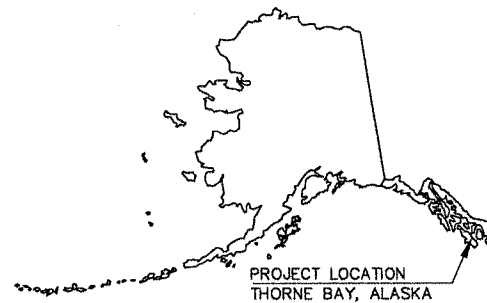


STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES



YEAR	STATE	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
2010	ALASKA	CA-0929(3)/68707	A1	16
ROUTE: THORNE BAY ROAD MILEPOINT: 5.1 to 13.0				

INDEX OF SHEETS

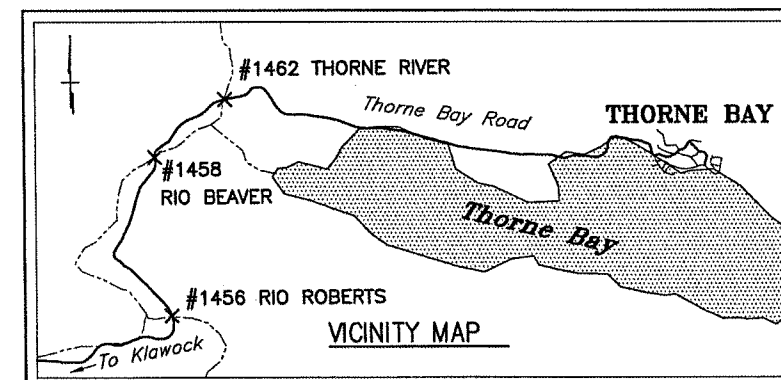
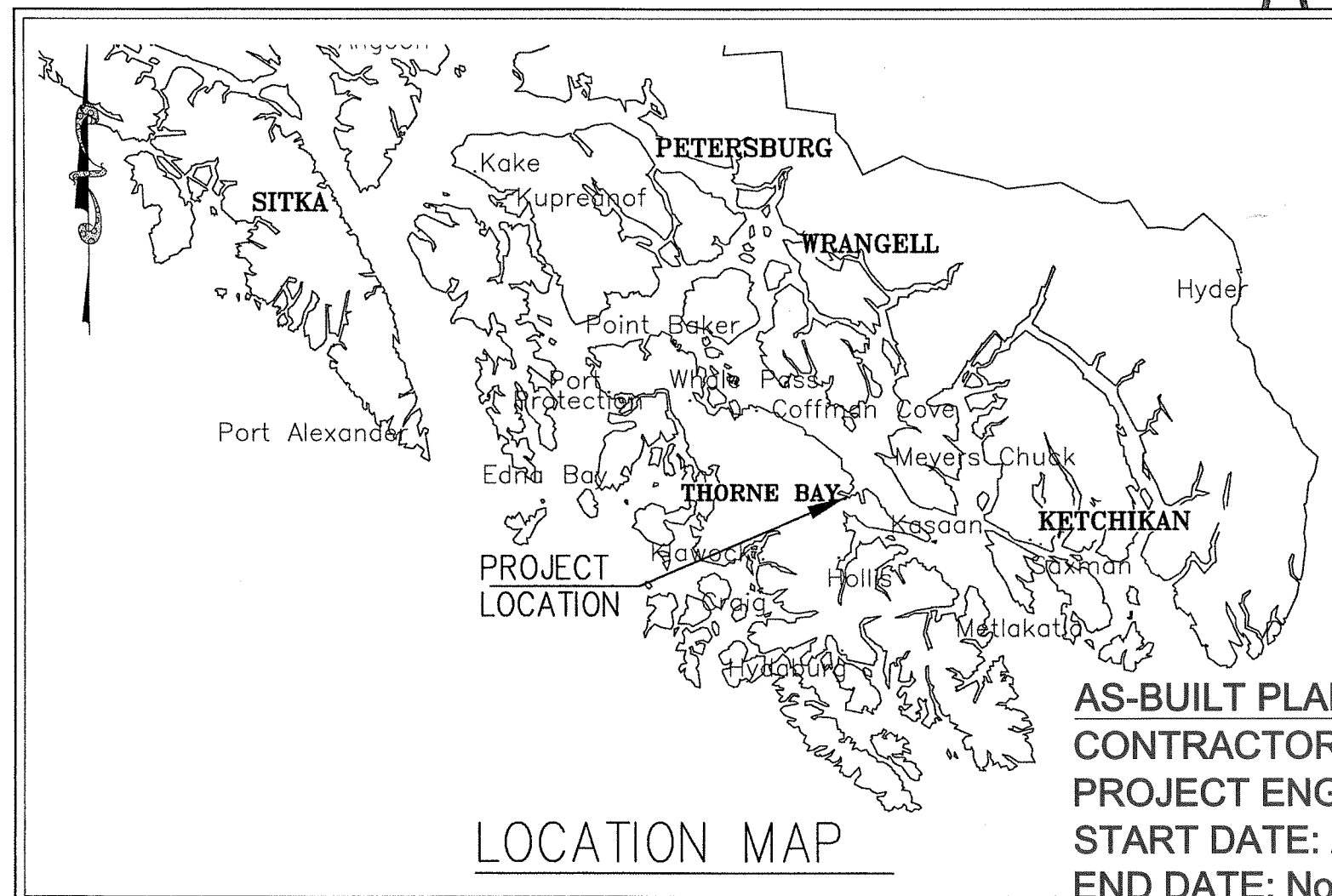
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	SITE PLAN
C1	ESTIMATE OF QUANTITIES
L1	BRIDGE BASIS OF ESTIMATE
L2	RIO ROBERTS BRIDGE GENERAL LAYOUT
L3	RIO BEAVER BRIDGE GENERAL LAYOUT
L4	THORNE RIVER BRIDGE GENERAL LAYOUT
L5	EXISTING TYPICAL SECTION & DETAILS
L6	EXISTING DECK PANEL LAYOUT
L7	EXISTING ABUTMENT DETAILS
L8	PROFILES AND PAVING DETAILS
S1-S2	TRAFFIC CONTROL PLANS
T1-T3	EROSION & SEDIMENT CONTROL PLANS

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-1	C-05.10	E-13.00	G-00.01
G-04.06S	G-09.04	G-10.01	G-46.01
M-16.01	S-05.01	S-20.10	T-06.00
T-21.02			

POW — THORNE BAY ROAD BRIDGES PAINTING

PROJECT NO. CA-0929(3)/68707



PROJECT AS-BUILT DRAWINGS HAVE
BEEN REVIEWED BY THE PROJECT
ENGINEER AND REPRESENT TO THE
BEST OF MY KNOWLEDGE THE
PROJECT AS CONSTRUCTED.
PE: DK DATE: 5/29/13

AS-BUILT PLANS

CONTRACTOR: POOL ENGINEERING, INC.

PROJECT ENGINEER: ALLEN SHEPARD

START DATE: APRIL 28, 2011

END DATE: November 8, 2012

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES



RECOMMENDED FOR APPROVAL

Victor M. Winters DATE 8-16-10

VICTOR M. WINTERS, P.E.

SE REGION PRE-CONSTRUCTION ENGINEERING CHIEF

Allen Shepard DATE 8-16-10

GARY L. DAVIS

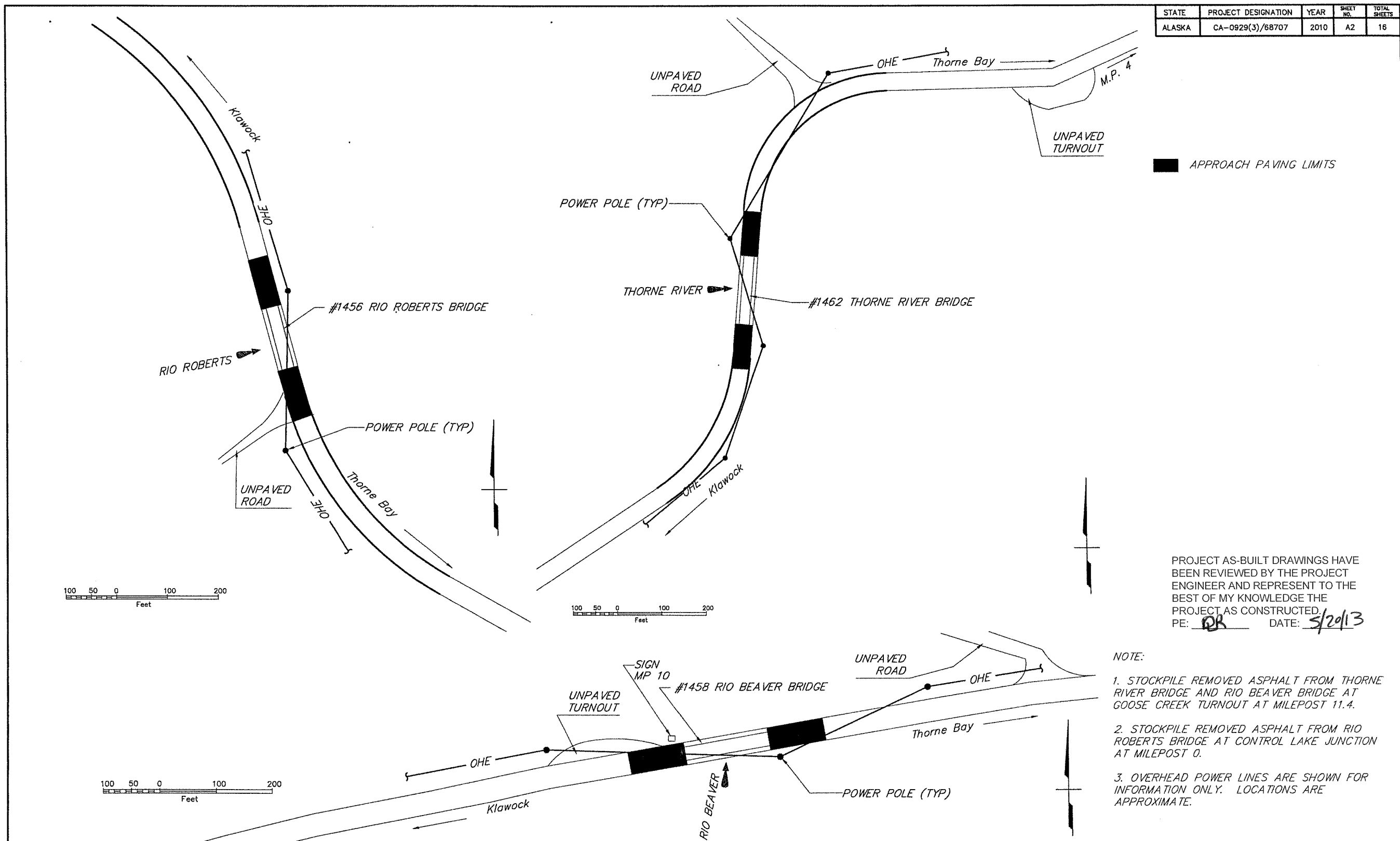
DIRECTOR, SE REGION DESIGN AND CONSTRUCTION

CERTIFIED TRUE AND CORRECT AS-BUILT OF ACTUAL FIELD CONDITIONS

Allen Shepard DATE 6/29/13

CONSTRUCTION PROJECT MANAGER

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	CA-0929(3)/68707	2010	A2	16



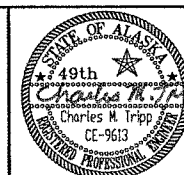
PROJECT AS-BUILT DRAWINGS HAVE BEEN REVIEWED BY THE PROJECT ENGINEER AND REPRESENT TO THE BEST OF MY KNOWLEDGE THE PROJECT AS CONSTRUCTED.
 PE: DB DATE: 5/20/13

NOTE:

1. STOCKPILE REMOVED ASPHALT FROM THORNE RIVER BRIDGE AND RIO BEAVER BRIDGE AT GOOSE CREEK TURNOUT AT MILEPOST 11.4.
2. STOCKPILE REMOVED ASPHALT FROM RIO ROBERTS BRIDGE AT CONTROL LAKE JUNCTION AT MILEPOST 0.
3. OVERHEAD POWER LINES ARE SHOWN FOR INFORMATION ONLY. LOCATIONS ARE APPROXIMATE.

DESIGNED BY: S. Schlichting	CHECKED:	LAYOUT BY:	CHECKED BY:
DRAWN BY: S. Schlichting	CHECKED:	SPECIFICATIONS BY:	P S & E COMPARED:
QUANTITIES BY:	CHECKED:	APPROVAL RECOMMENDED BY:	

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 BRIDGE SECTION



POW THORNE BAY ROAD BRIDGES PAINTING
 THORNE BAY ROAD
SITE PLAN

 1456
 1458
 BRIDGE NO. 1462
 DWG. NO. A2

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	CA-0929(3)/68707	2010	C1	16

ESTIMATE OF QUANTITIES			
ITEM NUMBER	ITEM DESCRIPTION	PAY UNIT	QUANTITY
202(2)	Removal of Pavement	Square Yard	3000 2768
202(13)	Remove and Reinstall Timber Deck and Bridge Railing	Lump Sum	All Required
203(6)	Borrow	Ton	108.3 -40
203(19)	Unclassified Excavation	Lump Sum	All Required
401(1)	Asphalt Concrete, Type II, Class B	Ton	686.23 598
401(2)	Asphalt Cement, Type PG 58-28	Ton	41.67 -36
402(1)	STE-1 Asphalt For Tack Coat	Ton	1.59 -2
506(1)	Treated Timber	Lump Sum	All Required
506(5)	Timber Deck Repair	Square Foot	10 -120
508(1)	Waterproofing Membrane	Lump Sum	All Required
513(1)	Field Painting of Steel Structures	Lump Sum	All Required
633(1)	Silt Fence	Linear Foot	400 -313
638(1)	Straw Wattles	Linear Foot	450 400
640(1)	Mobilization And Demobilization	Lump Sum	All Required
640(4)	Worker Meals and Lodging, or Per Diem	Lump Sum	All Required
641(1)	Erosion, Sediment And Pollution Control Administration	Lump Sum	All Required
641(4)	Temporary Erosion, Sediment And Pollution Control Amendments	Contingent Sum	All Required
641(5)	Erosion, Sediment And Pollution Control Price Adjustment	Contingent Sum	All Required
642(11)	Adjust Existing Monument Case	Each	1
642(13)	Bridge Survey	Lump Sum	All Required
643(2)	Traffic Maintenance	Lump Sum	All Required
643(15)	Flagging	Contingent Sum	All Required
643(25)	Traffic Control	Contingent Sum	All Required
643(29)	Concrete Barrier End Treatments	Lump Sum	All Required
644(1)	Field Office	Lump Sum	All Required
644(6)	Vehicles	Lump Sum	All Required
660(7)	Temporary Signal System Complete	Lump Sum	All Required
670(1)	Painted Traffic Markings	Lump Sum	All Required
670(8)	Recessed Pavement Marker	Each	16
506(6)	Deck Panel Relief Cutting	Lump Sum	All Required
506(7)	Treated Timber Repair	Lump Sum	All Required

BASIS OF ESTIMATE			
ITEM NUMBER	ITEM	ESTIMATING FACTOR	
202(13)	Remove and Reinstall Timber Deck and Bridge Railing	10,500 SF	
203(19)	Unclassified Excavation	540 CY	
401(1)	Asphalt Concrete, Type II, Class B	120 lb/sy/in	
401(2)	Asphalt Cement, Type PG 58-28	6.0% of 401(1)	
402(1)	STE-1 Asphalt For Tack Coat	0.1 Gal/S.Y.	243 GAL/TON
506(1)	Treated Timber	13 Board Feet	
508(1)	Waterproofing Membrane	1168 SY	
513(1)	Field Painting of Steel Structures	39,160 SF	

PROJECT AS-BUILT DRAWINGS HAVE BEEN REVIEWED BY THE PROJECT ENGINEER AND REPRESENT TO THE BEST OF MY KNOWLEDGE THE PROJECT AS CONSTRUCTED.
PE: DR DATE: 5/20/13

DESIGNED BY: <u>Steve Lee</u>	CHECKED: <u>George Imbsen</u>
DRAWN BY: <u>C. Anderson</u>	CHECKED: <u>Steve Lee</u>
QUANTITIES BY: <u>Steve Lee</u>	CHECKED: <u>George Imbsen</u>

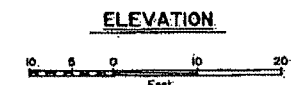
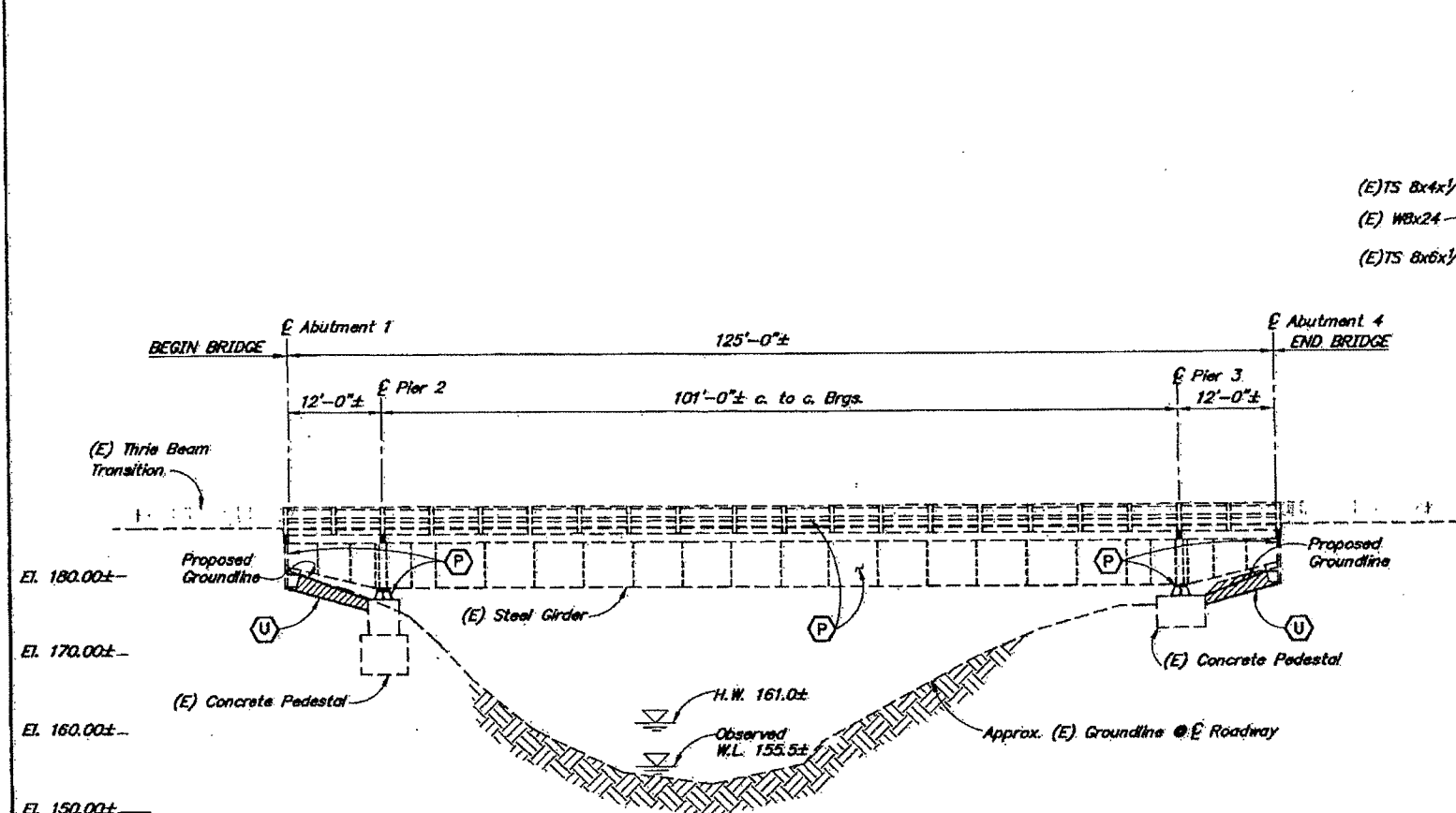
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION



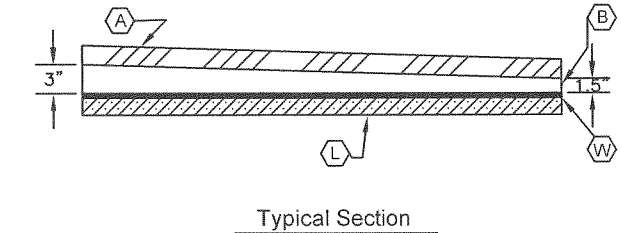
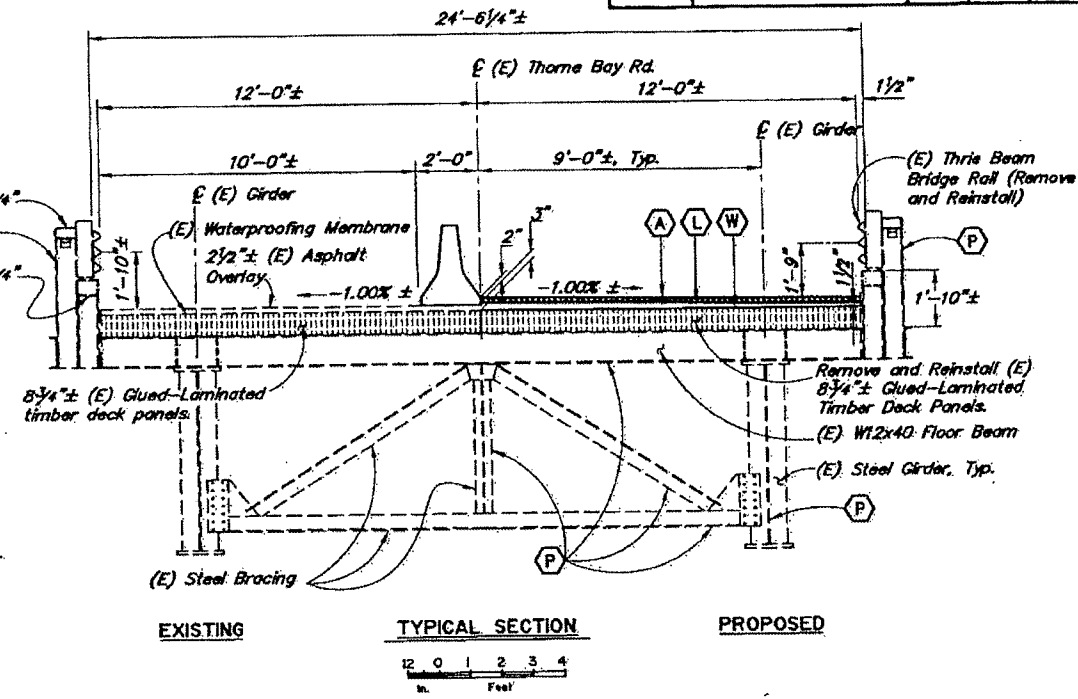
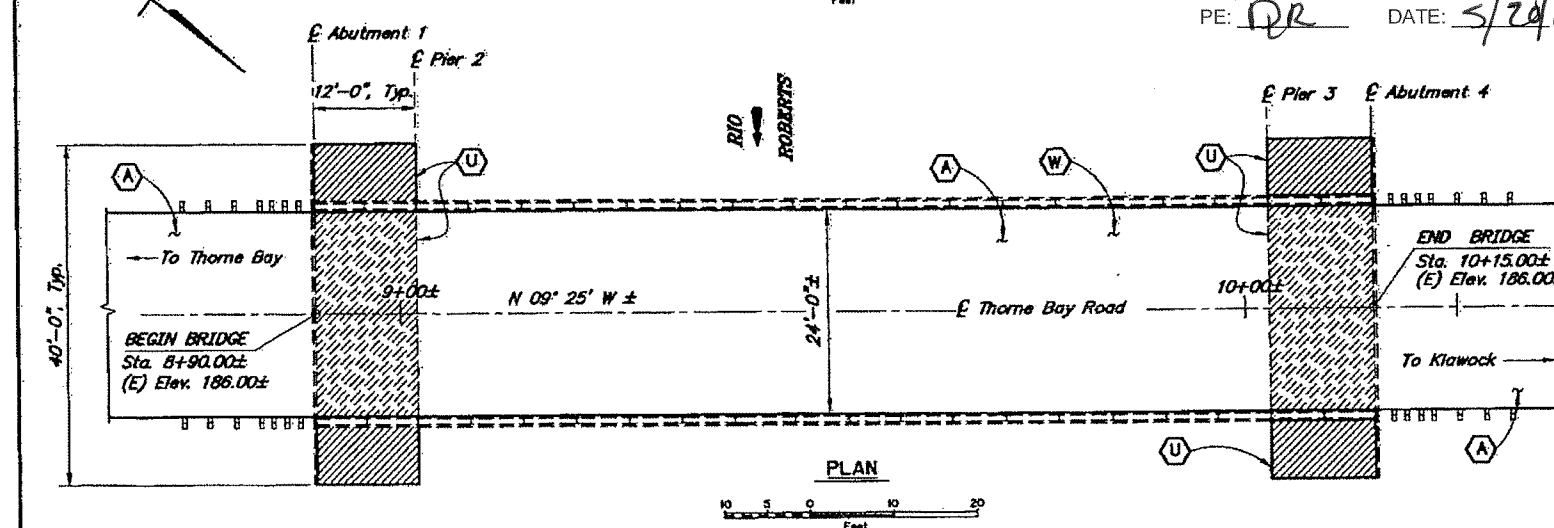
POW THORNE BAY ROAD BRIDGES PAINTING
THORNE BAY ROAD
ESTIMATE OF QUANTITIES

 1456
BRIDGE NO. 1458
DWG. NO. C1

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	CA-0929(3)/68707	2010	L2	16



PROJECT AS-BUILT DRAWINGS HAVE BEEN REVIEWED BY THE PROJECT ENGINEER AND REPRESENT TO THE BEST OF MY KNOWLEDGE THE PROJECT AS CONSTRUCTED.
 PE: DR DATE: 5/24/13



- LEGEND**
- (A) = 2" Asphalt Concrete Type II, Class B, Overlay
 - (L) = Asphalt Concrete Type II, Class B, Leveling Course
 - (P) = Painting
 - (U) = Unclassified Excavation
 - (W) = Waterproofing Membrane
 - (B) = Asphalt Concrete Type II, Class B
- NOTES:**
- (E) = Existing
 - ± = Existing
 - = Existing
 - = Proposed

TITLE	DWG. NO.
BRIDGE BASIS OF ESTIMATE	L1
RIO ROBERTS BRIDGE GENERAL LAYOUT	L2
RIO BEAVER BRIDGE GENERAL LAYOUT	L3
THORNE RIVER BRIDGE GENERAL LAYOUT	L4
EXISTING TYPICAL SECTION & DETAILS	L5
EXISTING DECK PANEL LAYOUT	L6
EXISTING ABUTMENT DETAILS	L7
PROFILES AND PAVING DETAILS	L8

See "EROSION AND SEDIMENT CONTROL PLAN" Dwg. prior to unclassified excavation.

Elevation, Bearings and Dimensions are based on "CONTRACT" plans of the existing bridge.

Verify all controlling field dimensions before ordering or fabricating any material.

Approximate quantity of existing Structural Steel = 140,725 Lbs.

DESIGNED BY: <u>Steve Lee</u>	CHECKED: <u>George Imbse</u>
DRAWN BY: <u>Cathy Anderson</u>	CHECKED: <u>Steve Lee</u>
QUANTITIES BY: <u>Steve Lee</u>	CHECKED: <u>George Imbse</u>

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 BRIDGE SECTION



POW THORNE BAY ROAD BRIDGE PAINTING
 THORNE BAY ROAD
 RIO ROBERTS BRIDGE GENERAL LAYOUT

BRIDGE NO. 1456
DWG. NO. L2

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	CA-0829(3)/65707	2010	L1	16

BRIDGE BASIS OF ESTIMATE

ITEM NO.	ITEM	PAY UNIT	ESTIMATING UNIT	Br. No. 1456	Br. No. 1458	Br. No. 1462	SUBST.	SUPERST.	TOTAL
202(2)	Removal of Pavement	SY	SY	867	934	967		2,768	2,768
202(13)	Remove and Reinstall Timber Deck and Bridge Railing	LS	SF	3,000	3,600	3,900		10,500	10,500
203(6)	Borrow	Ton	Ton		40			40	
203(19)	Unclassified Excavation	LS	CY	180	130	230		540	540
401(1)	Asphalt Concrete, Type II, Class B	Ton	Ton	185	202	211		598	598
401(2)	Asphalt Cement, Grade 58-28	Ton	Ton	11.1	12.1	12.7		36	36
402(1)	STE-1 Asphalt for Tack Coat	Ton	Ton	0.36	0.38	0.40		2	2
506(1)	Treated Timber	LS	MBM			0.013	0.013		0.013
506(5)	Timber Deck Repair	SF	SF	40	40	40		120	120
508(1)	Waterproofing Membrane	LS	SY	334	400	434		1,168	1,168
513(1)	Field Painting of Steel Structures	LS	SF	10,680	13,560	14,920	2,990	36,170	39,160
642(11)	Adjust Existing Monument Case	EA	EA			1		1	1
642(13)	Bridge Survey	LS	LS						All Req'd.

Item numbers are for reference only. Quantities shown are not necessarily the pay quantities nor the total quantity of the particular item.

GENERAL NOTES

DESIGN:.....AASHTO Standard Specifications for Highway Bridges, 17th Edition, 2002, with latest interim specifications.

CONSTRUCTION:.....State of Alaska DOT/PF Standard Specifications for Highway Construction 2004 with Standard Modifications and Special Provisions.

LIVE LOAD:.....See "AS-BUILT" Drawings.

CONCRETE:.....Use Class A Concrete unless otherwise noted, $f_c = 4,000$ psi.

REINFORCEMENT:.....ASTM A706, $F_y = 60,000$ psi.
2" Clear cover to all reinforcing steel for cast-in-place concrete unless otherwise noted.

TIMBER BOLTED CONNECTIONS:.....Galvanized ASTM A307. Meet AASHTO M232.

TREATED TIMBER:.....All lumber and timbers shall be Coast Region Douglas Fir or Western Larch conforming to NWPA Western Grading Rules 1998, No.1 Grade or better. All lumber and timbers shall be completely and accurately fabricated before pressure treatment by the empty-cell process with Copper Naphthenate in heavy-oil (AWPA P8-97). Dimensions stated for timber are nominal dimensions.

ABBREVIATIONS

Abut.....Abutment
BB.....Begin Bridge
Bc.....Bridge
Brg.....Bearing
c-c.....center to center
CF.....Cubic Foot
E.....Centerline
Clr.....Clear, clearance
conc.....concrete
const.....construction
Ck.....Creek
CIP.....Cast-In-Place
CS.....Contingent Sum
CY.....Cubic Yard
EA.....Each
EB.....End Bridge or Eastbound
Elev.....Elevation
(E).....Existing
Exist.....Existing
Exp Jt.....Expansion Joint
of.....each face
es.....each side
ft.....for face
ft.....foot or feet
ftg.....footing
Galv.....Galvanized
Horiz.....Horizontal
HS.....High Strength
Hwy.....Highway
H.W.....High Water
Jt.....Joint
LB.....Pound
LF.....Linear Feet
LS.....Lump Sum
Lt.....Left
Max.....Maximum
MBM.....Thousand Feet Board Measure
Min.....Minimum
Misc.....Miscellaneous
Mtl.....Material
nf.....near face
No.....Number
OC.....Overcrossing
OH.....Overhead
PG.....Profile Grade
R.....Radius
Reinf.....Reinforced or Reinforcing
Rt.....Right
Rdwy.....Roadway
Sht.....Sheet
S.F.....Square Feet or Foot
S.Y.....Square Yard
St.....Street
STA, Sta.....Station
Std.....Standard
Str.....Structure
TS.....Tube Shape
Typ.....Typical
UC.....Undercrossing
UCT.....Underground Telephone
UP.....Underpass
Vert.....Vertical
W.L.....Water Level

PROJECT AS-BUILT DRAWINGS HAVE BEEN REVIEWED BY THE PROJECT ENGINEER AND REPRESENT TO THE BEST OF MY KNOWLEDGE THE PROJECT AS CONSTRUCTED.
PE: DR DATE: 5/20/13

DESIGNED BY: Steve Lee	CHECKED: George Imbier
DRAWN BY: C. Anderson	CHECKED: Steve Lee
QUANTITIES BY: Steve Lee	CHECKED: George Imbier

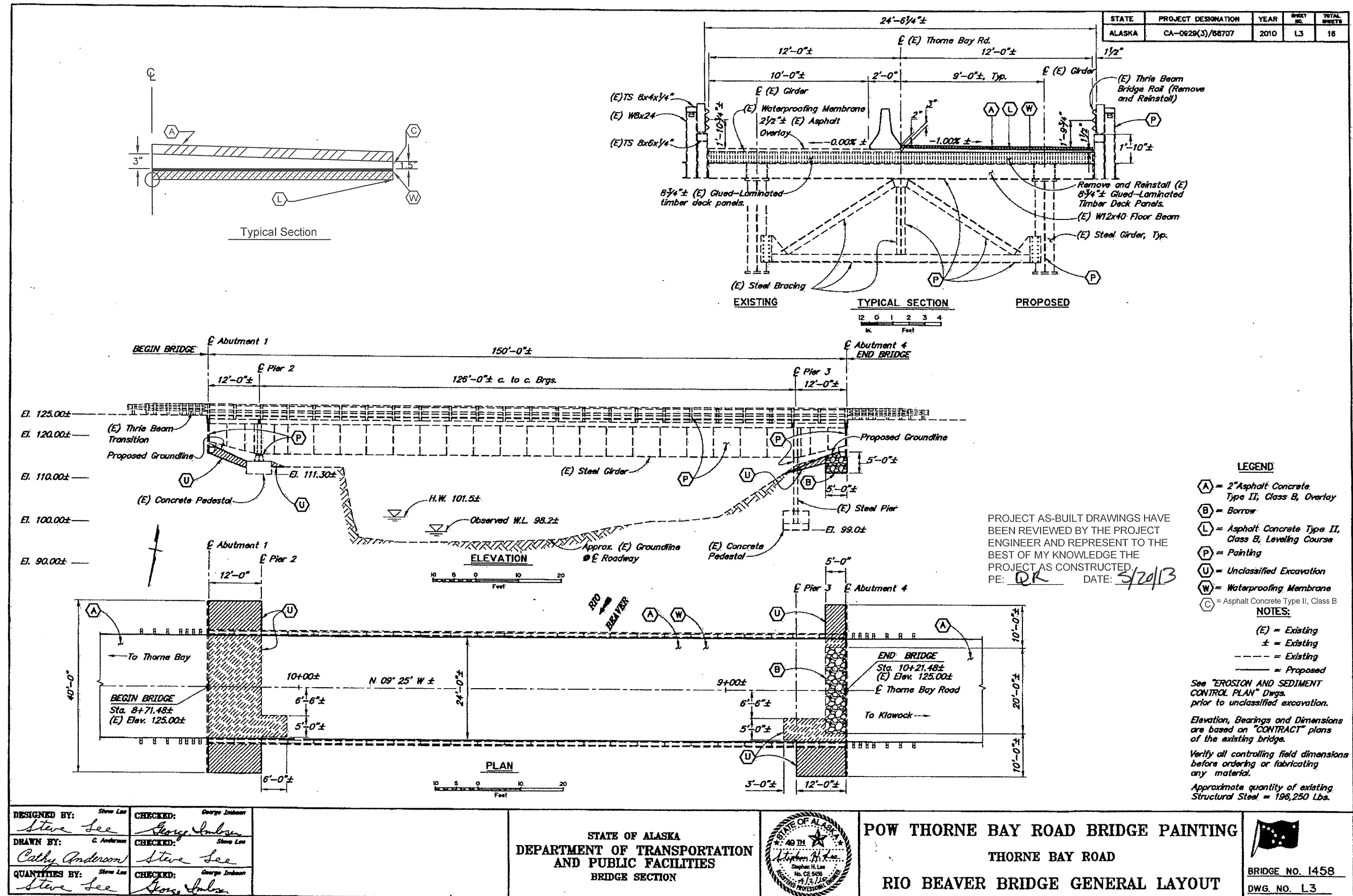
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION



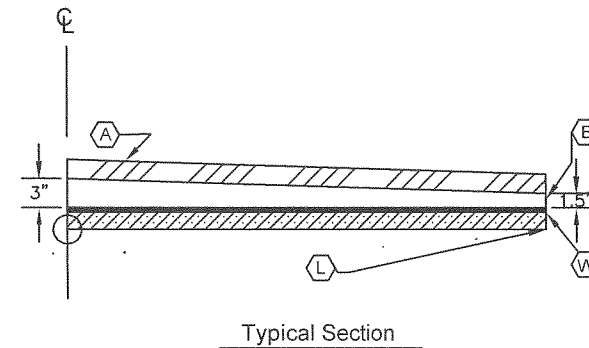
POW THORNE BAY ROAD BRIDGE PAINTING
THORNE BAY ROAD
BRIDGE BASIS OF ESTIMATE



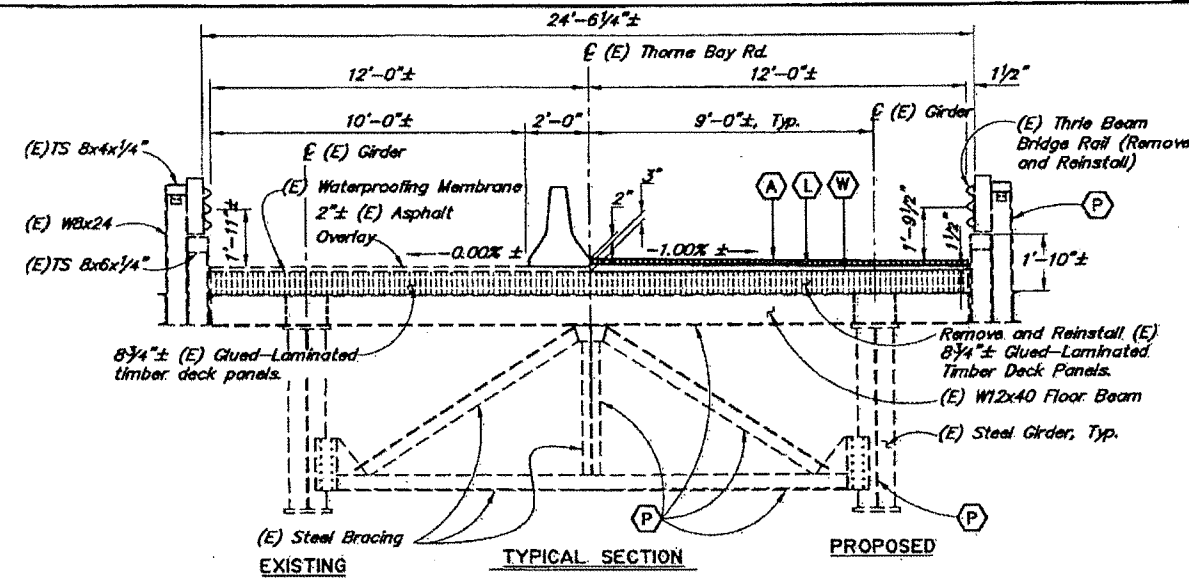
1456
1458
BRIDGE NO. 1462
DWG. NO. L1



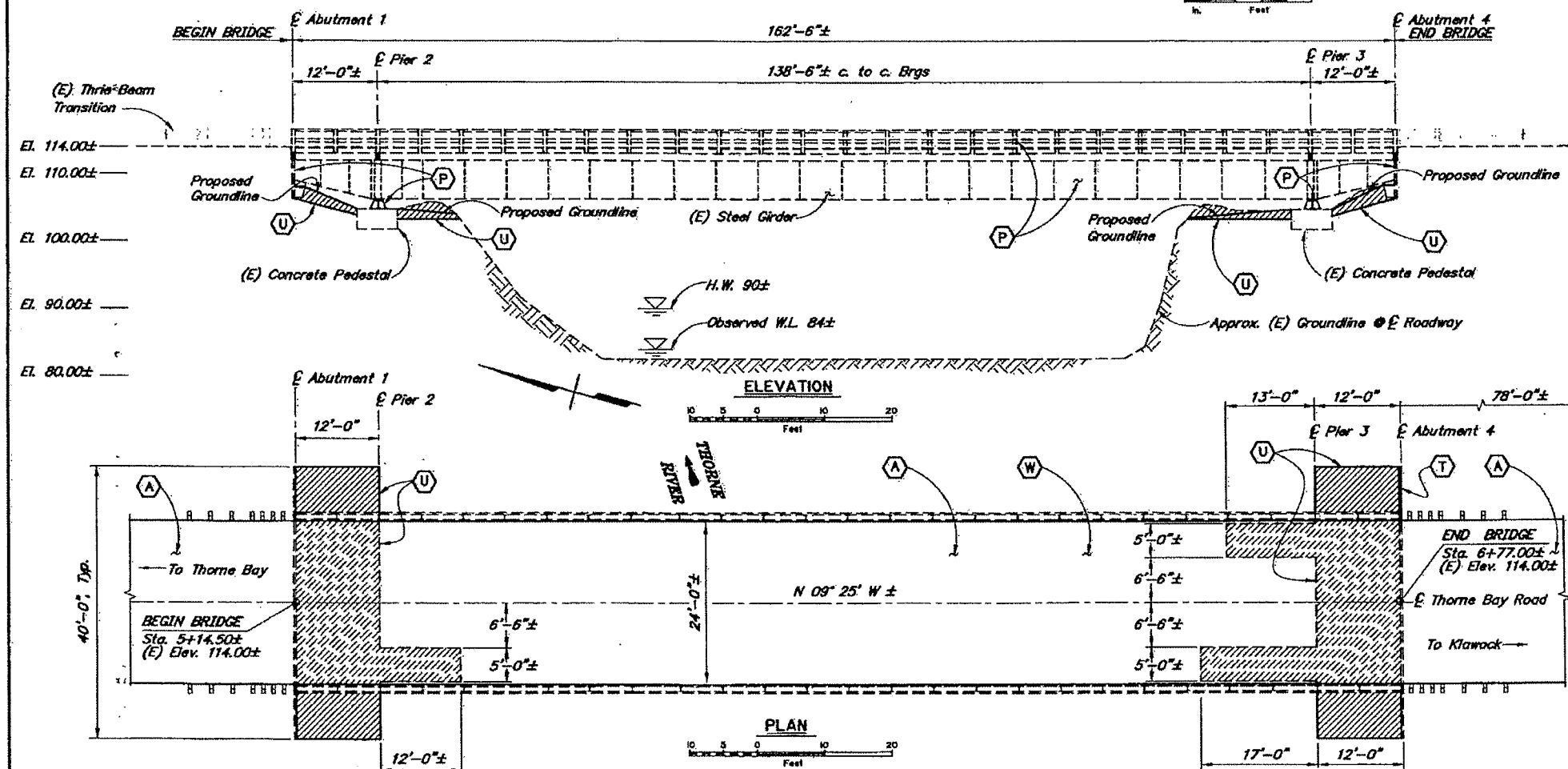
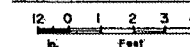
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	CA-0929(3)/88707	2010	L4	16



Typical Section



TYPICAL SECTION



PROJECT AS-BUILT DRAWINGS HAVE BEEN REVIEWED BY THE PROJECT ENGINEER AND REPRESENT TO THE BEST OF MY KNOWLEDGE THE PROJECT AS CONSTRUCTED.
PE: DR DATE: 5/20/13

LEGEND

- (A) = 2" Asphalt Concrete Type II, Class B, Overlay
- (L) = Asphalt Concrete Type II, Class B, Leveling Course
- (P) = Painting
- (T) = Treated Timber
- (U) = Unclassified Excavation
- (W) = Waterproofing Membrane
- (B) = Asphalt Concrete Type II, Class B

NOTES:

- (E) = Existing
- ± = Existing
- = Existing
- = Proposed

See "EROSION AND SEDIMENT CONTROL PLAN" Dwg. prior to unclassified excavation.

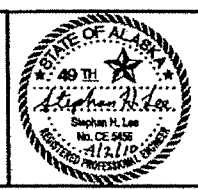
Elevation, Bearings and Dimensions are based on "CONTRACT" plans of the existing bridge.

Verify all controlling field dimensions before ordering or fabricating any material.

Approximate quantity of existing Structural Steel = 230,870 Lbs.

DESIGNED BY: Steve Lee	CHECKED: George Imboden
DRAWN BY: Cathy Anderson	CHECKED: Steve Lee
QUANTITIES BY: Steve Lee	CHECKED: George Imboden

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION



POW THORNE BAY ROAD BRIDGE PAINTING
THORNE BAY ROAD
THORNE RIVER BRIDGE GENERAL LAYOUT

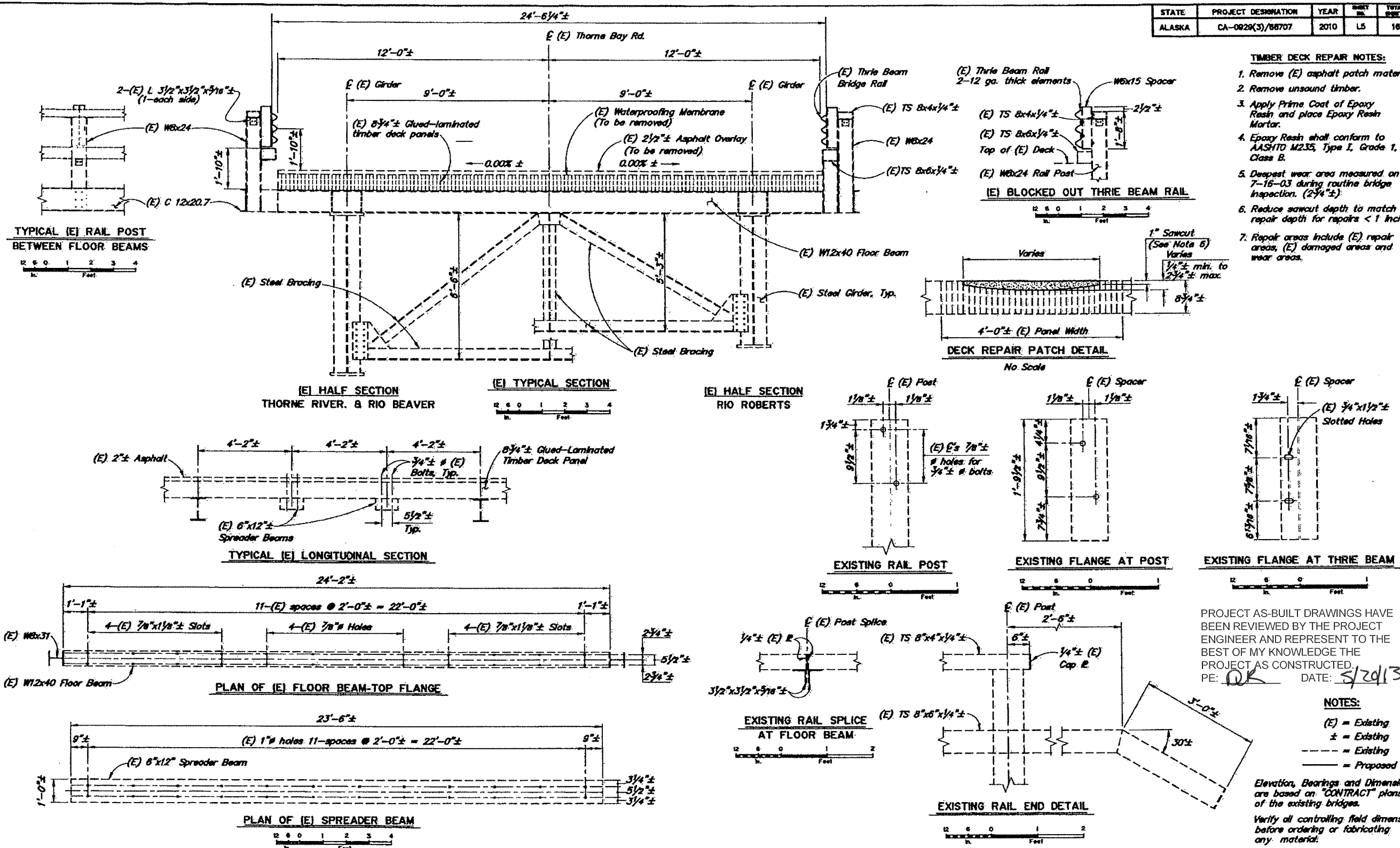


BRIDGE NO. 1462
DWG. NO. L4

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	CA-0829(3)/88707	2010	L5	16

TIMBER DECK REPAIR NOTES:

1. Remove (E) asphalt patch material.
2. Remove unsound timber.
3. Apply Prime Coat of Epoxy Resin, and place Epoxy Resin Mortar.
4. Epoxy Resin shall conform to AASHTO M235, Type I, Grade 1, Class B.
5. Deepest wear area measured on 7-16-03 during routine bridge inspection. (2 3/4"±)
6. Reduce sawcut depth to match repair depth for repairs < 1 inch.
7. Repair areas include (E) repair areas, (E) damaged areas and wear areas.



PROJECT AS-BUILT DRAWINGS HAVE BEEN REVIEWED BY THE PROJECT ENGINEER AND REPRESENT TO THE BEST OF MY KNOWLEDGE THE PROJECT AS CONSTRUCTED.
PE: *OK* DATE: *5/20/13*

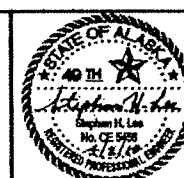
NOTES:

- (E) = Existing
- ± = Existing
- = Existing
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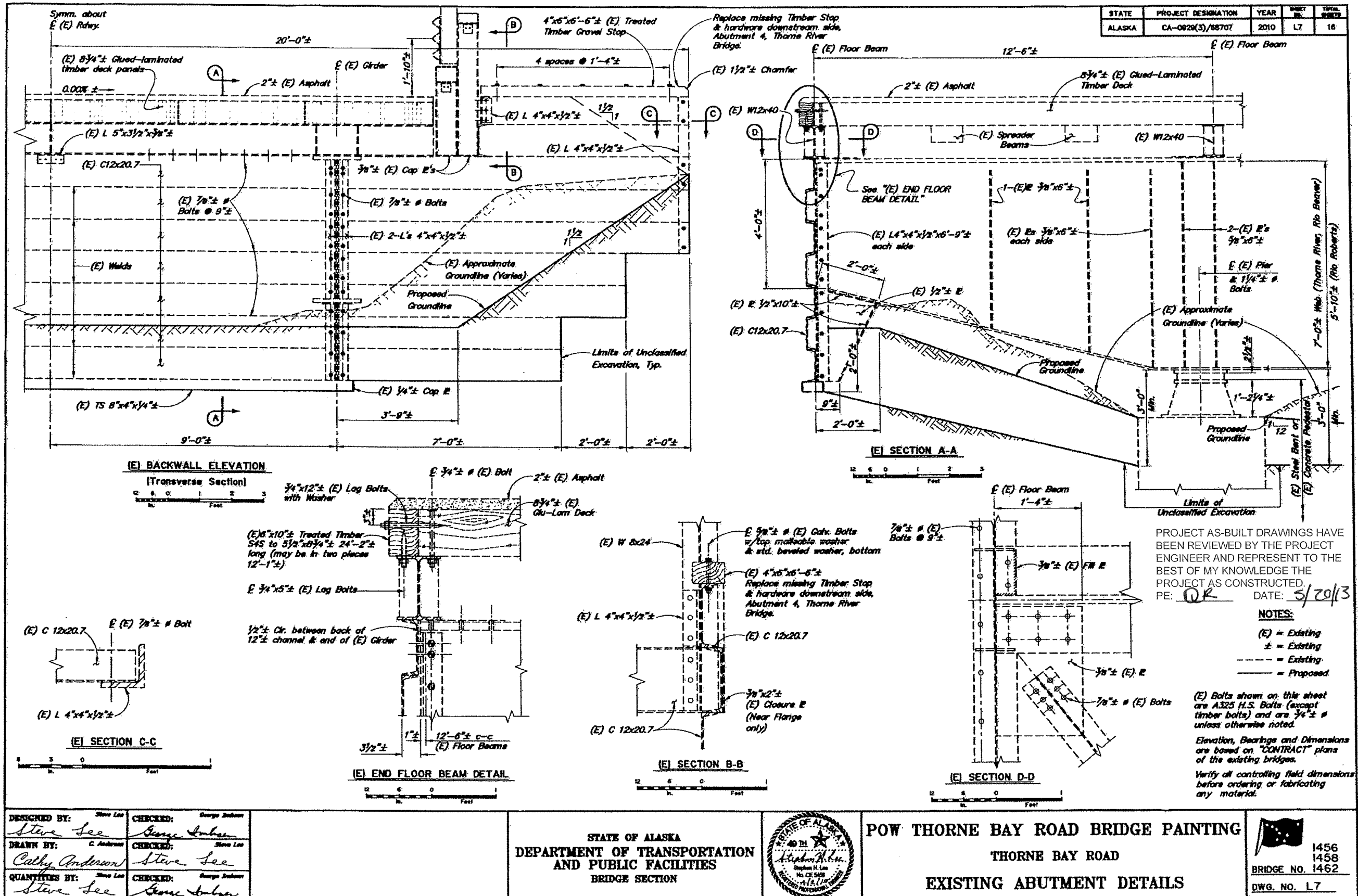
DESIGNED BY: <i>Steve Lee</i>	CHECKED: <i>George Johnson</i>
DRAWN BY: <i>Cathy Anderson</i>	CHECKED: <i>Steve Lee</i>
QUANTITIES BY: <i>Steve Lee</i>	CHECKED: <i>George Johnson</i>

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION



POW THORNE BAY ROAD BRIDGE PAINTING
THORNE BAY ROAD
EXISTING TYPICAL SECTION & DETAILS

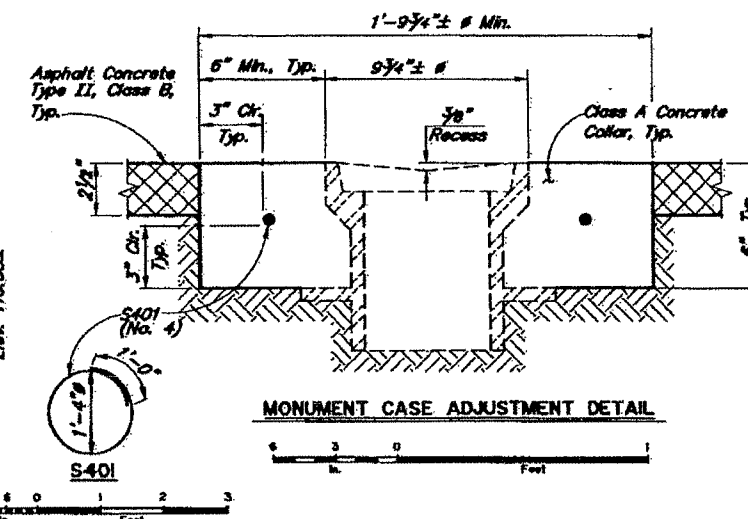
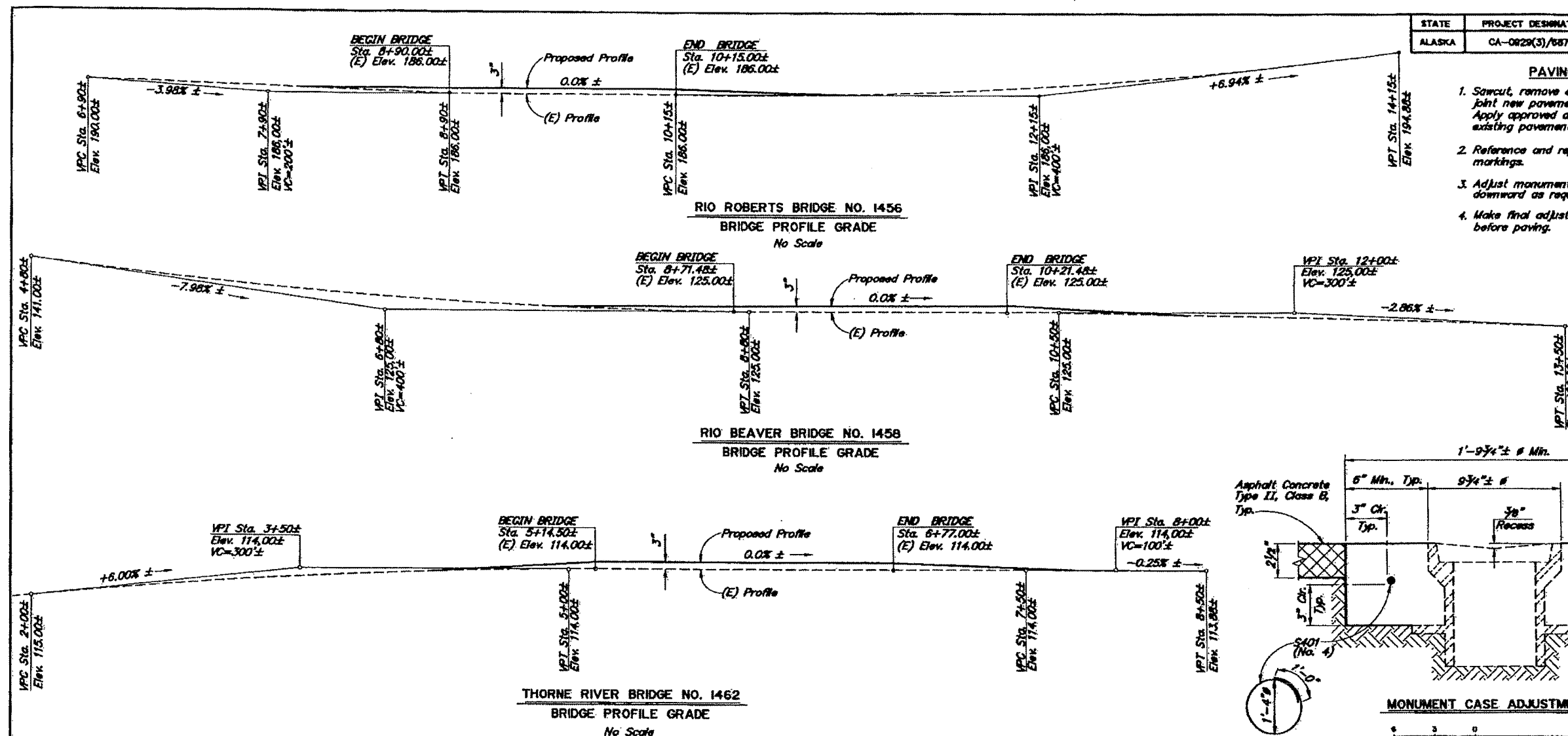
	1456
	1458
	BRIDGE NO. 1462
	DWG. NO. L5



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	CA-0829(3)/68707	2010	LB	18

PAVING NOTES

1. Sawcut, remove existing pavement and butt joint new pavement with existing pavement. Apply approved asphalt material to face of existing pavement and at abutment.
2. Reference and replace existing traffic markings.
3. Adjust monument case upward or downward as required.
4. Make final adjustment of monument case before paving.



PROJECT AS-BUILT DRAWINGS HAVE BEEN REVIEWED BY THE PROJECT ENGINEER AND REPRESENT TO THE BEST OF MY KNOWLEDGE THE PROJECT AS CONSTRUCTED.
PE: DR DATE: 5/20/13

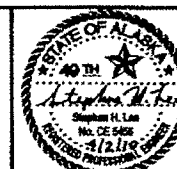
NOTES:

- (E) = Existing
± = Existing
--- = Existing
— = Proposed

Elevation, Bearings and Dimensions are based on "CONTRACT" plans of the existing bridges.
Verify all controlling field dimensions before ordering or fabricating any material.

DESIGNED BY: <u>Steve Lee</u>	CHECKED: <u>George Johnson</u>
DRAWN BY: <u>Cathy Anderson</u>	CHECKED: <u>Steve Lee</u>
QUANTITIES BY: <u>Steve Lee</u>	CHECKED: <u>George Johnson</u>

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION



POW THORNE BAY ROAD BRIDGE PAINTING
THORNE BAY ROAD
PROFILES AND PAVING DETAILS

	1456
	1458
	BRIDGE NO. 1462
	DWG. NO. LB

TRAFFIC CONTROL NOTES

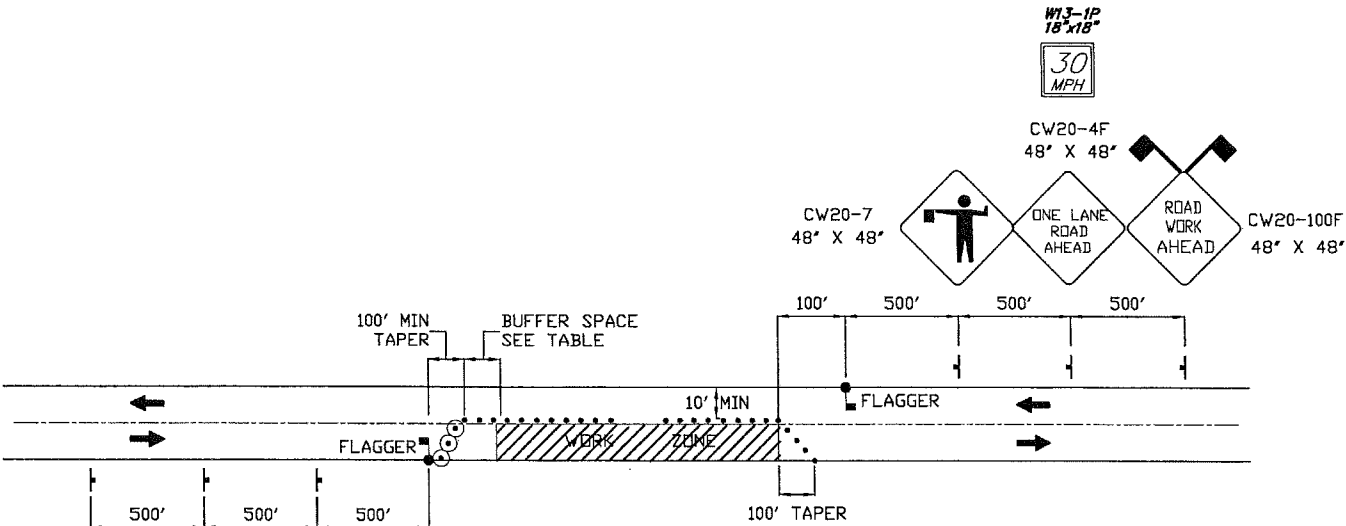
1. MINIMUM OF ONE LANE SHALL REMAIN OPEN AT ALL TIMES IN WORK AREAS.
2. TEMPORARY DRIVING LANES SHALL HAVE A MINIMUM WIDTH OF 10'-0".
3. CONSTRUCTION SIGNING SHALL BE IN PLACE ONLY WHEN THE CONDITIONS EXIST FOR WHICH THE SIGNS ARE INTENDED.
4. WARNING LIGHTS SHALL BE USED TO MARK BARRICADES, PORTABLE BARRIERS OR ANY OTHER CHANNELIZING DEVICE AT NIGHT AS DIRECTED BY THE ENGINEER. THE FIRST DEVICE FACING THE DIRECTION OF TRAFFIC SHALL BE EQUIPPED WITH A FLASHING WARNING LIGHT, ALL OTHERS SHALL BE EQUIPPED WITH STEADY-BURN WARNING LIGHTS.
5. IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME, NOT ALL, OF THE TRAFFIC CONTROL SETUPS WHICH WILL BE REQUIRED ON THIS PROJECT. PLANS FOR CONFIGURATIONS NOT COVERED BY THE TCP SHALL BE CREATED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL. WHERE APPROPRIATE, THEY SHALL INCORPORATE APPLICABLE DETAILS FROM THESE SHEETS.
6. ALL TRAFFIC CONTROL PLANS SUBMITTED BY THE CONTRACTOR SHALL BE NUMBERED. ALL TRAFFIC CONTROL PLANS THAT USE A TYPICAL APPLICATION AS DESCRIBED IN THE MUTCD SHALL REFERENCE THE TYPICAL APPLICATION. EXAMPLE: TCP 3, MUTCD TA-10.
7. THE CONTRACTOR SHALL KEEP THE PUBLIC INFORMED OF HIS CONSTRUCTION ACTIVITIES THROUGH THE USE OF THE LOCAL NEWS MEDIA. NEWS RELEASES SHALL BE APPROVED BY THE ENGINEER PRIOR TO THEIR RELEASE. NEWS RELEASES WILL BE REQUIRED BUT NOT LIMITED TO, THE ONSET OF WORK, GRINDING, PAVING, AND CHANGES IN THE LANE CONFIGURATIONS.
8. DELAY OF TRAFFIC MUST BE 10 MINUTES OR LESS.
9. BICYCLE AND PEDESTRIAN TRAFFIC SHALL BE ACCOMMODATED ON THE BRIDGE SUCH THAT THEY ARE SAFELY ROUTED ACROSS THE BRIDGE DURING CONSTRUCTION. IF REQUIRED, ADDITIONAL TRAFFIC CONTROL DEVICES FOR BICYCLE TRAFFIC AND ANY ADDITIONAL DEVICES, INCLUDING FLAGGING, NOT SHOWN IN THIS SETUP SHALL BE SUBSIDIARY TO ITEM 643(2), TRAFFIC MAINTENANCE.
10. THE CONTRACTOR SHALL PROVIDE ACCESS THROUGH THE PROJECT TO EMERGENCY VEHICLES AT ALL TIMES.
11. USE EXTENDED WORK AREA TO ACCOMMODATE STORAGE OF BRIDGE TIMBER DECK PANELS AND STAGING OF CONSTRUCTION EQUIPMENT.
12. TEMPORARY SIGNAL CONTROLS WILL BE COVERED UP OR REMOVED WHEN THEY ARE NOT IN USE.
13. TEMPORARY SIGNAL CONTROLS ARE REQUIRED WHEN THERE IS A SINGLE LANE CLOSURE AND NO WORK BEING DONE ON THE BRIDGE.

LEGEND

- TEMPORARY SIGNAL
- ⬇ FLAGGER
- ⚡ CONSTRUCTION SIGN
- ⦿ DRUMS
- CONCRETE BARRIER
- WATER FILLED BARRIER
- ⚡ HIGH LEVEL WARNING DEVICE

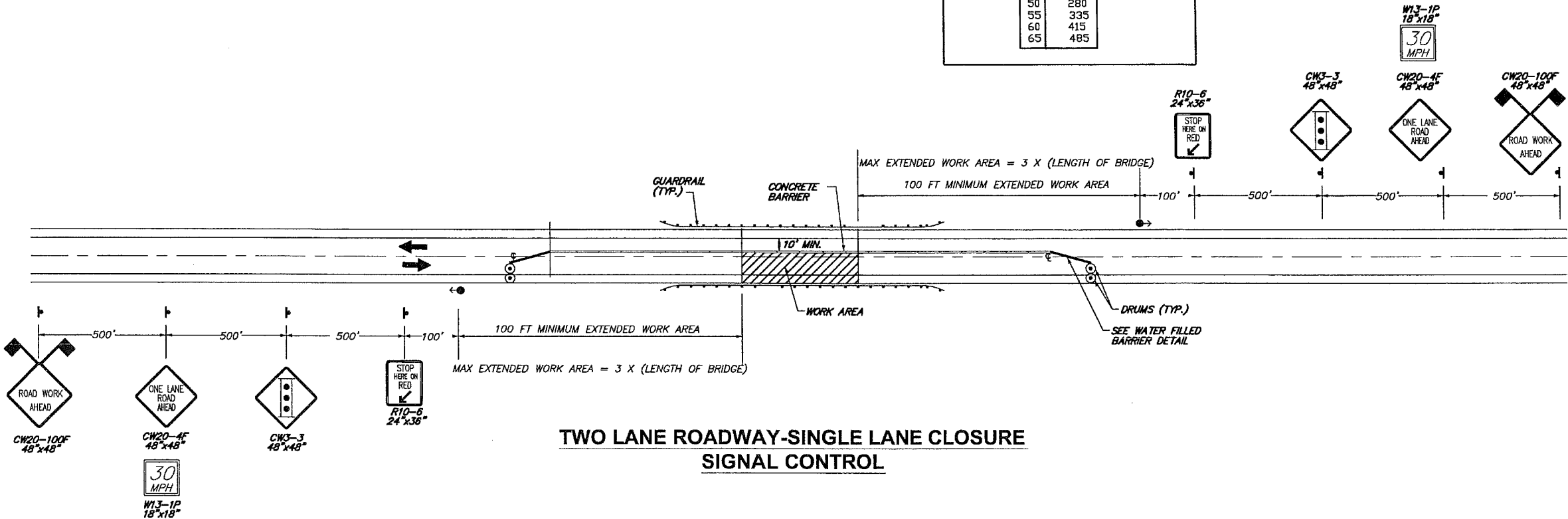
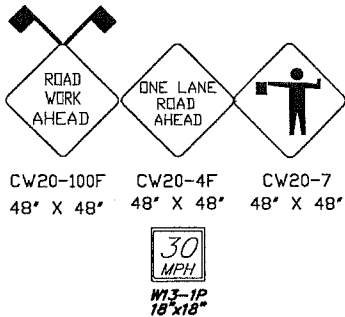
S = POSTED SPEED LIMIT = 40 MPH
DRUM OR CONE SPACING = S (IN FEET)

S	LENGTH
20	35
25	55
30	85
35	120
40	170
45	220
50	280
55	335
60	415
65	485



NOTE: ADDITIONAL FLAGGER IS REQUIRED AT INTERSECTIONS REMAINING OPEN WITHIN THE WORK AREA.

TWO LANE ROADWAY-SINGLE LANE CLOSURE
FOR CLOSURES LESS THAN 24 HRS



TWO LANE ROADWAY-SINGLE LANE CLOSURE
SIGNAL CONTROL

DESIGNED BY:	C. Dionisio	CHECKED:	C. Morehouse	LAYOUT BY:		CHECKED BY:	
DRAWN BY:	S.E. Region	CHECKED:		SPECIFICATIONS BY:		P S & E COMPARED:	
QUANTITIES BY:		CHECKED:		APPROVAL RECOMMENDED BY:			

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION



POW THORNE BAY ROAD BRIDGES PAINTING
THORNE BAY ROAD
TRAFFIC CONTROL PLAN

1456
1458
BRIDGE NO. 1462
DWG. NO. S2

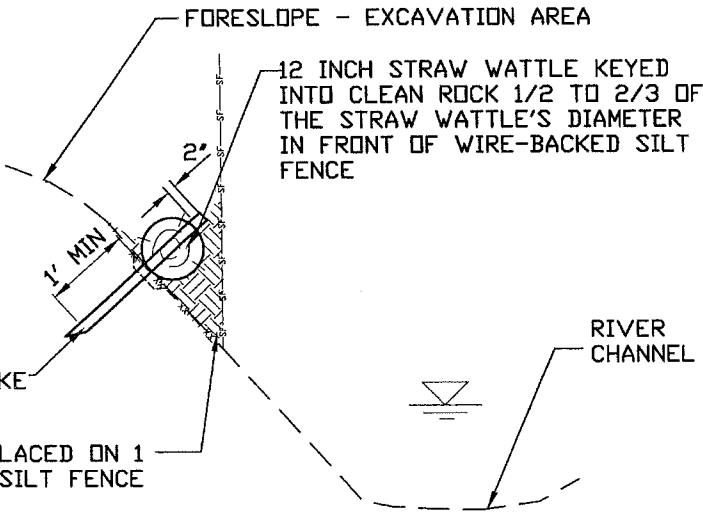
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	CA-0929(3)/68707	2010	T1	16

EROSION& SEDIMENT CONTROL PLAN NOTES

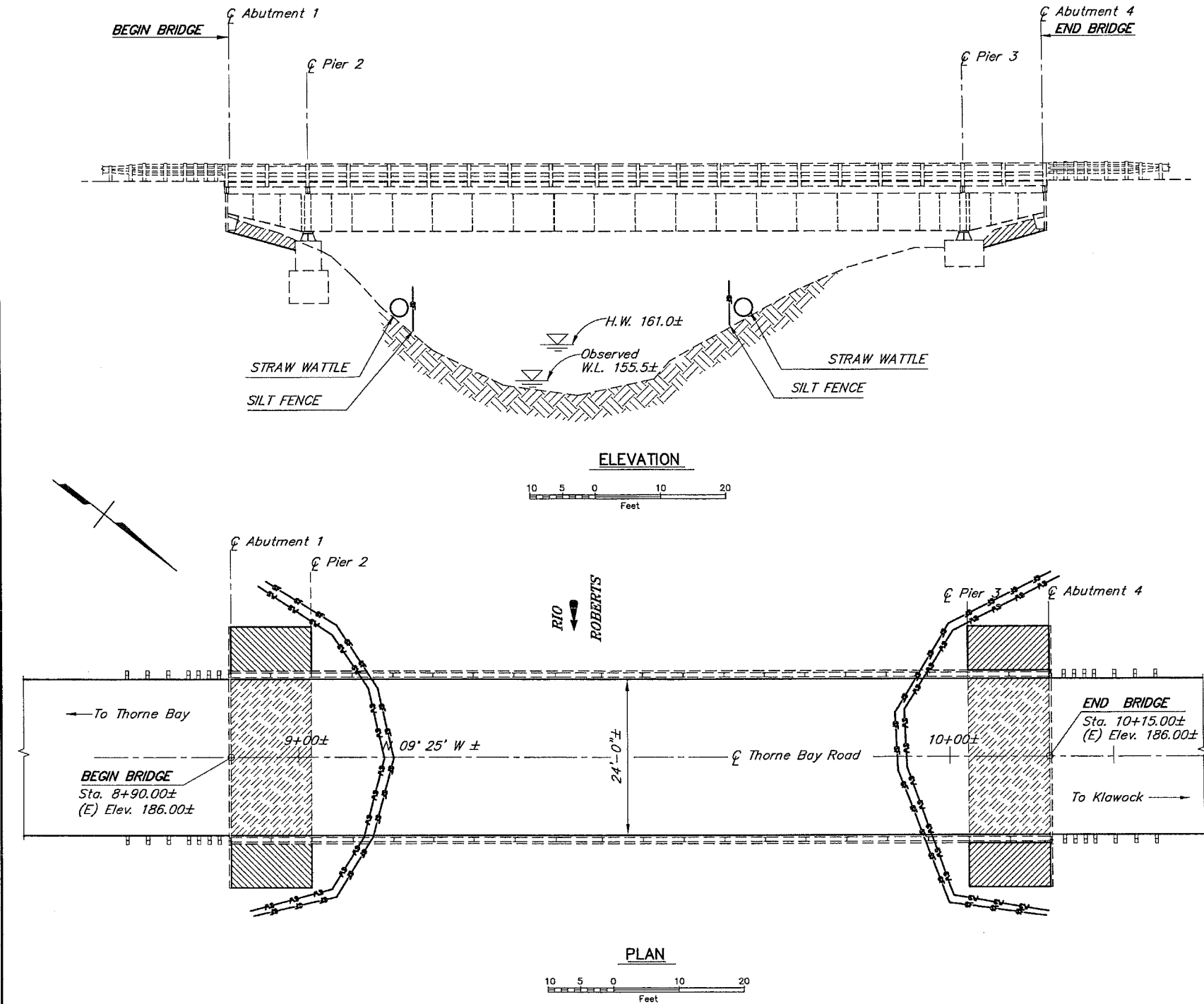
1. THE CONTRACTOR IS REQUIRED TO PRESENT A STORM WATER POLLUTION PREVENTION PLAN (S.W.P.P.P.) 14 DAYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE. THE CONTRACTOR'S S.W.P.P.P. SHALL INCLUDE, AT THE MINIMUM, THEIR PROPOSED LOCATIONS FOR STRAW WATTLES AND SILT FENCE AS WELL AS ANY OTHER BEST MANAGEMENT PRACTICES THAT ARE APPROPRIATE. THE 'ALASKA S.W.P.P.P. GUIDE' IS AVAILABLE FROM THE ADOT&PF SOUTHEAST REGIONAL OFFICE, OR WEBSITE.
2. THIS PROJECT IS LOCATED ON PRINCE OF WALES ISLAND, ALASKA IN COPPER MERIDIAN SECTIONS 18,T.71S.,R84E, AND 24,T.71S.,R83E., AND 26,T.71S.,R83E.
3. THE TOTAL AREA OF LAND TO BE DISTURBED IS ESTIMATED AT LESS THAN AN ACRE. THE CONTRACTOR IS NOT REQUIRED TO FILE A NOI, BUT MUST CREATE A SWPPP PER SECTION 641.
4. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSPECTED AT LEAST DAILY AND MAINTAINED UNTIL THE GROUND IS STABILIZED. MAINTENANCE SHALL INCLUDE CLEANING OF COLLECTED SEDIMENT OR REPLACEMENT TO MAINTAIN EFFECTIVENESS.
5. ADDITIONAL SILT FENCING OR STRAW WATTLES MAY BE REQUIRED. SWEEPING OF PAVED SURFACES AND TEMPORARY SEEDING AND MATTING MAY ALSO BE REQUIRED. STABILIZE DISTURBED GROUND AS SOON AS POSSIBLE. UNSTABILIZED SURFACES MUST BE TEMPORARILY STABILIZED WITH SEEDING, MATTING, OR OTHER EFFECTIVE MEASURES.

LEGEND

- WIRE-BACKED SILT FENCE
- STRAW WATTLE



STRAW WATTLE / SILT FENCE DETAIL
N.T.S.



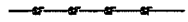
DESIGNED BY:	J. Barnett	CHECKED:		LAYOUT BY:		CHECKED BY:	
DRAWN BY:	C. Anderson	CHECKED:		SPECIFICATIONS BY:		P S & E COMPARED:	
QUANTITIES BY:		CHECKED:		APPROVAL RECOMMENDED BY:			

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION

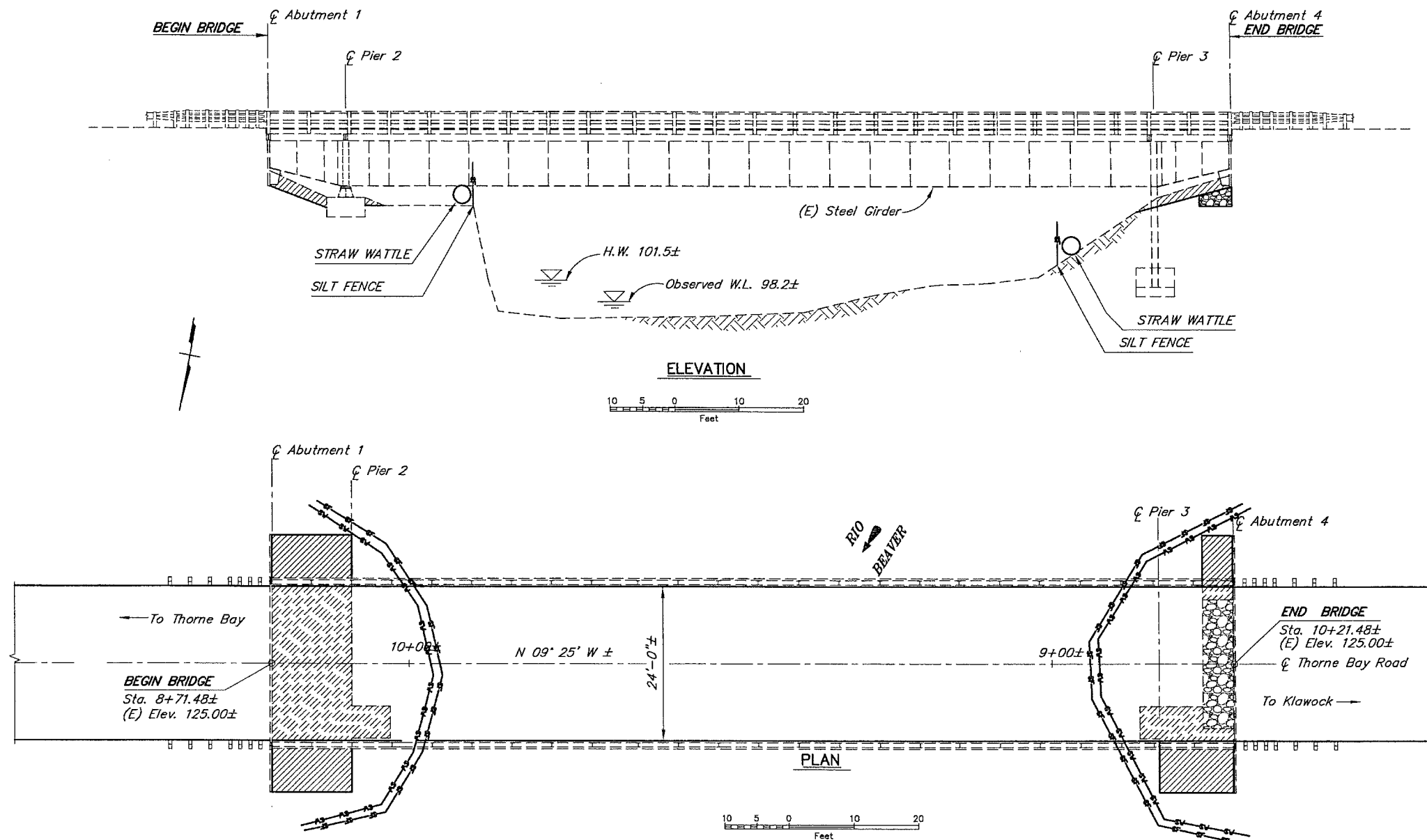
POW THORNE BAY ROAD BRIDGES PAINTING
RIO ROBERTS BRIDGE
EROSION & SEDIMENT CONTROL PLAN
BRIDGE NO. 1456
DWG. NO. T1

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	CA-0929(3)/68707	2010	T2	16

LEGEND

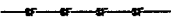
-  WIRE-BACKED SILT FENCE
-  STRAW WATTLE

NOTE:
REFERENCE SHEET T1 FOR STRAW WATTLE AND
SILT FENCE INSTALLATION DETAIL AND GENERAL
ESCP NOTES.

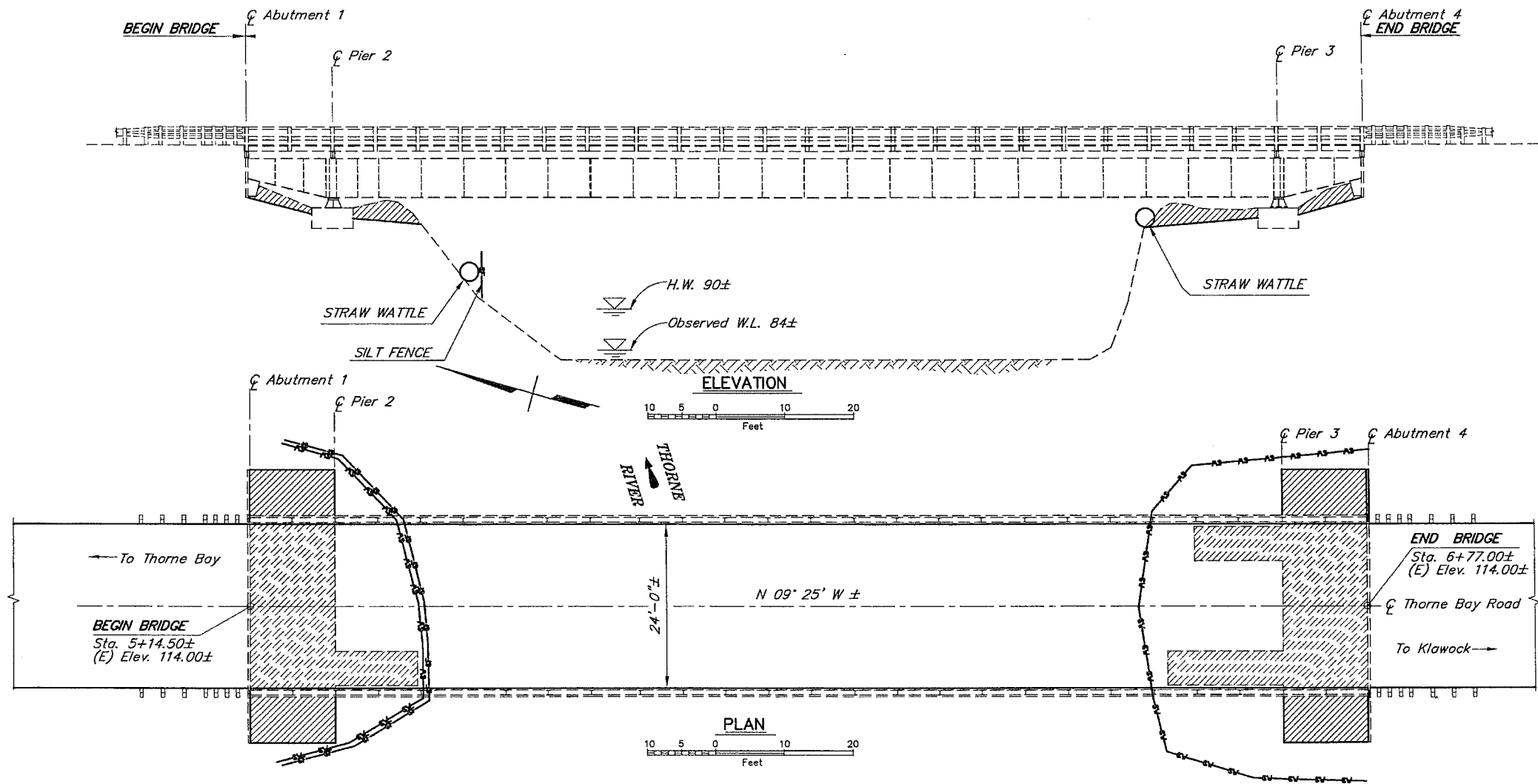


DESIGNED BY: J. Barnett	CHECKED:	LAYOUT BY:	CHECKED BY:	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION		POW THORNE BAY ROAD BRIDGES PAINTING RIO BEAVER BRIDGE EROSION & SEDIMENT CONTROL PLAN	 BRIDGE NO. 1458 DWG. NO. T2
DRAWN BY: C. Anderson	CHECKED:	SPECIFICATIONS BY:	P S & E COMPARED:				
QUANTITIES BY:	CHECKED:	APPROVAL RECOMMENDED BY:					

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	CA-0929(3)/68707	2010	T3	16

LEGEND	
	WIRE-BACKED SILT FENCE
	STRAW WATTLE

NOTE:
REFERENCE SHEET T1 FOR STRAW WATTLE AND
SILT FENCE INSTALLATION DETAIL AND GENERAL
ESCP NOTES.



DESIGNED BY:	J. Barnett	CHECKED:		LAYOUT BY:		CHECKED BY:	
DRAWN BY:	C. Anderson	CHECKED:		SPECIFICATIONS BY:		P S & E COMPARED:	
QUANTITIES BY:		CHECKED:		APPROVAL RECOMMENDED BY:			

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION



POW - THORNE BAY ROAD BRIDGES PAINTING
THORNE RIVER BRIDGE
EROSION & SEDIMENT CONTROL PLAN



BRIDGE NO. 1462
DWG. NO. T3