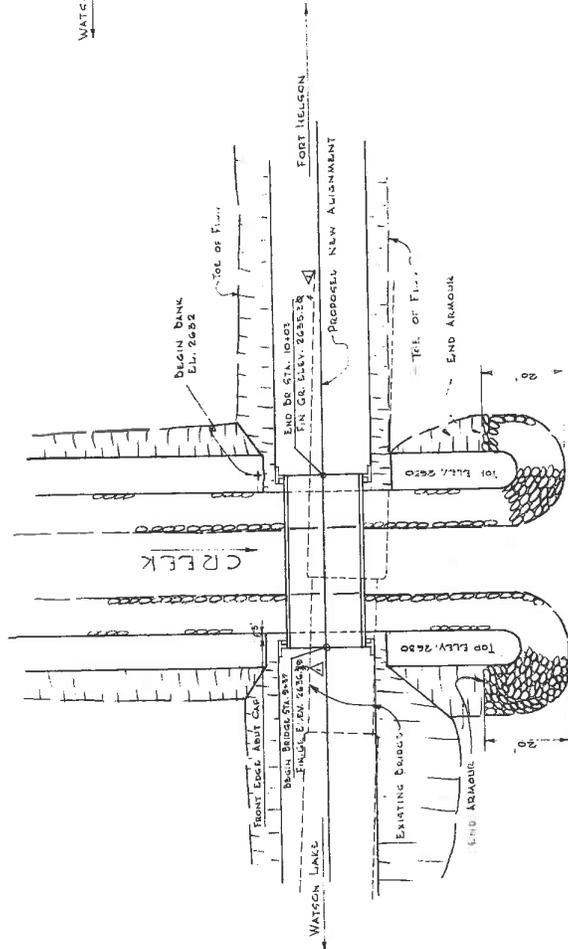
Q9. Are the specs for the deck drainage pipes of Peterson Creek for the bottom .5m of *exterior* only? Or does this include the interior?

A10. Work under this Contract is related to exterior of the pipes only.

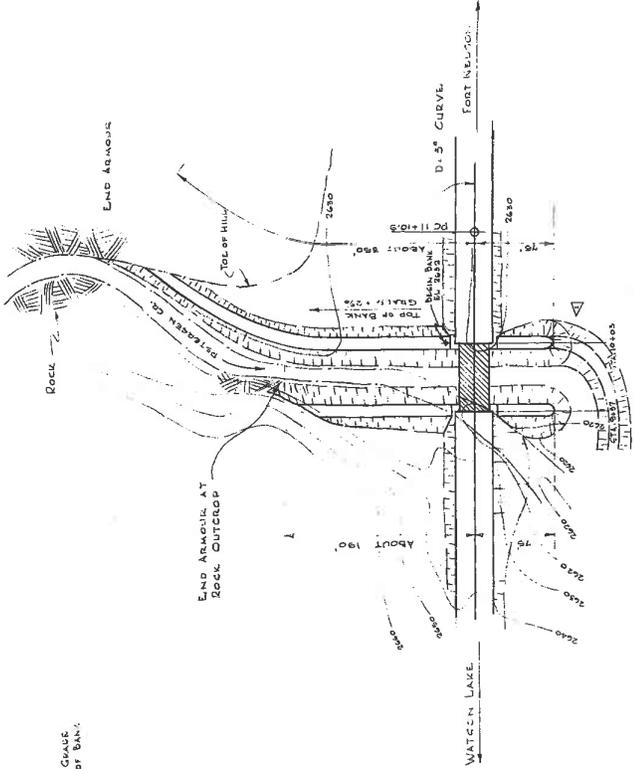
End of Addendum No.1



TYPICAL SECTION OF ARMOAK BANK
SCALE 1" = 10'



PLAN AT BRIDGE
SCALE 1" = 10'



LAYOUT - STREAM CONTROL BANKS
SCALE 1" = 100'

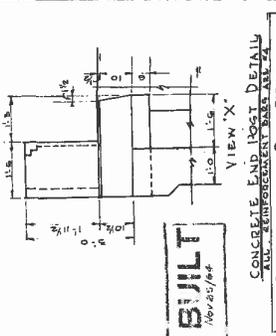
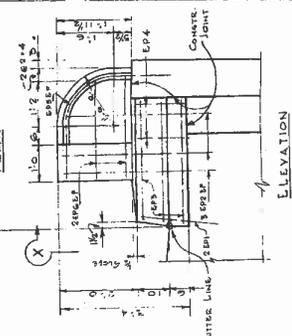
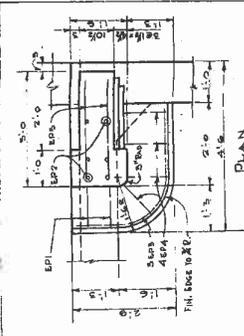
AS BUILT
REVISED: Nov. 25, 1912

NOTES:

1. QUARRY STONES SHALL BE OF DURABLE ROCK AND VAR. IN WEIGHT FROM 75 TO 1000 LBS. EACH AND NOT LESS THAN 2 1/2" SQUARE WEIGHT: LESS THAN 1000 LBS. EACH.
2. ORIGINAL SOURCES OF ROCK ARE LOCATED AT NY JAMES (VALLEY), BRIDGE # 4412

SUMMARY OF QUANTITIES		UNIT ESTIMATED AS BUILT	COMMON EMBANKMENT	C.V.	300'
QUARRY STONES	C.V.	1,200			

DEPARTMENT OF NATIONAL DEFENSE (ARMY)		ENGINEERING DISTRICT		WATERWAYS DIVISION	
DATE	BY	LOCATION	PROJECT	SCALE	NO.
		STATION 441.8	BRIDGE, CO. N.F.		
STREAM CONTROL BANKS					
DETAIL					
SCALE	AS SHOWN	DATE	JANUARY 1914		
DESIGNED BY	CHAS. J. B.	CHECKED BY	W. H. B.		
DRAWN BY	W. H. B.	APPROVED BY	W. H. B.		
TRACED	W. H. B.	DATE			
NOTED	W. H. B.	NO.	2135-12		



REVISION

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

DEPARTMENT OF NATIONAL DEFENSE (ARMY)

ENGINEERING DIVISION

CONSTRUCTION ENGINEERING CENTER

UNITED STATES ARMY

WASHINGTON, D. C.

PROJECT TITLE

ADJUTANT DETAIL

DATE

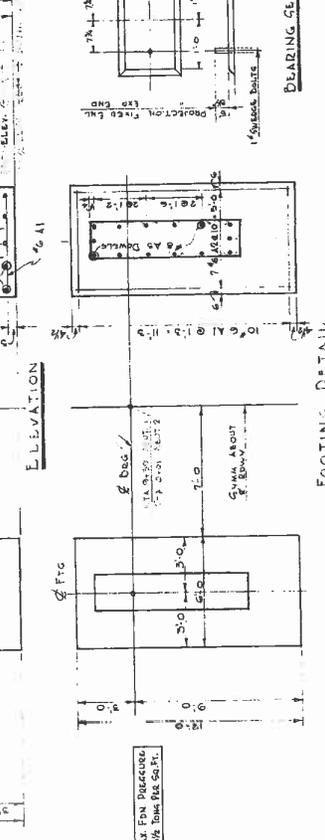
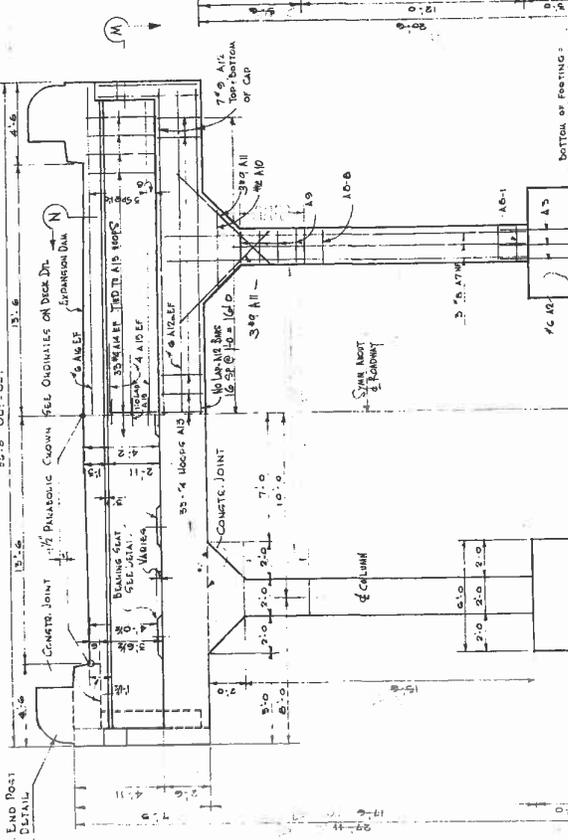
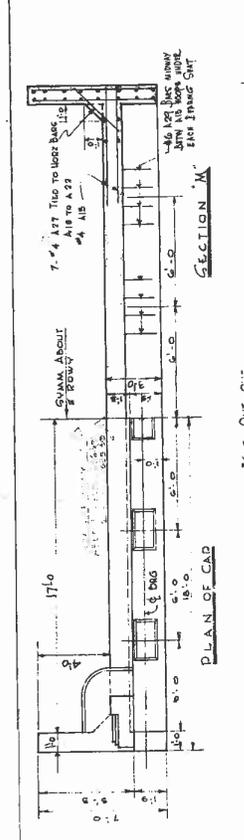
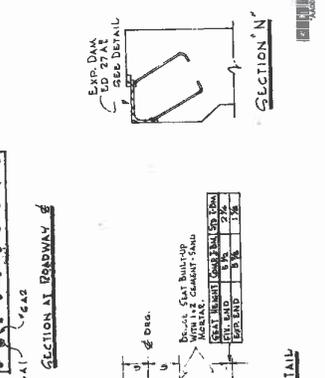
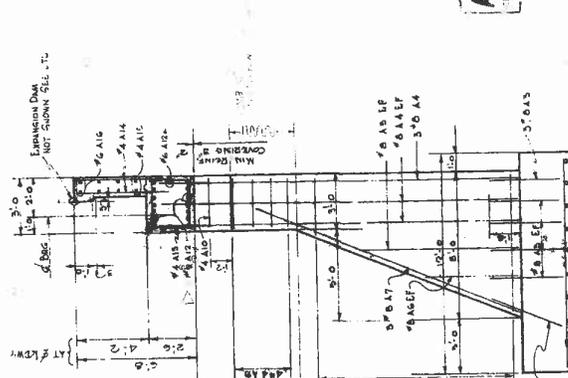
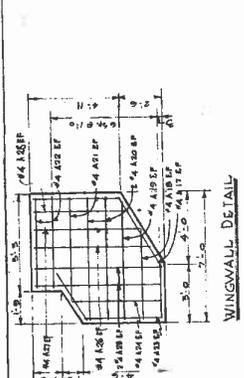
BY

CHECKED

APPROVED

SCALE

NO. 2155-13



AS BUILT

10/26/57/64

CONCRETE END POST DETAIL

REINFORCEMENT BAR AS BUILT

ESTIMATED QUANTITIES

ITEM

UNIT

QUANTITY

CONCRETE, CLASS A CRE

CY

1.00

REIN. STEEL

LB

100.00

STRUCT. EXCAVATION

CU YD

1.00

REVISION

NO.

DATE

DESCRIPTION

DEPARTMENT OF NATIONAL DEFENSE (ARMY)

ENGINEERING DIVISION

CONSTRUCTION ENGINEERING CENTER

UNITED STATES ARMY

WASHINGTON, D. C.

PROJECT TITLE

ADJUTANT DETAIL

DATE

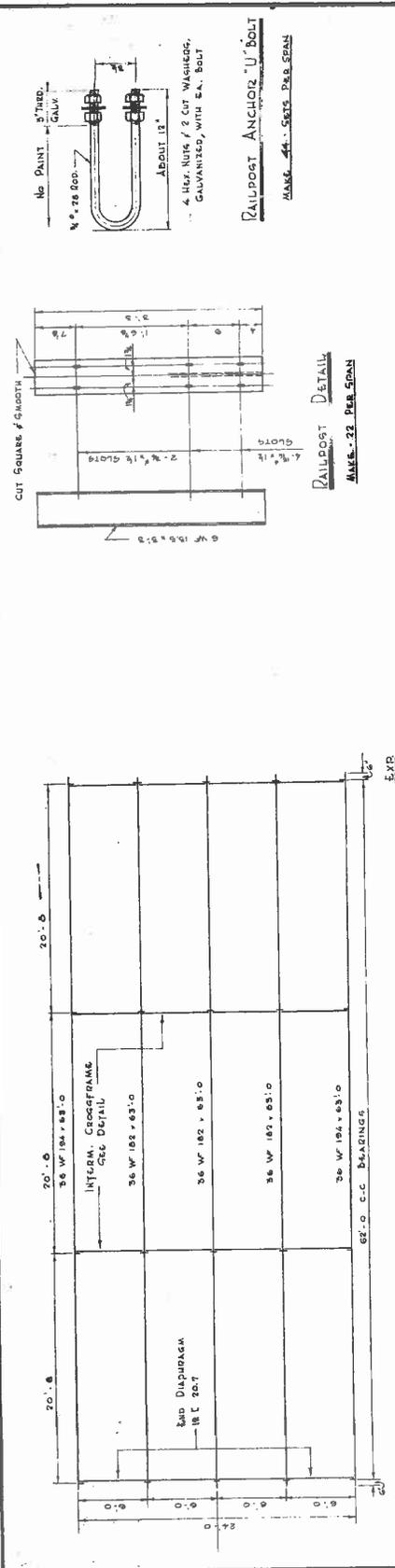
BY

CHECKED

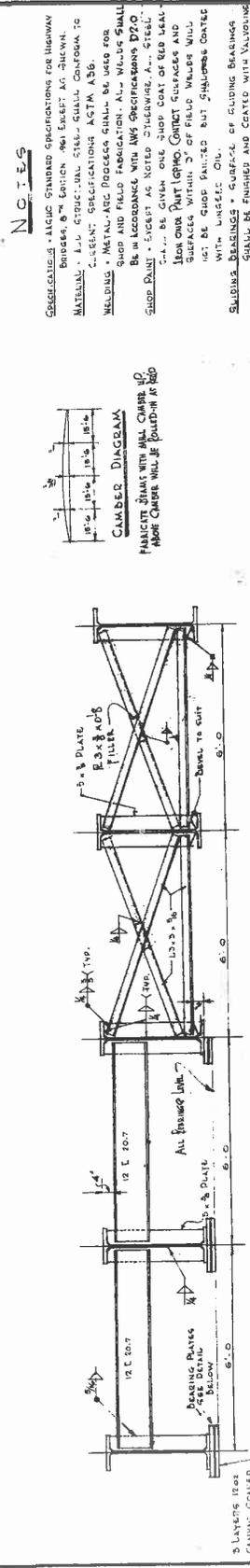
APPROVED

SCALE

NO. 2155-13

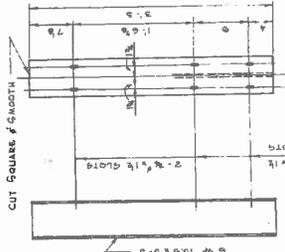
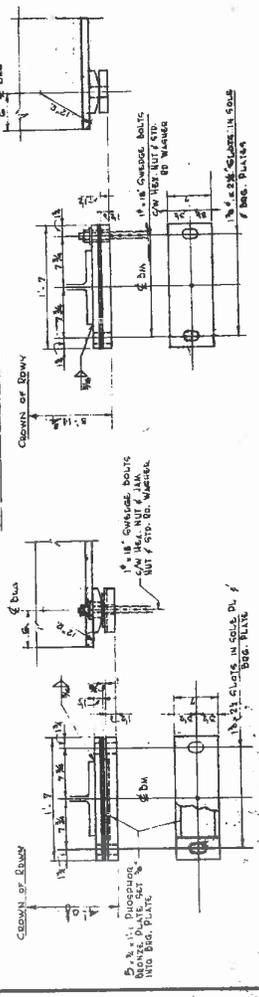


STEEL LAYOUT
SCALE 1/8" = 1'-0"

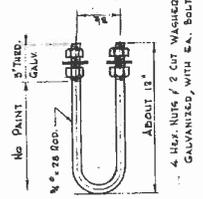


HALF SECTION AT END DIAPHRAGM

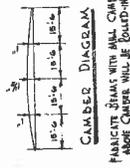
HALF SECTION AT INTERM. CF



RAILPOST DETAIL
SCALE 1/2" = 1'-0"



RAILPOST ANCHOR U-BOLT
SCALE 1/2" = 1'-0"



CAMBER DIAGRAM
CAMBER SHALL BE IN ACCORDANCE WITH AISC SPECIFICATIONS D7.0.

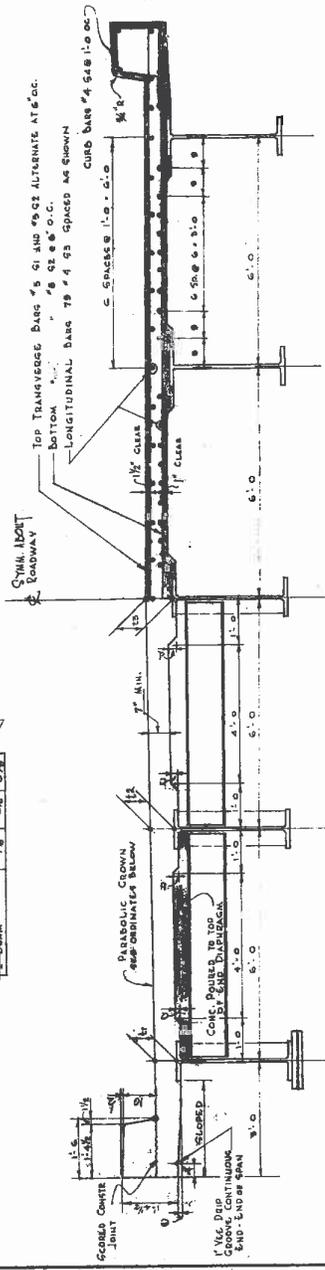
NOTES

1. SPECIFICATIONS - AISC STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 6TH EDITION, AREA EXCEPT AS SHOWN.
 2. MATERIAL - ALL STRUCTURAL STEEL SHALL CONFORM TO CURRENT SPECIFICATIONS ASTM A36.
 3. WELDING - METAL-ARC PROCESS SHALL BE USED FOR SHOP AND FIELD FABRICATION. ALL WELDS SHALL BE IN ACCORDANCE WITH AISC SPECIFICATIONS D7.0.
 4. SHOP PAINT - EXCEPT AS NOTED OTHERWISE, ALL STEEL SURFACES WITHIN 5' OF FIELD WELDS SHALL NOT BE SHOP PAINTED BUT SHALL BE COATED WITH UNLESSIC OIL.
 5. SLIDING BEARINGS - SURFACES OF SLIDING BEARINGS SHALL BE FINISHED AND COATED WITH UNLESSIC OIL.
 6. ALL DIMENSIONS SHALL BE EQUIVALENT FRACTIONS OR DECIMALS CONFORM TO ASTM D-400-15 UNLESS OTHERWISE NOTED.
 7. ALL DIMENSIONS IN DIRECTION OF ACTION SHALL BE FINISHED TO ACT IN ACCORDANCE WITH AISC SPECIFICATIONS D7.0.
 8. ANCHOR BOLTS - "GRIPLOCK" OR OTHER APPROVED TYPE OF BOLTS MAY BE SUPPLIED IN LIEU OF STANDARD BOLTS.

NO.	REVISION	DATE	BY	CHKD.	APP'D.
1	AS SHOWN				
2	AS SHOWN				
3	AS SHOWN				
4	AS SHOWN				
5	AS SHOWN				
6	AS SHOWN				
7	AS SHOWN				
8	AS SHOWN				
9	AS SHOWN				
10	AS SHOWN				
11	AS SHOWN				
12	AS SHOWN				

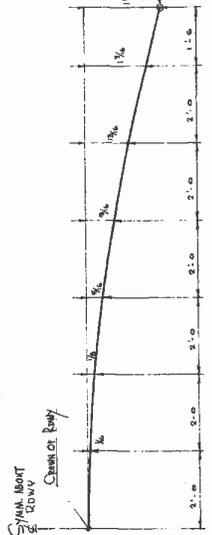
CHAS. WEST, PE, CIVIL ENGINEER

DIMENSION	1	2	3
COMPOSITE T-BEAM	1.5	6	1.5
SLAB	1.5	6	1.5
SPACING	1.5	6	1.5

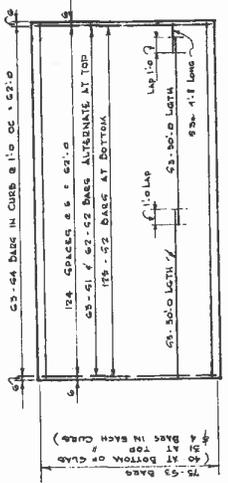


DIMENSION	1	2	3	4	5	6	7	8
COMPOSITE T-BEAM	1.5	6	1.5	1.5	1.5	1.5	1.5	1.5
SLAB	1.5	6	1.5	1.5	1.5	1.5	1.5	1.5
SPACING	1.5	6	1.5	1.5	1.5	1.5	1.5	1.5

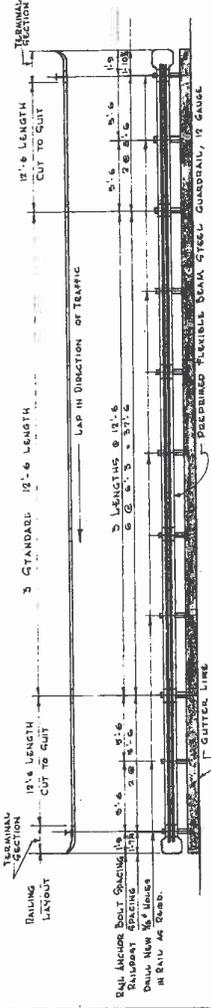
ROADWAY SECTION
SCALE: 1/4" = 1'-0"



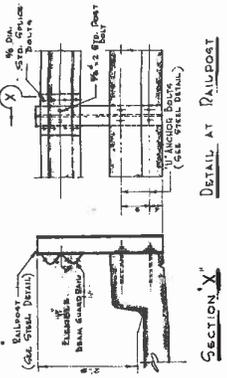
1/2 PARABOLIC CROWN ORDINATES



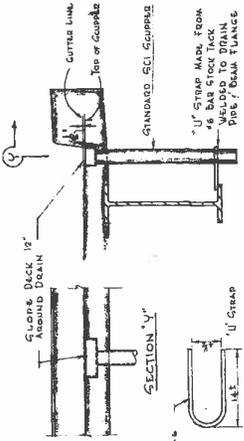
REINFORCING LAYOUT



RAILING LAYOUT & POST SPACING
SCALE: 1/4" = 1'-0"



SECTION X



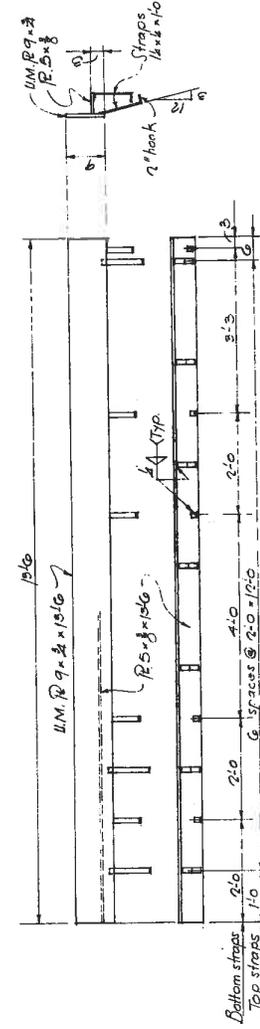
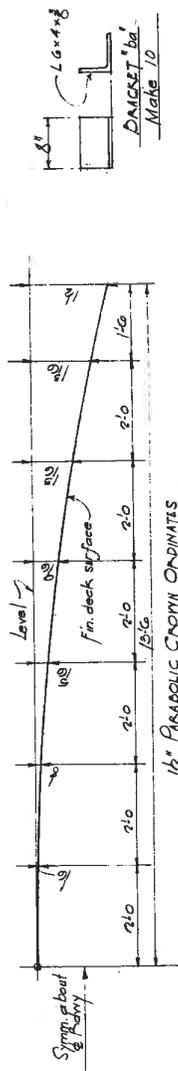
DETAIL AT DRAIN SCUPPER
SCALE: 1/4" = 1'-0"

REFERENCE DRAWINGS	CONCRETE DECK
STRUCTURAL STEEL DRAWING SCHEDULE	2135-1A/2135-1B
DECK SCHEDULE	2135-1C

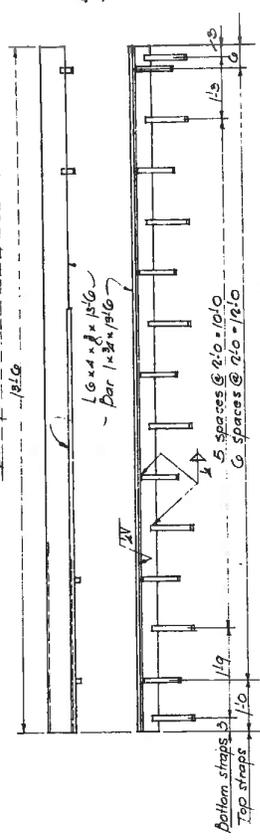
ESTIMATED QUANTITIES	
CONCRETE CLASS Y (45)	48000
REINFORCING STEEL	107200
PLY-BEAM GR STD. LENGTHS 12'-6"	10
TERMINAL SECTIONS	2
SCUPPERS & CI	4 (200) / 4 (200)

DEPARTMENT OF NATIONAL DEFENSE (LANS)	
DATE	10/25/54
BY	W. H. PETERSEN
FOR	CONCRETE DECK
PROJECT	CONCRETE DECK
NO.	2135-1G

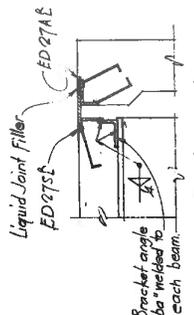
AS BUILT
REVISED: NOV. 25, 1954



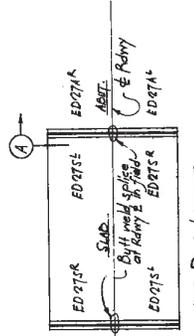
ED 2715A - Make 2 as shown
 ED 2715E - Make 2 opp hand



ED 2716A - Make 2 as shown
 ED 2716E - Make 2 opp hand



EXP. JOINT AT ABUT



TYPICAL SECTION A-A
 No scale

Material: ASTM A36 current ed.
 Paint: Surfaces in contact with concrete - no paint, otherwise one stop coat of red lead-iron oxide paint (150%)

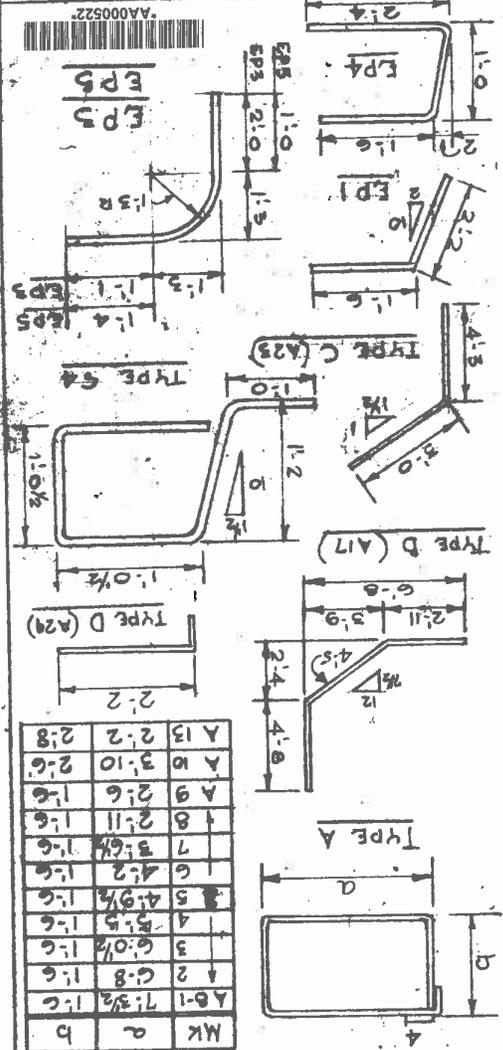
Item	Calc. Mtl. Req'd.	Total Wt.
ED 2715A	267.4	557.6
ED 2715E	20.2	65.6
1 Ba*	8.24	52.4
TOTAL		675.6

REVISION		DEPARTMENT OF NATIONAL DEFENSE (ARMY)	
NO.	DATE	WORKING TITLE	PROJECT TITLE
1		EXPANSION DAM DETAIL	EXPANSION DAM DETAIL
2			
3			
4			
5			
6			
7			
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9			
10			
11			
12			

DWG. No. 3400-60

Project: **DECK & ABUTMENT REINFORCEMENT**
 For: **STEEL SCHEDULE**
 Inspected by: _____
 Date: _____
 Prepared by: _____
 Checked by: _____
 Approved by: _____
 Date: _____

TOTAL CALC. WEIGHT: 20,206 LBS



STANDARD HOOK DETAIL

G = length of bar to be added to out-out dimension to make hook

#11	17	10	10 3/4
#10	15	9	11 1/4
#9	13	8	10 1/4
#8	11	8	9
#7	10	5 1/2	7
#6	8	4 1/2	6
#5	7	3 1/2	5
#4	6	3	4
#3	6	3	4
#2	6	3	4
#1	6	3	4

All dimensions are out to out of bar unless otherwise indicated.

MARK	SIZE	LENGTH	NO. OF BARS	TOTAL LENGTH	WEIGHT
A10	#4	12-11	2	24-22	100
A11	#4	12-11	2	24-22	100
A12	#4	35-8	2	71-6	280
A13	#4	35-8	2	71-6	280
A14	#4	18-4	12	220-8	840
A15	#4	12-0	4	48-0	168
A16	#4	7-3	4	29-2	117
A17	#4	2-6	0	0-0	0
A18	#4	2-6	0	0-0	0
A19	#4	3-8	4	15-2	57
A20	#4	5-0	6	30-0	112
A21	#4	4-8	8	38-4	144
A22	#4	4-11	8	44-8	168
A23	#4	4-10	4	16-0	60
A24	#4	7-0	8	56-0	210
A25	#4	6-4	4	25-6	96
A26	#4	5-9	4	23-6	88
A27	#4	5-1	4	20-4	76
A28	#4	4-2	12	50-4	180
A29	#4	2-8	8	22-4	84
A1	#4	17-10	2	34-20	128
A2	#4	16-7	2	33-4	124
A3	#4	15-4	2	30-8	114
A4	#4	14-1	2	28-2	106
A5	#4	12-10	2	24-20	90
A6	#4	11-4	2	22-8	84
A7	#4	10-4	2	20-8	76
A8	#4	9-1	2	18-2	68
A9	#4	8-6	12	103-2	384
A10	#4	8-6	12	103-2	384
A11	#4	8-6	12	103-2	384
A12	#4	8-6	12	103-2	384
A13	#4	8-6	12	103-2	384
A14	#4	8-6	12	103-2	384
A15	#4	8-6	12	103-2	384
A16	#4	8-6	12	103-2	384
A17	#4	8-6	12	103-2	384
A18	#4	8-6	12	103-2	384
A19	#4	8-6	12	103-2	384
A20	#4	8-6	12	103-2	384
A21	#4	8-6	12	103-2	384
A22	#4	8-6	12	103-2	384
A23	#4	8-6	12	103-2	384
A24	#4	8-6	12	103-2	384
A25	#4	8-6	12	103-2	384
A26	#4	8-6	12	103-2	384
A27	#4	8-6	12	103-2	384
A28	#4	8-6	12	103-2	384
A29	#4	8-6	12	103-2	384
TOTALS	#4 BARS		548	11,072	418
TOTALS	#5		7105	7411	273
TOTAL FOR ONE DECK				11,072	418

REINFORCING STEEL CUTTING & BENDING SCHEDULE

STRAIGHT BARS

BENT BARS

NOTES: 1. Material: Billet steel, intermediate grade, deformed type in accordance with CSA G30.1 & G30.2. Shop bent bars that be bundled by Mark; each bundled tagged to indicate Mark, total No. and name of Project.