

DESIGNED BY
GJH

CHECKED BY
KEK

DRAFTED BY
GJH

SCALE
N/A

DATE
3/24/2020

TIME
12:25 PM

DRAWING LOCATION
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STATE OF ALASKA

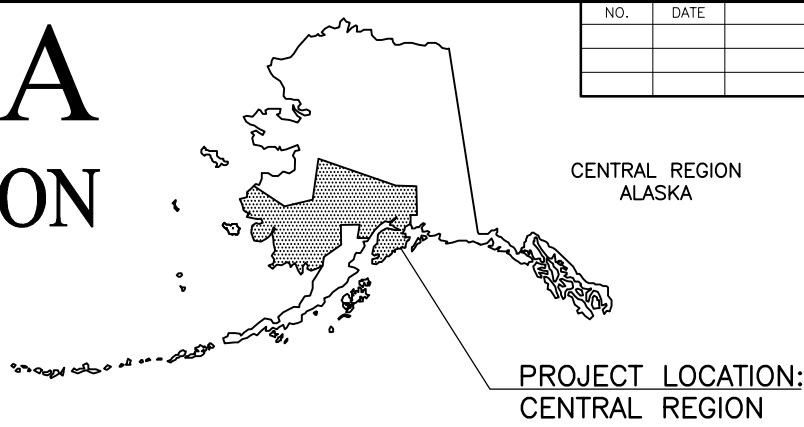
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

PROPOSED HIGHWAY PROJECT

CENTRAL REGION BRIDGES - NOV 2018 EQ PR

PROJECT NO. 0091010 / CFHWY00607

BRIDGE REPAIR



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0091010/CFHWY00607	2020	A1	A3

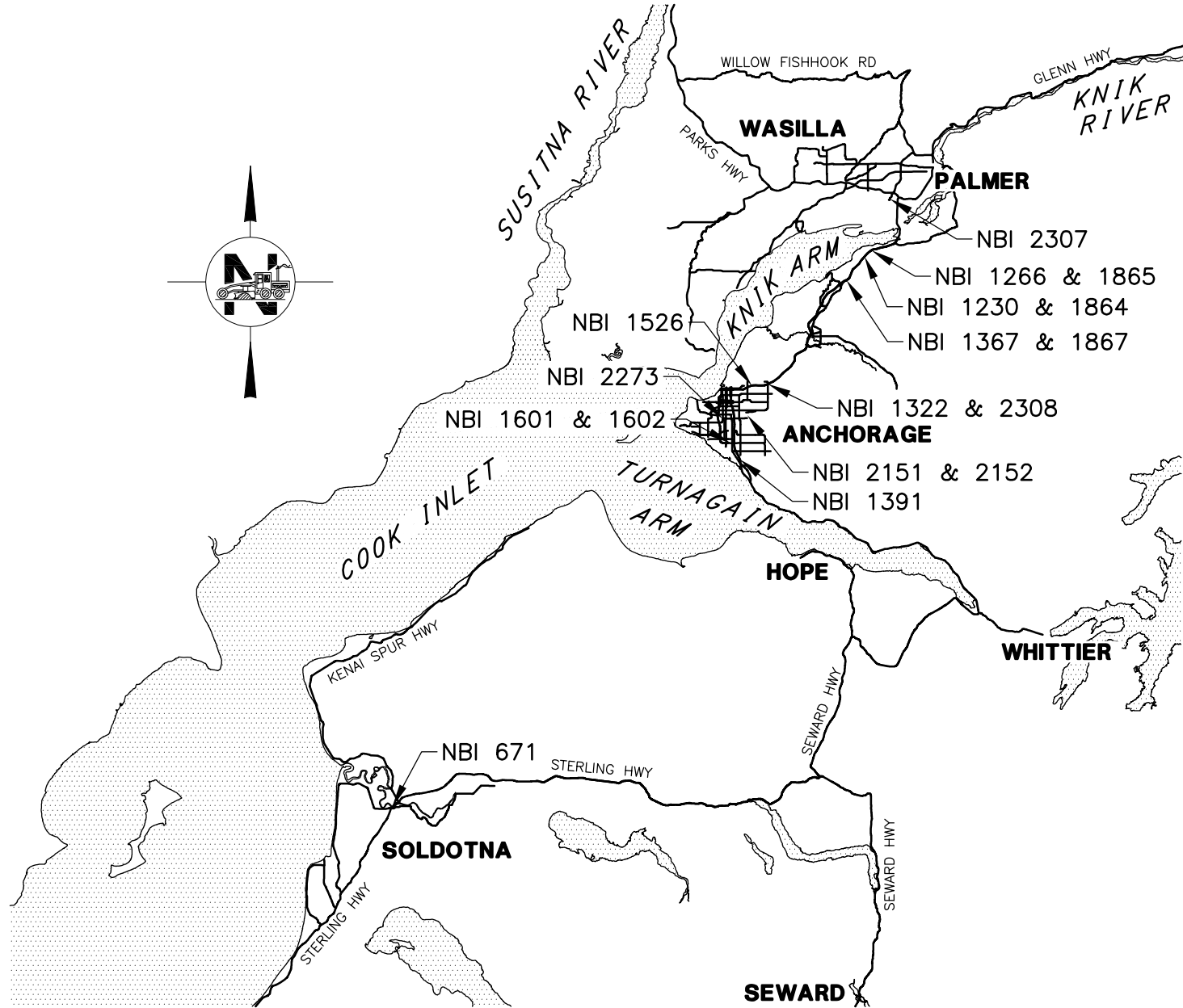
CENTRAL REGION
ALASKA



PROJECT LOCATION:
CENTRAL REGION

PR

PROJECT SUMMARY				
DDIR	ROADWAY	WIDTH	LENGTH	
AK 2019 02 B001	NBI 2307, S. TRUNK ROAD OVERCROSSING	40.0 FT	165 FT	
AK 2019 02 B002	NBI 1266, GLENN HIGHWAY RAILROAD OVERHEAD NB	36.1 FT	169 FT	
AK 2019 02 B003	NBI 1865, GLENN HIGHWAY RAILROAD OVERHEAD SB	36.1 FT	169 FT	
AK 2019 02 B004	NBI 1230, GLENN HIGHWAY EKLUTNA RIVER NB	36.2 FT	106 FT	
AK 2019 02 B005	NBI 1864, GLENN HIGHWAY EKLUTNA RIVER SB	36.2 FT	106 FT	
AK 2019 02 B006	NBI 1367, GLENN HIGHWAY PETERS CR UNDERCROSSING NB	36.1 FT	123 FT	
AK 2019 02 B007	NBI 1867, GLENN HIGHWAY PETERS CR UNDERCROSSING SB	36.1 FT	123 FT	
AK 2019 02 B010	NBI 1322, MULDOON OVERCROSSING SB	49.5 FT	222 FT	
AK 2019 02 B011	NBI 2308, MULDOON OVERCROSSING NB	49.5 FT	222 FT	
AK 2019 02 B014	NBI 2151, ELMORE ROAD - S. FORK CAMPBELL CREEK	66.0 FT	566 FT	
	NBI 2152, ELMORE ROAD - N. FORK CAMPBELL CREEK	66.0 FT	538 FT	
AK 2019 02 B015	NBI 2273, DOWLING ROAD - W. DOWLING OVERCROSSING	72.0 FT	200 FT	
AK 2019 02 B016	NBI 1601, MINNESOTA DRIVE UNDERPASS RR (EAST)	97.0 FT	343 FT	
AK 2019 02 B017	NBI 1602, MINNESOTA DRIVE UNDERPASS RR (WEST)	97.0 FT	344 FT	
AK 2019 02 B018	NBI 1391, DEARMOUN OVERCROSSING	68.0 FT	269 FT	
AK 2019 02 B020	NBI 1526, MCCARREY ST. OVERCROSSING	40.4 FT	266 FT	
AK 2019 02 B021	NBI 671, STERLING HIGHWAY AT KENAI RIVER	66.9 FT	418 FT	



NBI: 2307 DDIR: AK 2019 02 B001	ROUTE ID	2361071X000	MILEPOINT	0.208 - 0.246
	LATITUDE	61.552351	LONGITUDE	-149.279408
NBI: 1266 DDIR: AK 2019 02 B002	ROUTE ID	10600001000	MILEPOINT	25.233 - 25.264
	LATITUDE	61.461515	LONGITUDE	-149.348758
NBI: 1865 DDIR: AK 2019 02 B003	ROUTE ID	1060000D000	MILEPOINT	9.054 - 9.086
	LATITUDE	61.461565	LONGITUDE	-149.349309
NBI: 1230 DDIR: AK 2019 02 B004	ROUTE ID	10600001000	MILEPOINT	24.086 - 24.106
	LATITUDE	61.450549	LONGITUDE	-149.374673
NBI: 1864 DDIR: AK 2019 02 B005	ROUTE ID	1060000D000	MILEPOINT	10.199 - 10.224
	LATITUDE	61.45064	LONGITUDE	-149.375027
NBI: 1367 DDIR: AK 2019 02 B006	ROUTE ID	10600001000	MILEPOINT	20.382 - 20.405
	LATITUDE	61.40476	LONGITUDE	-149.459114
NBI: 1867 DDIR: AK 2019 02 B007	ROUTE ID	1060000D000	MILEPOINT	13.891 - 13.915
	LATITUDE	61.404858	LONGITUDE	-149.45952
NBI: 1322 DDIR: AK 2019 02 B010	ROUTE ID	2281205D000	MILEPOINT	0.243 - 0.285
	LATITUDE	61.227241	LONGITUDE	-149.733097
NBI: 2308 DDIR: AK 2019 02 B011	ROUTE ID	2281205X000	MILEPOINT	3.278 - 3.320
	LATITUDE	61.227108	LONGITUDE	-149.733882
NBI: 2151 DDIR: AK 2019 02 B014	ROUTE ID	2281274X000	MILEPOINT	2.553 - 2.661
	LATITUDE	61.169443	LONGITUDE	-149.808943
NBI: 2152 DDIR: AK 2019 02 B014	ROUTE ID	2281274X000	MILEPOINT	3.023 - 3.093
	LATITUDE	61.175690	LONGITUDE	-149.808230
NBI: 2273 DDIR: AK 2019 02 B015	ROUTE ID	2281323X000	MILEPOINT	2.979 - 3.016
	LATITUDE	61.165664	LONGITUDE	-149.897671

NBI: 1601 & 1602 DDIR: AK 2019 02 B016 & B017	ROUTE ID	22812161000	MILEPOINT	0.194 - 0.212
	LATITUDE	61.123079	LONGITUDE	-149.856283
NBI: 1601 & 1602 DDIR: AK 2019 02 B016 & B017	ROUTE ID	2281216D000	MILEPOINT	7.167 - 7.187
	LATITUDE	61.123078	LONGITUDE	-149.856592
NBI: 1391 DDIR: AK 2019 02 B018	ROUTE ID	2281077X000	MILEPOINT	0.252 - 0.303
	LATITUDE	61.094221	LONGITUDE	-149.836084
NBI: 1526 DDIR: AK 2019 02 B020	ROUTE ID	2281284X000	MILEPOINT	0.099 - 0.150
	LATITUDE	61.224453	LONGITUDE	-149.791706
NBI: 671 DDIR: AK 2019 02 B021	ROUTE ID	1000000X000	MILEPOINT	58.032 - 58.112
	LATITUDE	60.476807	LONGITUDE	-151.081456

PLANS DEVELOPED BY: HDR ALASKA, INC.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
4111 AVIATION AVENUE, ANCHORAGE, AK 99502
(907)269-0590

APPROVED:

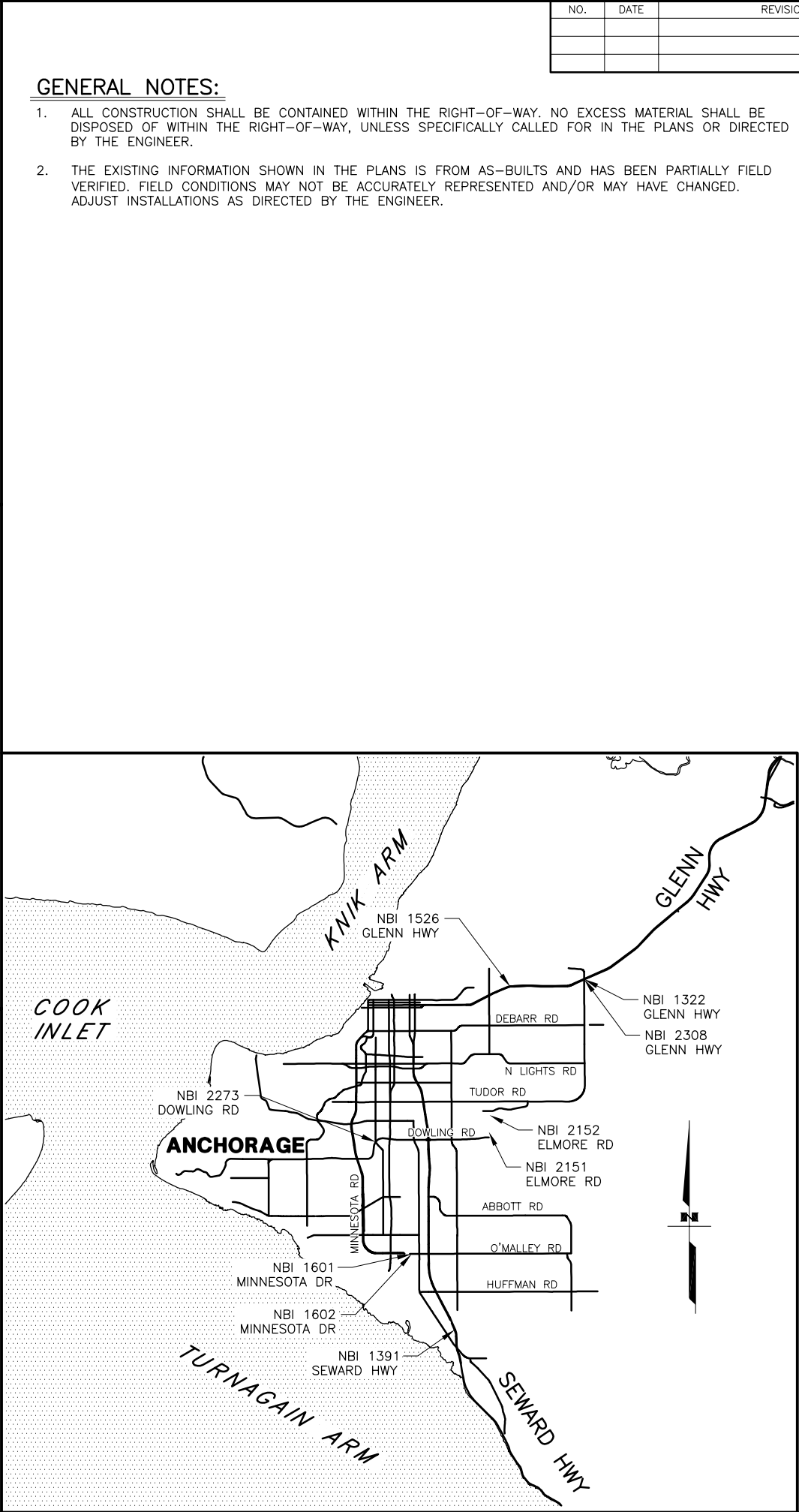
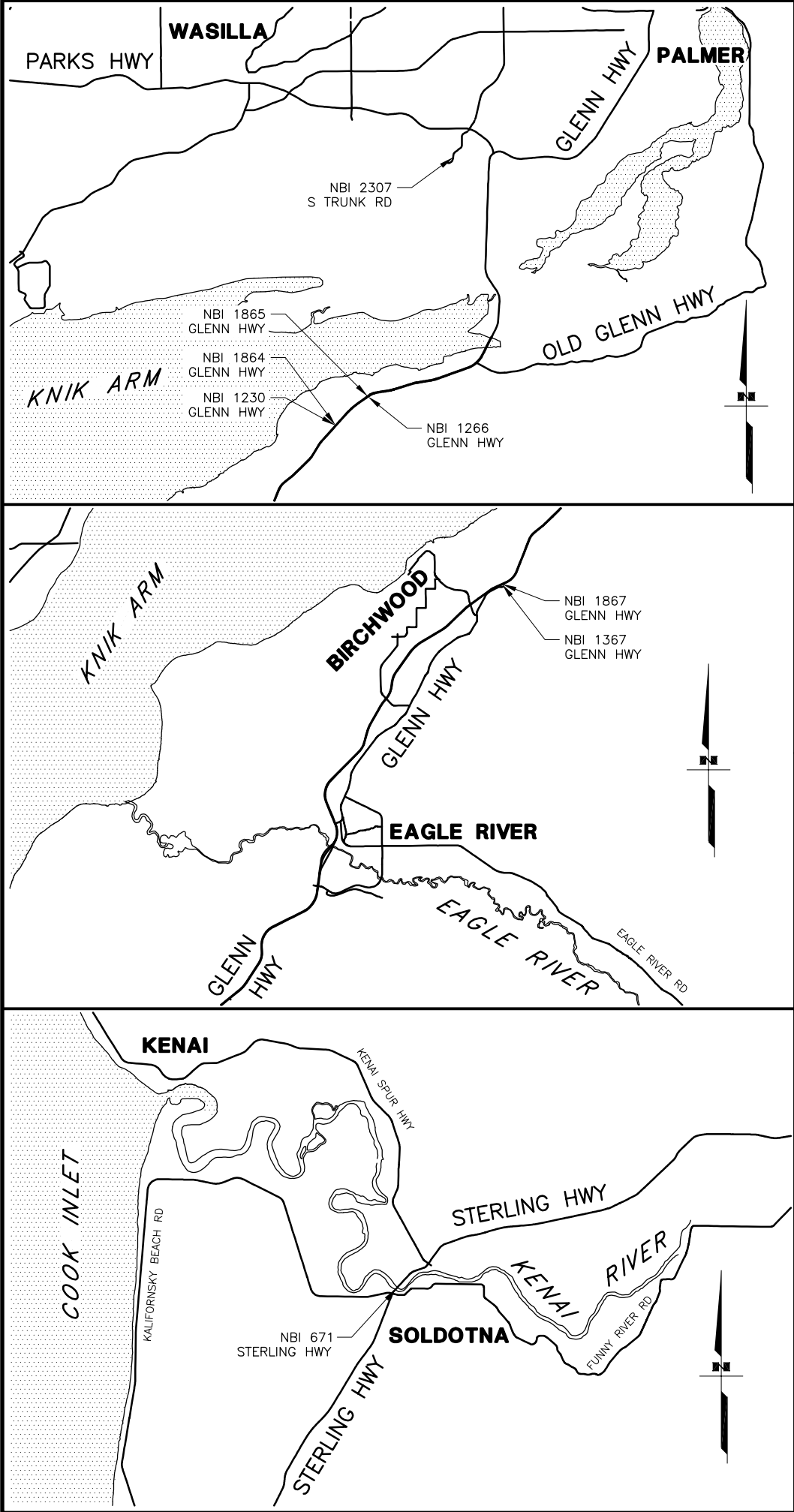
REGIONAL CONSTRUCTION ENGINEER

DATE

CONCL

Preliminary

DATE



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0091010/CFHWY00607	2020	A2	A3

INDEX	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	SHEET LAYOUT, INDEX, AND GENERAL NOTES
A3	LEGEND
C1	ESTIMATE OF QUANTITIES
D1	MINNESOTA DRIVE MEDIAN PAVEMENT DETAIL
N1	BRIDGE SUMMARY
N2-N5	BRIDGE 2307, S. TRUNK ROAD OVERCROSSING
N6-N9	BRIDGE 1266, GLENN HWY RAILROAD OVERHEAD NB
N10-N13	BRIDGE 1865, GLENN HWY RAILROAD OVERHEAD SB
N14-N16	BRIDGE 1230, GLENN HWY EKLUTNA RIVER NB
N17-N19	BRIDGE 1864, GLENN HWY EKLUTNA RIVER SB
N20-N21	BRIDGE 1367, GLENN HWY PETERS CR NB
N22-N23	BRIDGE 1867, GLENN HWY PETERS CR SB
N24-N26	BRIDGE 1322, MULDOON OVERCROSSING SB
N27-N30	BRIDGE 2308, MULDOON OVERCROSSING NB
N31-N36	BRIDGE 2151, ELMORE ROAD, S FORK CAMPBELL CR
N37-N41	BRIDGE 2152, ELMORE ROAD, N FORK CAMPBELL CR
N42-N45	BRIDGE 2273, DOWLING RD OVERCROSSING
N46-N51	BRIDGE 1601 AND 1602, MINNESOTA DR UNDERPASS
N52-N56	BRIDGE 1391, DEARMOUN OVERCROSSING
N57-N60	BRIDGE 1526, MCCARREY ST OVERCROSSING
N61-N65	BRIDGE 671, STERLING HWY AT KENAI RIVER

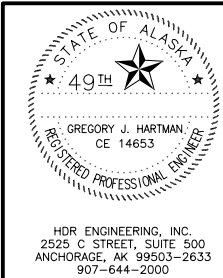
THE FOLLOWING ALASKA STANDARD PLANS
APPLY TO THIS PROJECT:

C-04.12
G-00.04, G-09.04S, G-10.20

Preliminary

SPECIFICATION:

CONSTRUCT THE IMPROVEMENTS COVERED BY THESE PLANS IN ACCORDANCE WITH THE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES 2017 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE PROJECT SPECIAL PROVISIONS.



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION BRIDGES –
NOV 2018 EQ PR

SHEET LAYOUT, INDEX,
AND GENERAL NOTES

ROADWAY

	EXISTING	PROPOSED
EDGE OF PAVEMENT		
LIMIT OF CUT SLOPE & FILL SLOPE		
GRAVEL EDGE		
SIDEWALK AND PATH/TRAIL		
CONCRETE CURB & GUTTER		
CONCRETE CURB CUT		
PARALLEL CURB RAMP		
PERPENDICULAR CURB RAMP		
UNIDIRECTIONAL CURB RAMP & MID-BLOCK CURB RAMP		
DETECTABLE WARNING TILE		
BRIDGE		
TUNNEL		
GUARDRAIL		
END & PARALLEL END SECTIONS		
ROADWAY OBLITERATION		
FENCE		
STONE FENCE		
NOISE BARRIER		
RETAINING WALL		
HEADWALL & WINGWALL		
BOTTOM OF DITCH		
SPECIAL DITCH		
FLAT BOTTOM DITCH		
BERM		
RIPRAP		
BOULDER OR BOULDERS		
PRIVATE SIGN, MAILBOX		
POST, BOLLARD		

UTILITIES

	EXISTING	PROPOSED
STORM DRAIN		
STORM DRAIN MANHOLE, CLEANOUT		
CURB INLET CATCH BASIN		
FIELD INLET CATCH BASIN		
PIPE CULVERT WITH END SECTION		
SANITARY SEWER		
SANITARY SEWER MANHOLE, CLEANOUT		
SEPTIC VENT, SEWER SERVICE CONNECTION		
WATER		
FIRE HYDRANT, VALVE OR RISER		
WELL, WATER SERVICE CONNECTION		
NATURAL GAS		
OIL OR GASOLINE PIPELINE		
TANKS (ABOVE GROUND, UNDERGROUND)		
ELECTRIC		
UTILITY POLE, POLE WITH LUMINAIRE		
GUY POLE, GUY WIRE ANCHOR		
TRANSMISSION TOWER (WOOD, STEEL)		
ELECTRIC PEDESTAL, TRANSFORMER		
ELECTRIC MANHOLE, METER		
ELECTRIC OUTLET, LANDSCAPE LIGHT		
TELEPHONE		
TELEPHONE MANHOLE, PEDESTAL		
FIBER OPTIC		
FIBER OPTIC MANHOLE		
CABLE TV		
CABLE TV PEDESTAL, SATELLITE DISH		
UNDERGROUND DUCT, UTILIDOR (ELECTRIC, TELEPHONE, FIBER OPTIC)		
VENT		

TRAFFIC

	EXISTING	PROPOSED
LOAD CENTER		
STATE TRAFFIC, MOA TRAFFIC, & BEACON CONTROLLER		
ARROW INDICATES DOOR LOCATION		
TYPE 1A, II, III, IV JUNCTION BOX		
FIBER OPTIC VAULT		
ELECTROLIER		
HIGHTOWER		
SIGNAL POLE WITH MASTARM		
PEDESTRIAN PUSH BUTTON & SIGNAL		
VEHICULAR SIGNAL		
VEHICULAR SIGNAL LEFT & RIGHT		
OPTICAL, CAMERA, RADAR, AND GPS DETECTOR		
LOOP DETECTOR		
COMMUNICATION ANTENNA		
MASTARM BEACON		
RURAL & SCHOOL ZONE BEACON		
LOOP DETECTOR CONDUIT		
SIGNAL CONDUIT		
LIGHTING CONDUIT		
SIGNAL & LIGHTING CONDUIT		
CONDUIT BORING		
CONDUIT SIZE IN INCHES		
INTERCONNECT		
SIGN POST		

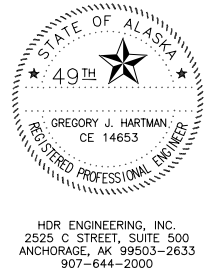
PAVEMENT MARKINGS

	PROPOSED
TRAFFIC PROJECT CENTERLINE	
8" & 4" WHITE SOLID STRIPE	
4" WHITE SKIP STRIPE	
10' STRIPES AND 30' SPACES	
8" WHITE LANE GUIDE SKIP	
LANE CONTINUATION OR TURN SKIP	
1" STRIPES AND 3" SPACES	
8" & 4" YELLOW SOLID STRIPE	
4" YELLOW SKIP STRIPE	
10' STRIPES AND 30' SPACES	
STRIPING CHANGE STATION INTERVAL	
2' CROSSWALK OR STOPBAR	
LADDER CROSSWALK LAYOUT	
2' WIDE RUNGS WITH 2' SPACES	
ALIGNED TO AVOID TIRE PATHS	
TYPICAL PAINTED MEDIAN	

RIGHT-OF-WAY

	RECOVERED	SET THIS PROJECT
FEDERAL GOV'T SURVEY MONUMENT		
GOV'T CONTROL STATION		
PRIMARY MONUMENT (BRASS/AL CAP)		
MISC SECONDARY CORNER		
PRIMARY CENTERLINE MONUMENT		
SECONDARY CENTERLINE MONUMENT		
RANDOM CONTROL MONUMENT		
PRIMARY GPS CONTROL POINT		
HORIZONTAL CONTROL POINT		
SECONDARY CONTROL POINT		
VERTICAL BENCHMARK		
TEMPORARY BENCHMARK		
TOWNSHIP AND RANGE LINES		
SECTION LINE		
1/4 SECTION LINE		
1/16 SECTION LINE		
CORPORATE or CITY LIMITS		
EXISTING RIGHT-OF-WAY		
RIGHT-OF-WAY OR EASEMENT REQUIRED		
PROJECT RIGHT-OF-WAY LINE		
EXISTING RIGHT-OF-WAY EASEMENT		
EXISTING PROPERTY LINE		
CONTROLLED ACCESS LINE		
EXISTING UTILITY EASEMENT		
PROPOSED UTILITY EASEMENT		
EXISTING CENTERLINE		
RAILROAD CENTERLINE		
TEMPORARY CONSTRUCTION EASEMENT		
TEMPORARY (		

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION BRIDGES –
NOV 2018 EQ PR

LEGEND

DRAWING LOCATION	DATE	TIME	SCALE	DESIGNED BY
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				CHECKED BY
				KFK
				DRAFTED BY
				CJH

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0091010/CFHWY00607	2020	C1	C1

[illegible]

TABLE OF ESTIMATING FACTORS			
ITEM NO.	SSHC 2017 ITEM NO.	ITEM DESCRIPTION	UNIT
401.0001.002A	401(1A)	HMA, TYPE II; CLASS A	153 LB/FT ³
401.0004.5240	401(4)	ASPHALT BINDER, GRADE PG 52-40 V	5.5% OF TOTAL WEIGHT OF 401(1A)



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION BRIDGES –
NOV 2018 EQ PR
ESTIMATE OF QUANTITIES

Preliminary

DRAWING LOCATION
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DATE
3/26/2020

TIME
2:48 PM

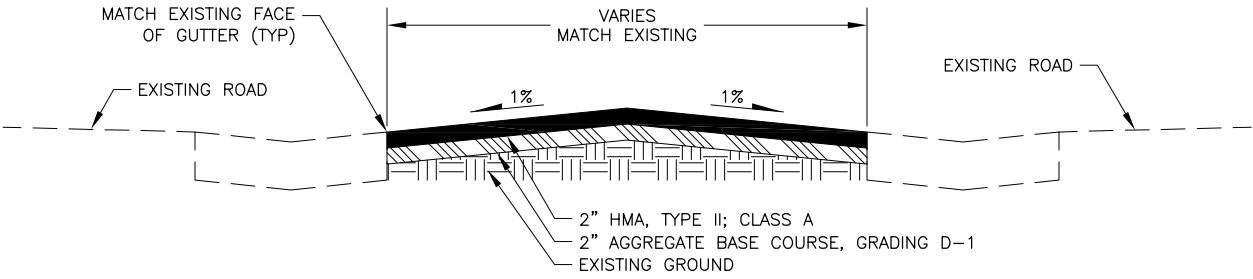
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1" = 1'

DESIGNED BY
GJH

CHECKED BY
KEK

DRAFTED BY
GJH

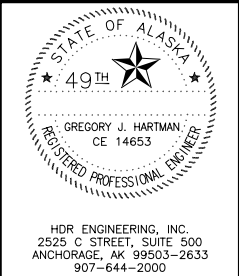
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0091010/CFHWY00607	2020	D1	D1



MEDIAN PAVING DETAIL

- NOTES:
1. COMPLETE PAVING PRIOR TO INSTALLING GUARDRAIL. DRIVE GUARDRAIL POSTS THROUGH ASPHALT.

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

CENTRAL REGION BRIDGES –
NOV 2018 EQ PR

MINNESOTA DRIVE
MEDIAN PAVEMENT DETAIL

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STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N1	N65

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	PAY UNIT	ESTIMATING UNIT	Trunk Road OH #2307	Glenn Hwy. RR OH NB #1266	Glenn Hwy. RR OH SB #1865	Eklutna River NB #1230	Ekutna River SB #1864	Peter's Creek UC NB #1367	Peter's Creek UC SB #1867	Muldoon OC NB #1322	Muldoon OC SB #2308	South Fork Campbell Creek #2151	North Fork Campbell Creek #2152	W Dowling Road OC #2273	Minnesota Drive UP #1601	Minnesota Drive UP #1602	Minnesota Drive UP #1391	McCarrey OC #1526	Kenai River @ Soldotna #671	TOTAL QUANTITY
				DDIR # AK 2019 02 B001	DDIR # AK 2019 02 B002	DDIR # AK 2019 02 B003	DDIR # AK 2019 02 B004	DDIR # AK 2019 02 B005	DDIR # AK 2019 02 B006	DDIR # AK 2019 02 B007	DDIR # AK 2019 02 B010	DDIR # AK 2019 02 B011	DDIR # AK 2019 02 B014	DDIR # AK 2019 02 B014	DDIR # AK 2019 02 B015	DDIR # AK 2019 02 B016	DDIR # AK 2019 02 B017	DDIR # AK 2019 02 B018	DDIR # AK 2019 02 B020	DDIR # AK 2019 02 B021	
202.0001.0000	Removal of Structures and Obstructions	LS	LS	---	---	---	---	---	---	---	---	---	---	---	---	ALL REQ'D	ALL REQ'D	---	---	---	ALL REQ'D
501.0001.0000	Class A Concrete	LS	CY	---	---	---	0.4	0.4	---	---	---	---	1.5	1.5	---	0.4	0.9	1.5	0.8	---	7.4
501.2001.0000	Spall Repair	SF	SF	30	23	23	---	---	---	---	15	19	10	14	25	---	---	110	6	86	361
501.2002.0000	Crack Repair	LF	LF	20	15	15	---	---	---	---	18	20	2	8	---	---	---	14	6	35	153
501.2021.0000	Removal of Concrete	CF	CF	---	---	---	6.6	6.6	---	---	---	---	23	23	---	---	---	34	18.6	---	112
501.2022.0000	Grout Replacement	EA	EA	---	---	---	---	---	18	18	---	---	---	---	---	---	---	---	---	---	36
503.0001.0000	Reinforcing Steel	LS	LB	---	---	---	38	38	---	---	---	---	417	417	---	---	---	385	113	---	1,408
503.0002.0000	Epoxy Coated Reinforcing Steel	LS	LB	---	---	---	---	---	---	---	---	---	---	---	---	52	261	---	---	---	313
503.0003.0000	Drill and Bond Dowels	EA	EA	---	---	---	16	16	---	---	---	---	104	104	---	7	6	96	48	---	397
514.0002.0000	Anti-Graffiti Protection	SF	SF	---	---	---	---	---	---	---	---	---	---	---	26	---	---	---	---	---	26
606.0602.0000	Thrie Beam Guardrail	LF	LF	---	---	---	---	---	---	---	---	---	---	---	---	124	124	---	---	---	248
606.6016.0000	Transition Rail	EA	EA	---	---	---	---	---	---	---	---	---	---	---	---	2	2	---	---	---	4

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 LRFD Bridge Design Specifications 8th Edition with latest interim specifications.

SEISMIC DESIGN:..... AASHTO Guide Specifications for LRFD Seismic Bridge Design, 2nd Edition with latest interim specifications.

REINFORCEMENT:..... ASTM A706, Grade 60, Fy = 60,000 psi

CONCRETE:.....Class A Concrete, f'c = 4,000 psi unless otherwise noted.

ABBREVIATIONS:

C	= centerline	f'c	= specified concrete compressive strength
P	= plate	Fy	= yield stress
&	= and	Galv.	= galvanize
@	= at	Hwy.	= highway
Ø	= diameter	ksf	= 1000 pounds per square foot
±	= approximate	LB	= pound
AASHTO	= American Association of State Highway and Transportation Officials	LF	= linear foot
ASTM	= American Society for Testing and Materials	LS	= lump sum
Abut.	= abutment	Lt.	= left
Approx.	= approximate	max.	= maximum
b.f.	= back/dirt face	min.	= minimum
bot.	= bottom	n.f.	= near face
Br.	= bridge	No.	= number
btwn.	= between	o.c.	= on center
Brg.	= bearings	O.H.W.	= ordinary high water
C.I.P.	= cast in place	pcf	= pounds per cubic foot
Clr.	= clear, clearance	psf	= pounds per square foot
CY	= cubic yard	psi	= pounds per square inch
dia.	= diameter	PVC	= point of vertical curve
Dwg.	= drawing	PVI	= point of vertical intersection
E	= expansion	PVT	= point of vertical tangent
(E)	= existing	R.O.W.	= right of way
EA	= each	Rt.	= right
Elev.	= elevation	Rd.	= road
e.a.	= each face	spc.	= space, spaces
e.w.	= each way	Sta.	= station
F	= fixed	SF	= square feet
f.f.	= front/air face	Symm.	= symmetric
		Typ.	= typical
		w/	= with

SEISMIC DESIGN PARAMETERS				
BRIDGE #	PGA	Ss	S1	SITE CLASS
2307	0.551	1.234	0.481	D
1266	0.535	1.187	0.462	D
1865	0.535	1.187	0.462	D
1230	0.535	1.186	0.461	C
1864	0.535	1.186	0.461	C
1367	0.535	1.181	0.458	C
1867	0.535	1.181	0.458	C
1322	0.540	1.190	0.460	C
2308	0.540	1.190	0.460	C
2151	0.539	1.186	0.460	D
2152	0.539	1.186	0.460	D
2273	0.540	1.180	0.460	D
1601 & 1602	0.537	1.183	0.459	D
1391	0.522	1.184	0.482	C
1526	0.540	1.187	0.459	C
671	0.484	1.027	0.398	D

* Site Class from As-Built's if available

DESIGNED BY: Ben Still	CHECKED BY: Nick Murray	LAYOUT BY: Ben Still	CHECKED BY: Nick Murray
DRAWN BY: Ben Still	APPROVED BY: Nick Murray	COORDINATIONS BY: Ben Still	P S & E COMPARED: Nick Murray
QUANTITY	RECOMMENDED BY: Rich Pratt		

Preliminary

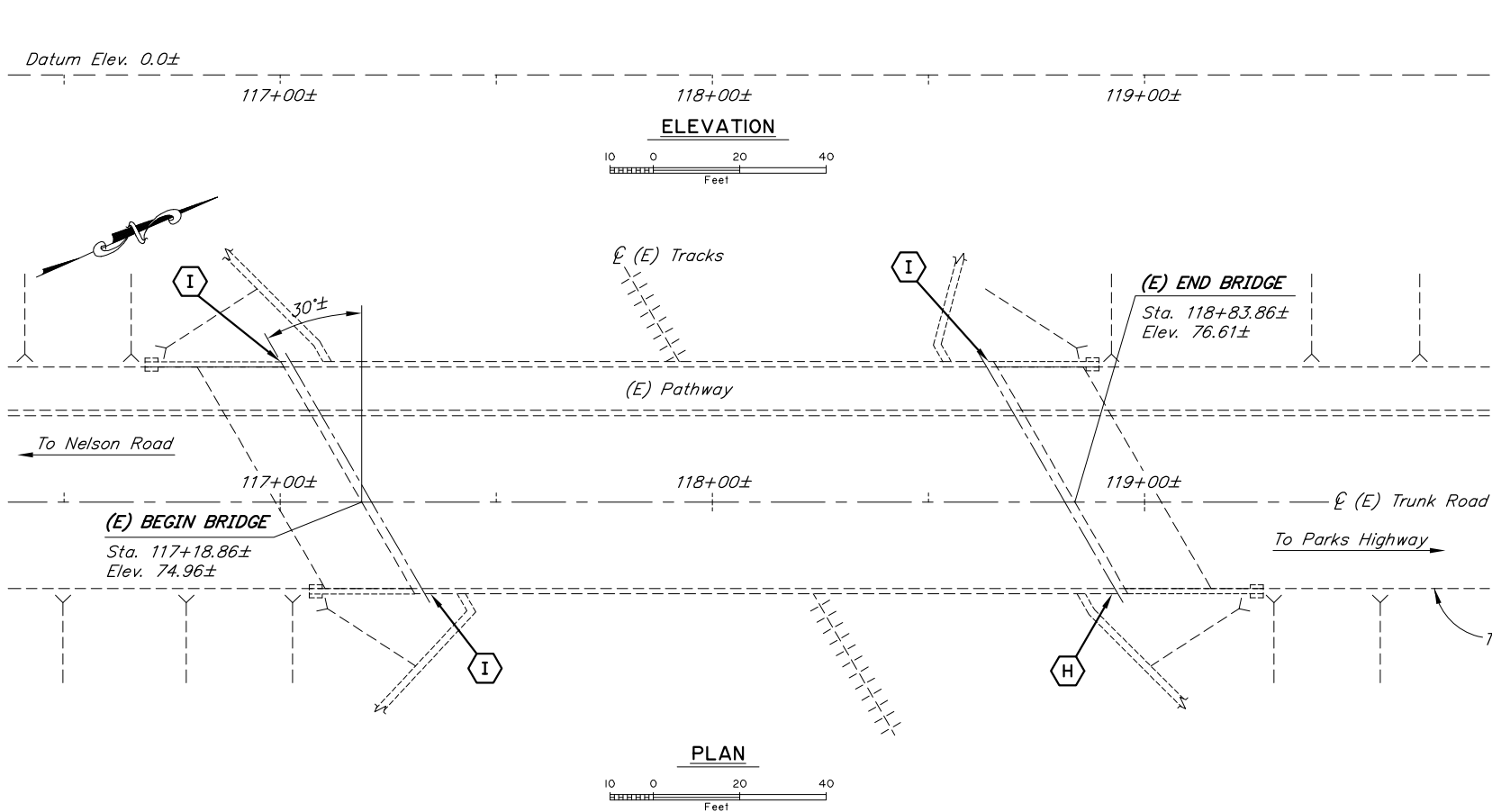
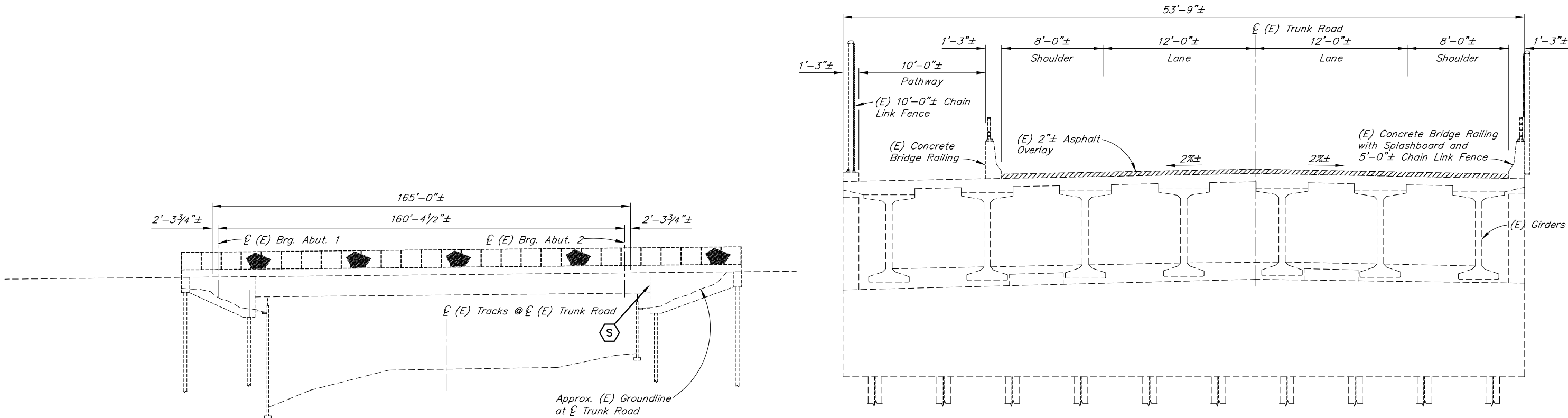
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

CENTRAL REGION BRIDGES
NOV 2018 EQ PERMANENT REPAIRS
SUMMARY AND GENERAL NOTES



BRIDGE NO. _____
DWG. NO. _____

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N2	N65



BRIDGE DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
DAMAGED LOCATIONS	2
ABUTMENT 2	3
ABUTMENT 2 SHEAR KEY DETAILS	4

LEGEND	
	Repair Hiderwalls
	Repair Spalls
	Inject Cracks

NOTES:

(E) = Existing

----- = Existing

———— = Proposed

Bridge stations and elevations are based on as-built drawings.

DESIGNED BY: Ben Still
CHECKED: Nick Murray

DRAWN BY: [Blank]
QUANT: [Blank]

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

TRUNK ROAD OVERHEAD
TRUNK ROAD
GENERAL LAYOUT



BRIDGE NO. 2307
DWG. NO. 1

R:\cod\Earthquake 2018 Bridges\2307-DAMAGED LOCATIONS Fri, Mar/20/20 4:50pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N3	N65



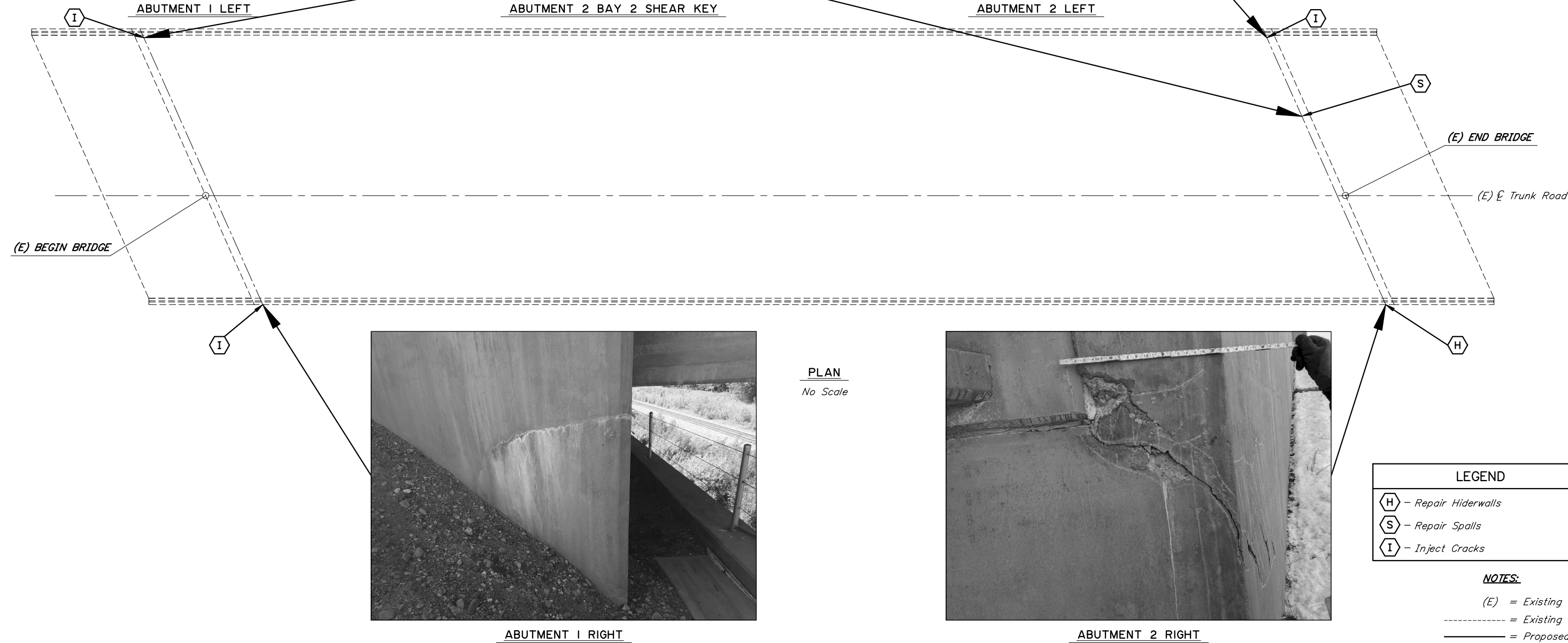
ABUTMENT 1 LEFT



ABUTMENT 2 BAY 2 SHEAR KEY



ABUTMENT 2 LEFT



PLAN

No Scale



ABUTMENT 1 RIGHT



ABUTMENT 2 RIGHT

LEGEND	
	Repair Hiderwalls
	Repair Spalls
	Inject Cracks

NOTES:

(E) = Existing

----- = Existing

———— = Proposed

DESIGNED BY:	Ben Still	CHECKED:	Nick Murray
DRAWN BY:		APPROVED:	

QUANT **Preliminary**

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

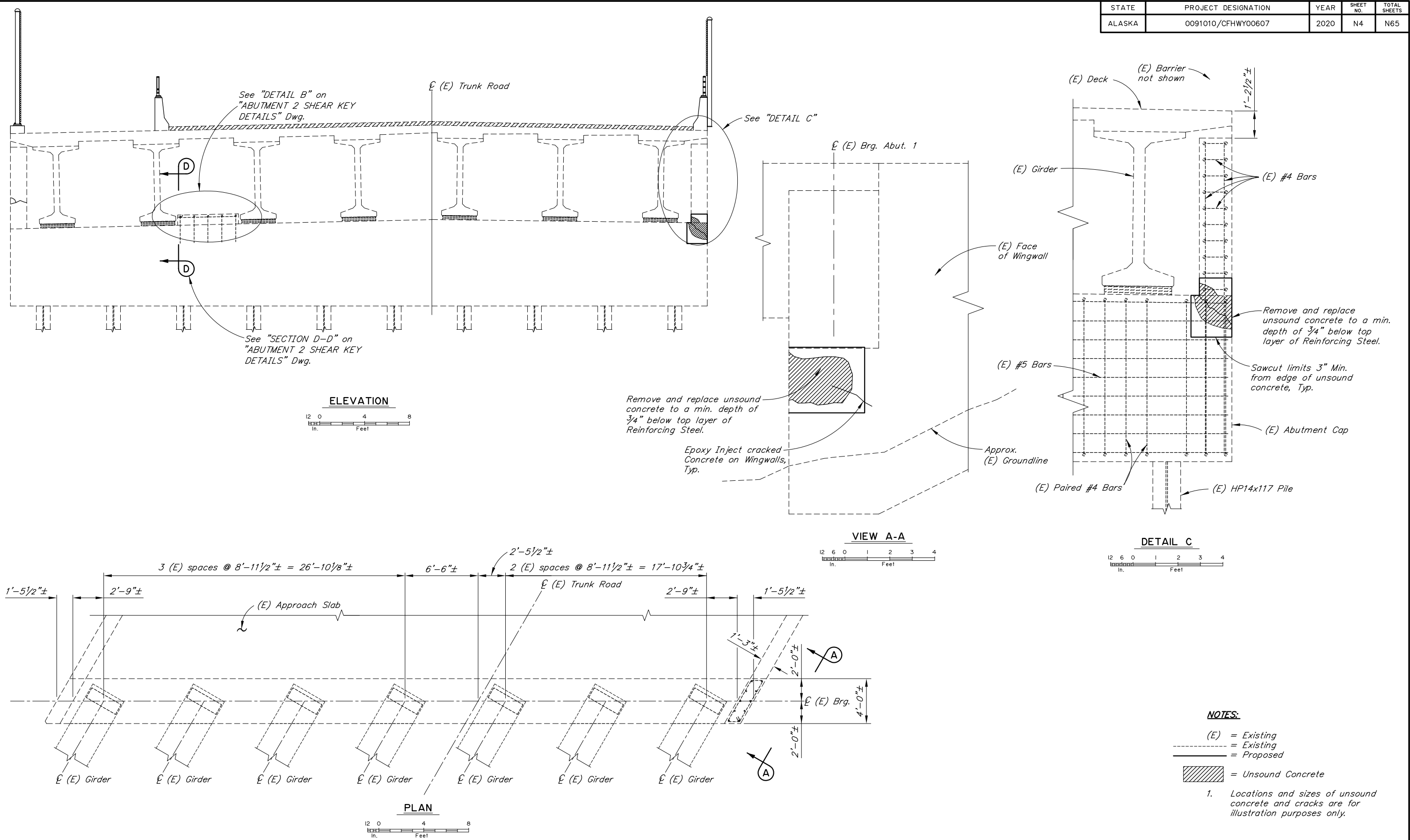
TRUNK ROAD OVERHEAD
TRUNK ROAD
DAMAGED LOCATIONS



BRIDGE NO. 2307

DWG. NO. 2

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N4	N65



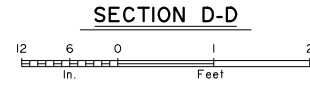
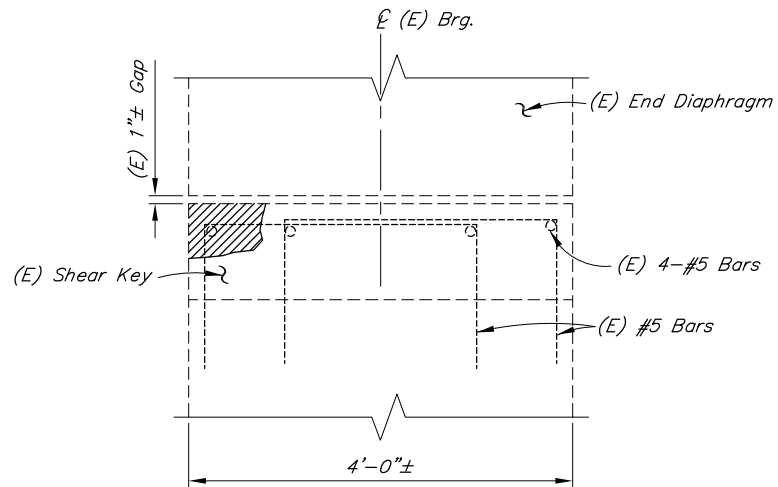
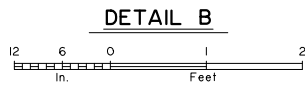
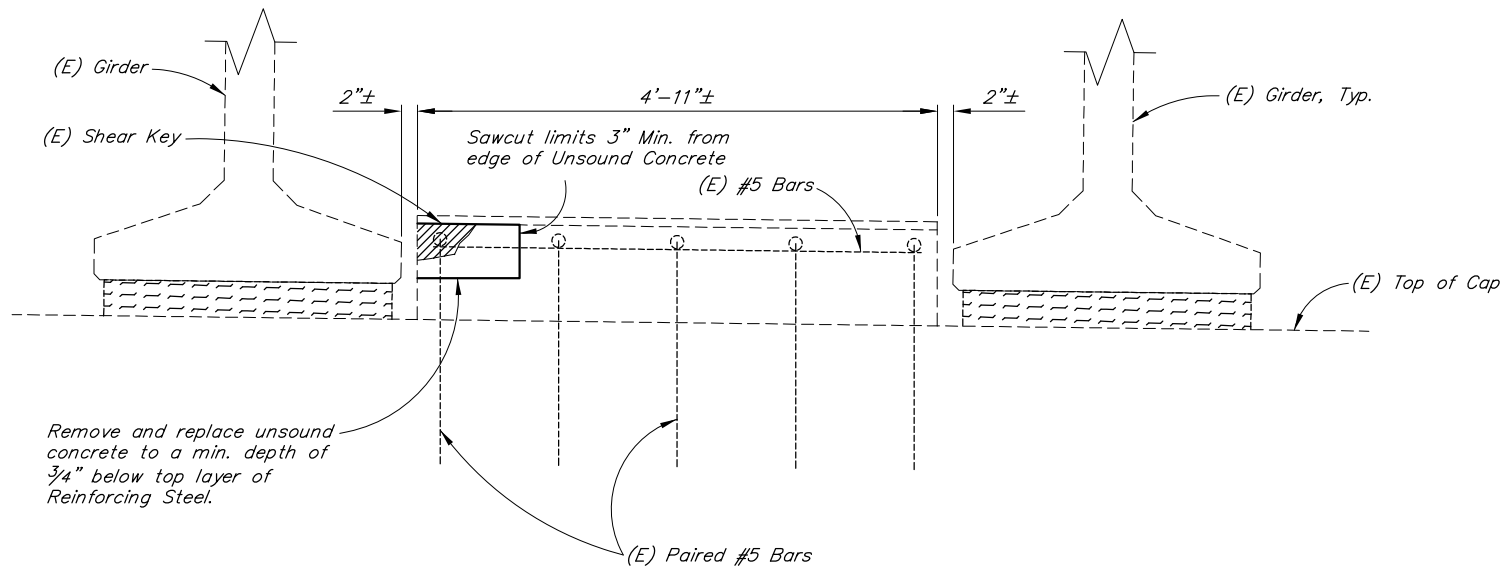
R:\cad\Earthquake 2018 Bridges\2307-Hidewall (4). Fri, Mar/20/20 3:29pm

DESIGNED BY: Ben Still	CHECKED: Nick Murray	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975	TRUNK ROAD OVERHEAD TRUNK ROAD ABUTMENT 2	 BRIDGE NO. 2307 DWG. NO. 3
DRAWN BY: [Blank]				
QUANT: [Blank]				

Preliminary

R:\cad\Earthquake 2018 Bridges\2307-Hidewall (3) Fri, Mar/20/20 3:29pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N5	N65



- NOTES:**
- (E) = Existing
 - = Existing
 - = Proposed
 - = Unsound Concrete
1. Locations and sizes of unsound concrete are for illustration purposes only.

DESIGNED BY: Ben Still
CHECKED: Nick Murray

DRAWN BY: [Blank]
QUANTITY: [Blank]

Preliminary

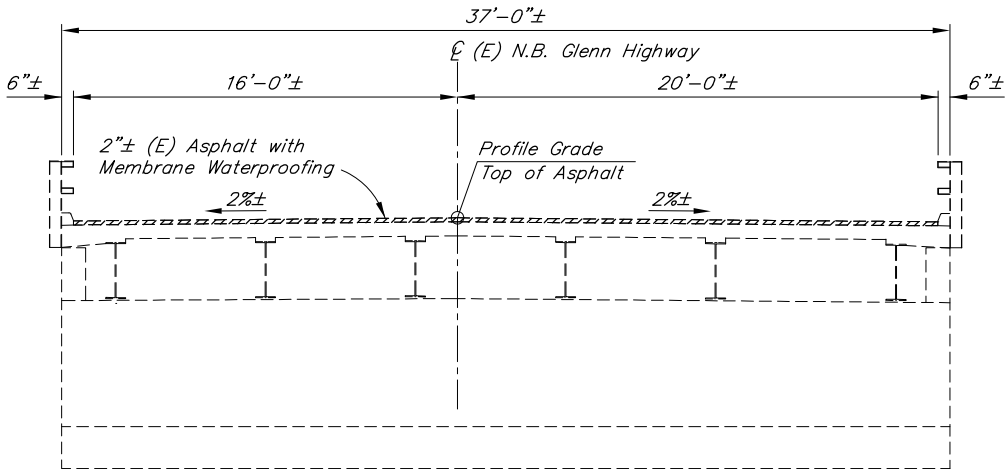
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

TRUNK ROAD OVERHEAD
TRUNK ROAD
ABUTMENT 2 SHEAR KEY DETAILS

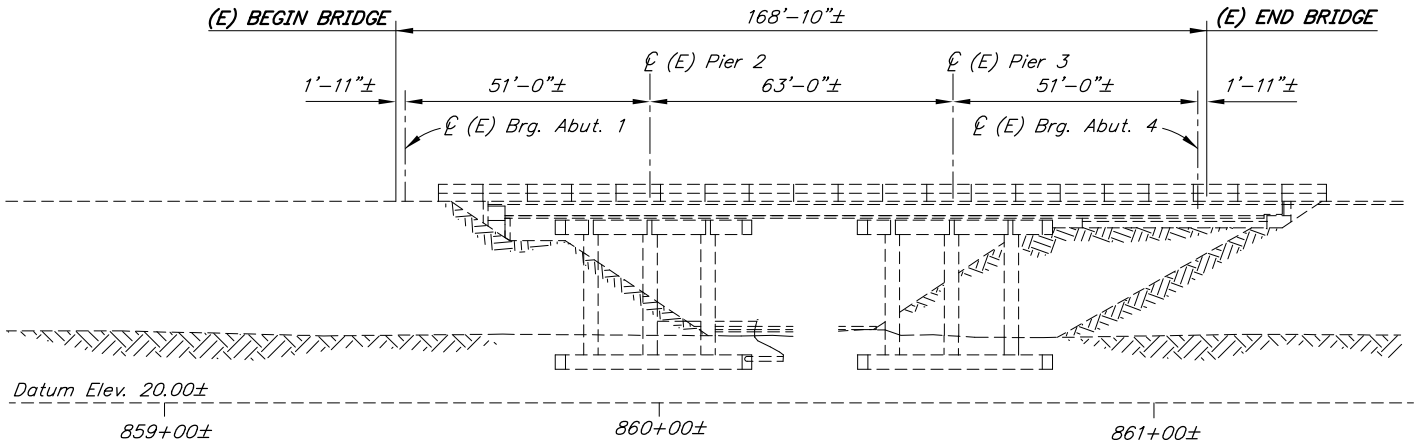
BRIDGE NO. 2307
DWG. NO. 4

C:\Users\mcfoster1\AppData\Local\Temp\AcPublish_2976\1266-GENERAL LAYOUT Fri, Mar/20/20 03:43pm

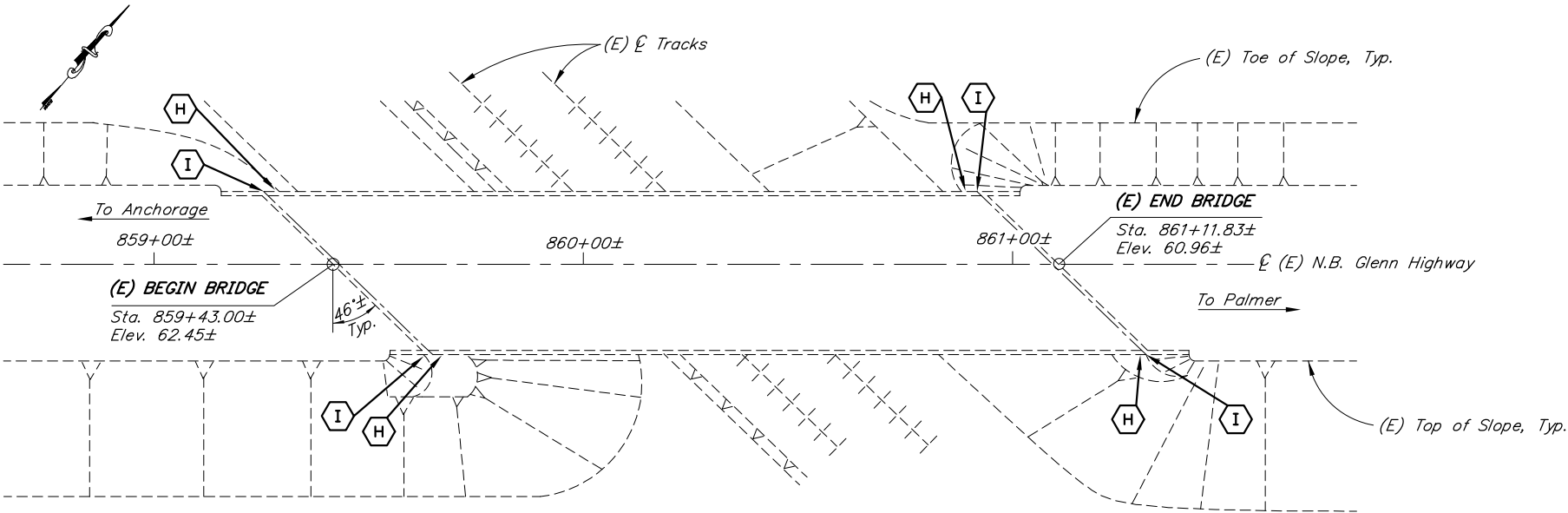
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N6	N65



TYPICAL SECTION



ELEVATION



PLAN



BRIDGE DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
DAMAGED LOCATIONS	2
ABUTMENT 1	3
ABUTMENT 4	4

LEGEND	
	- Repair Hiderwalls
	- Inject Cracks

NOTES:

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

Bridge stations and elevations are based on as-built drawings.

DESIGNED BY: Ben Still
CHECKED: Nick Murray

DRAWN: **Preliminary**
QUANTITIES:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

GLENN HIGHWAY RAILROAD O.H. - N.B.
GLENN HIGHWAY
GENERAL LAYOUT



BRIDGE NO. 1266
DWG. NO. 1

C:\Users\mcfoster1\AppData\Local\Temp\AcPublish_2976\1266-LOCATIONS Fri, Mar/20/20 03:43pm

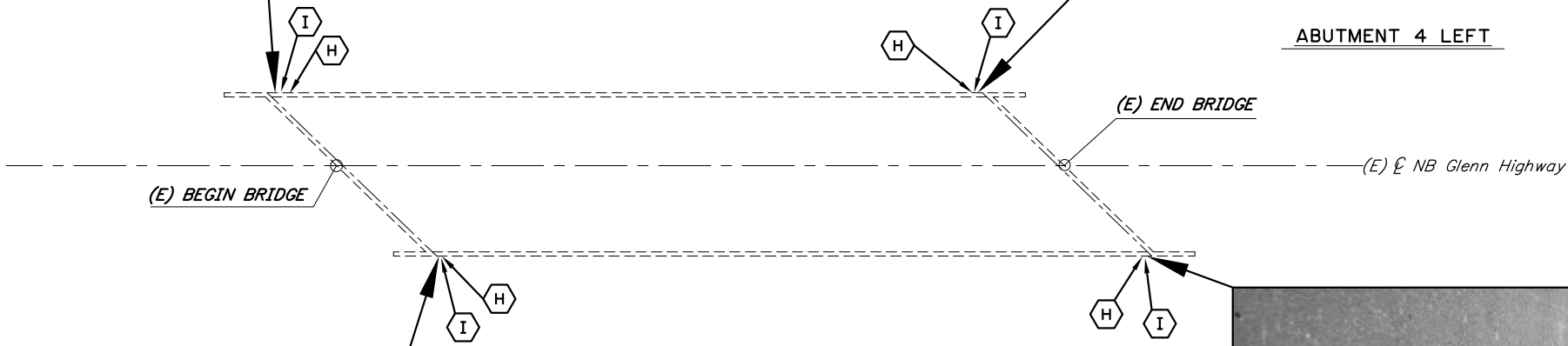
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N7	N65



ABUTMENT 1 LEFT



ABUTMENT 4 LEFT



PLAN
No Scale



ABUTMENT 1 RIGHT



ABUTMENT 4 RIGHT

LEGEND	
	Repair Hiderwalls
	Inject Cracks

NOTES:

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

DESIGNED BY:	Ben Still	CHECKED:	Nick Murray
--------------	-----------	----------	-------------

DRAWN
QUANTIFIED
Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

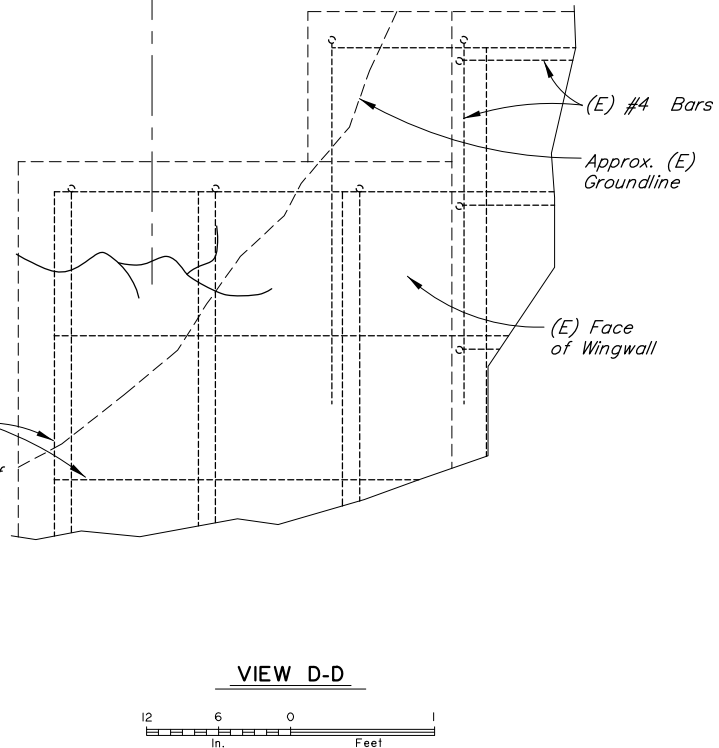
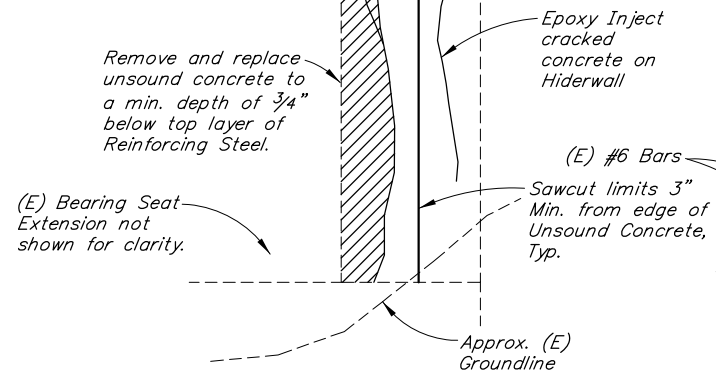
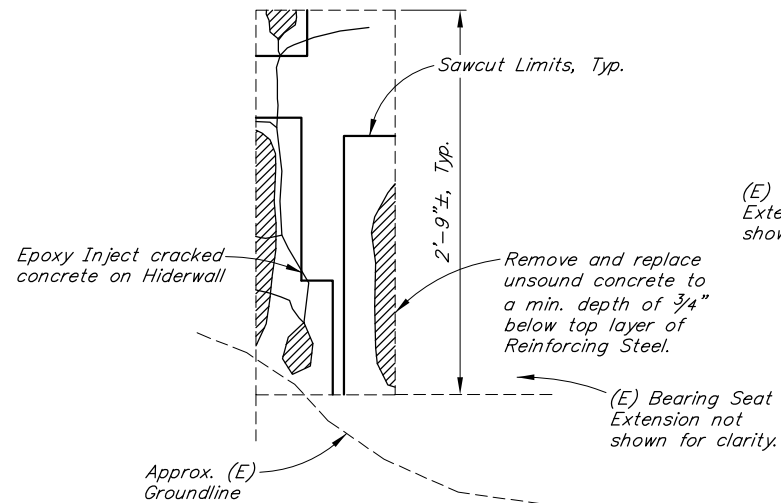
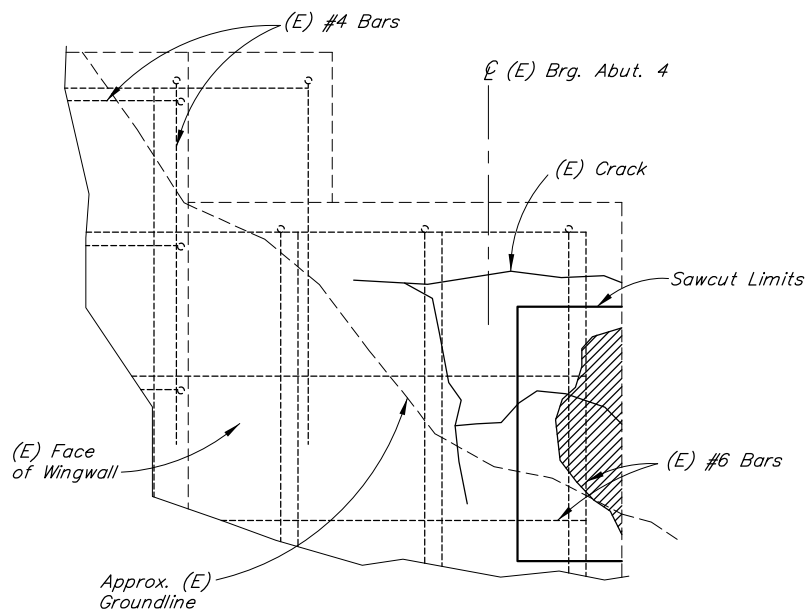
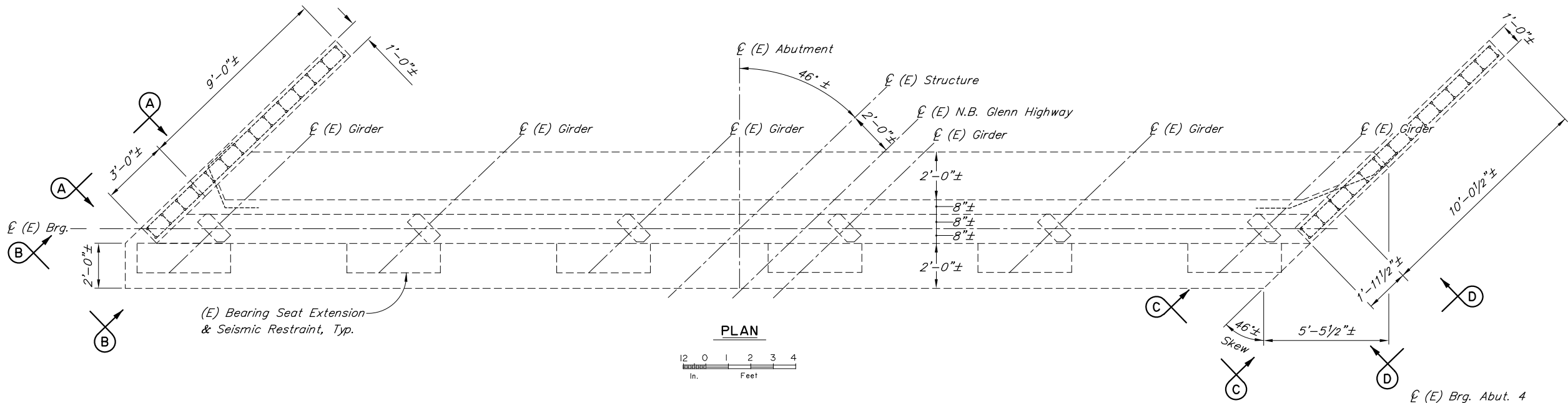
GLENN HIGHWAY RAILROAD O.H. - N.B.
GLENN HIGHWAY
DAMAGED LOCATIONS



BRIDGE NO. 1266
DWG. NO. 2

C:\Users\mcfoster1\AppData\Local\Temp\AcPublish_2976\1266-ABUT 2 Fri, Mar/20/20 03:43pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N9	N65



NOTES:

- (E) = Existing
- = Existing
- = Proposed
- [Hatched] = Unsound Concrete

- Locations and sizes of unsound concrete and cracks are for illustration purposes only.

DESIGNED BY: Ben Still
CHECKED: Nick Murray
DRAWN: **Preliminary**
QUANTITIES:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

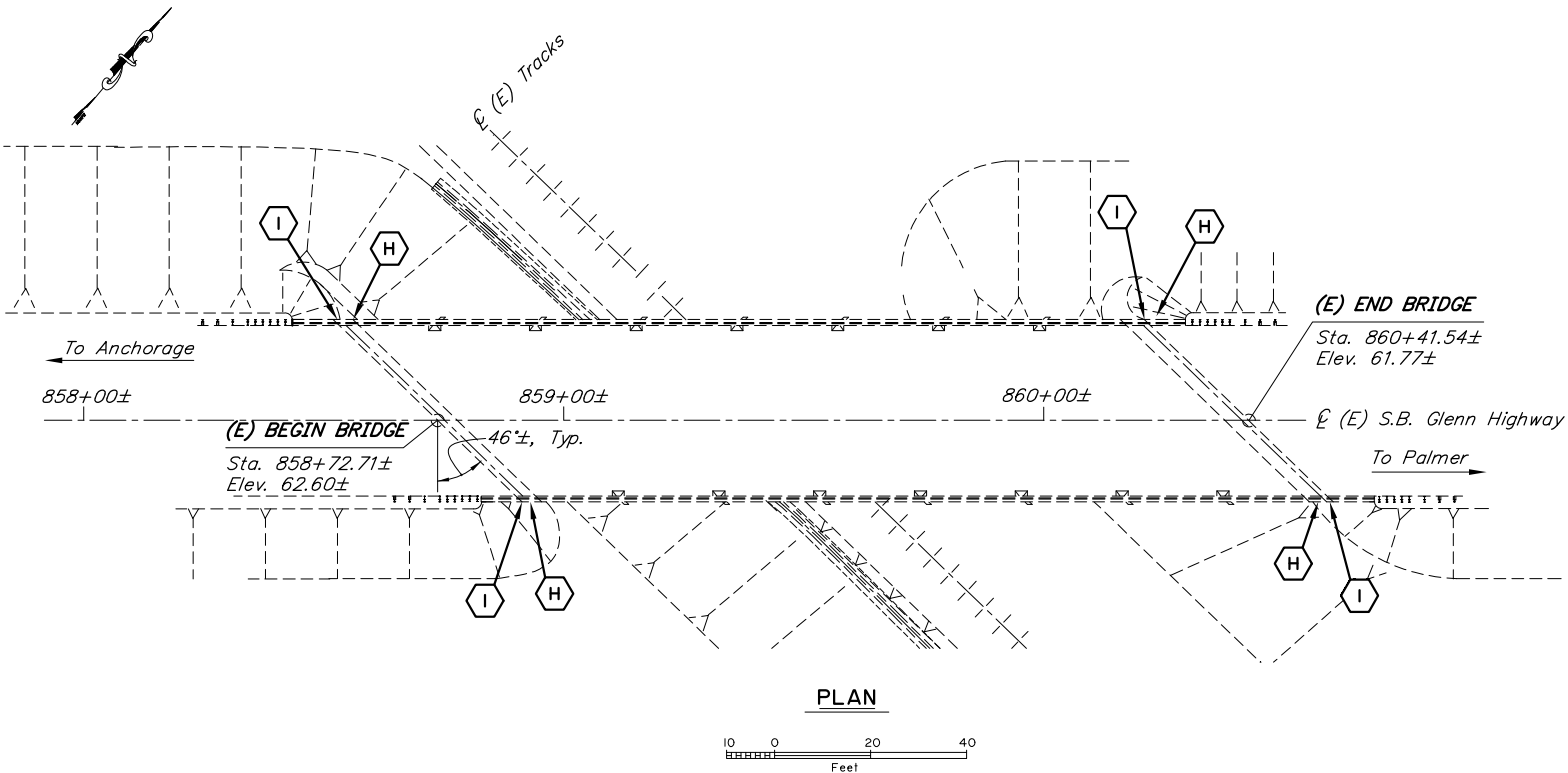
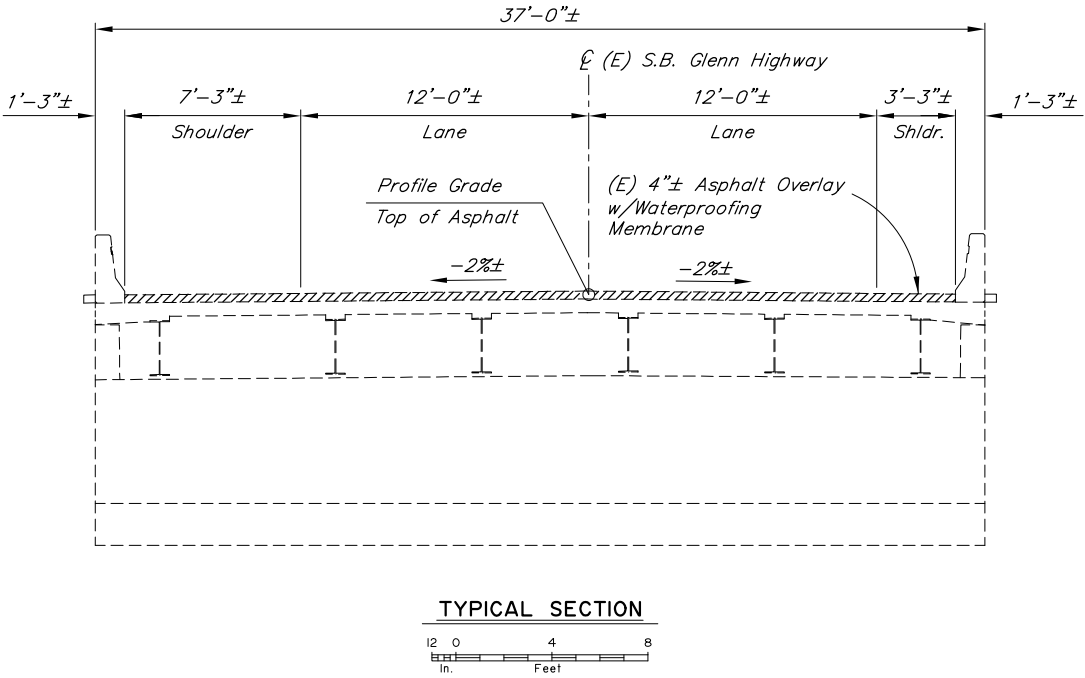
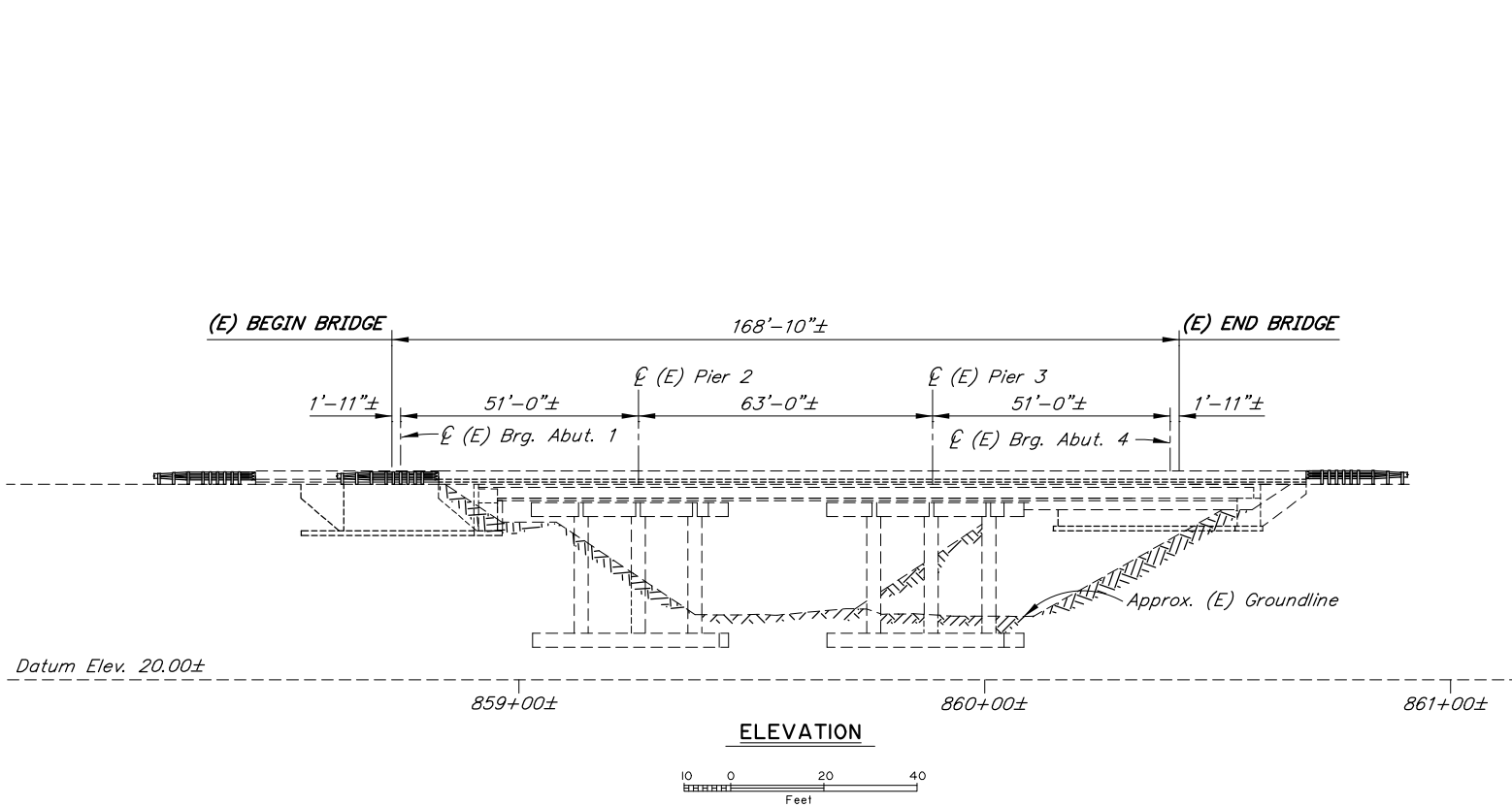
GLENN HIGHWAY RAILROAD O.H. - N.B.
GLENN HIGHWAY
ABUTMENT 4



BRIDGE NO. 1266
DWG. NO. 4

C:\Users\mcfoster1\AppData\Local\Temp\AcPublish_2976\1865-GENERAL LAYOUT Fri, Mar/20/20 03:47pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N10	N65



BRIDGE DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
DAMAGED LOCATIONS	2
ABUTMENT 1	3
ABUTMENT 4	4

NOTES:

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

Bridge stations and elevations are based on as-built drawings.

DESIGNED BY: Ben Still

CHECKED: Nick Murray

DRAWN: **Preliminary**

QUANTITIES:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

GLENN HIGHWAY RAILROAD O.H. - S.B.
GLENN HIGHWAY
GENERAL LAYOUT



BRIDGE NO. 1865
DWG. NO. 1

C:\Users\mcfoster1\AppData\Local\Temp\AcPublish_2976\1865-LOCATIONS Fri, Mar/20/20 03:47pm

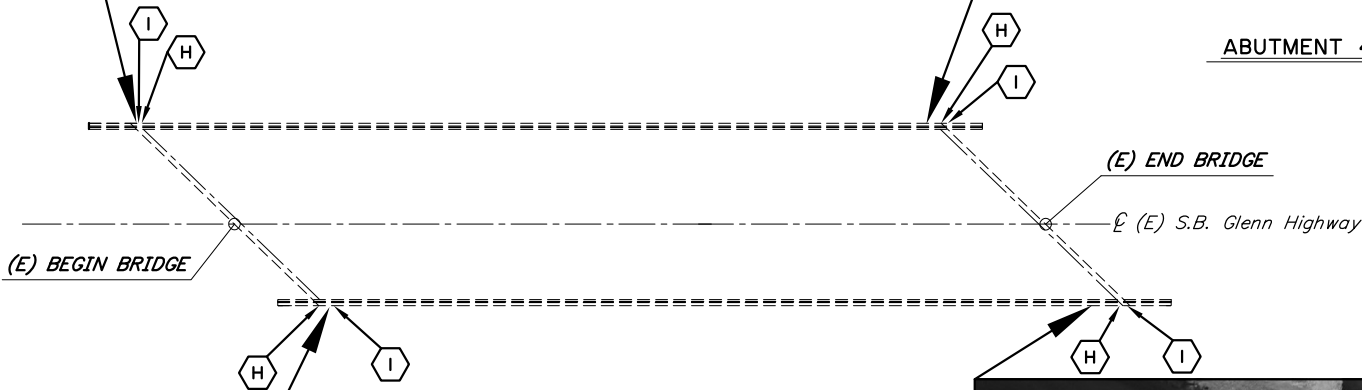
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N11	N65



ABUTMENT 1 LEFT



ABUTMENT 4 LEFT



PLAN

No Scale



ABUTMENT 1 RIGHT



ABUTMENT 4 RIGHT

LEGEND	
	Repair Hiderwalls
	Inject Cracks

NOTES:

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

DESIGNED BY:	Ben Still	CHECKED:	Nick Murray
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DRAWN
QUAN

Preliminary

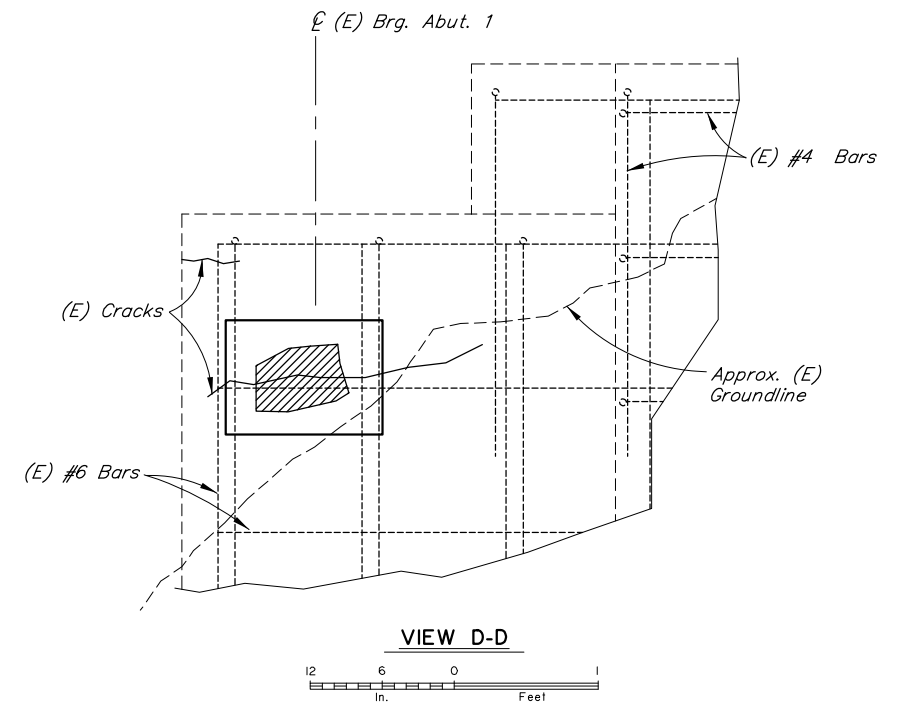
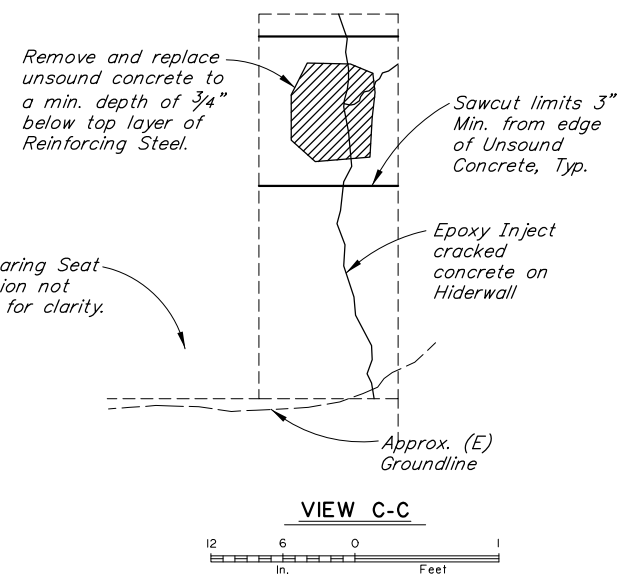
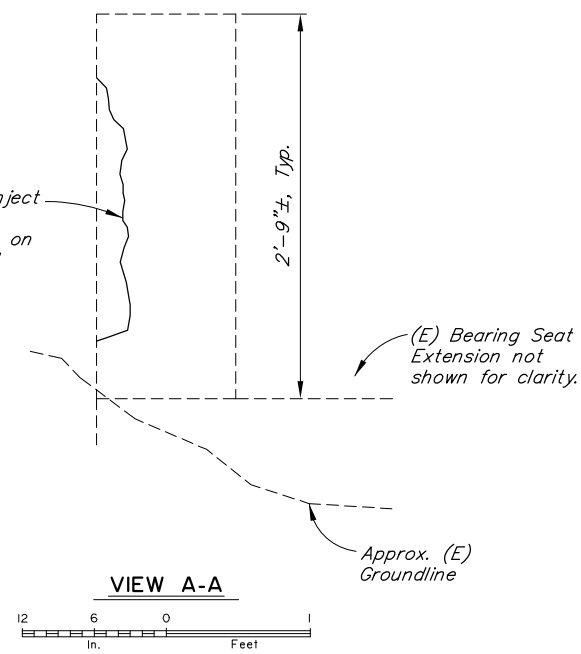
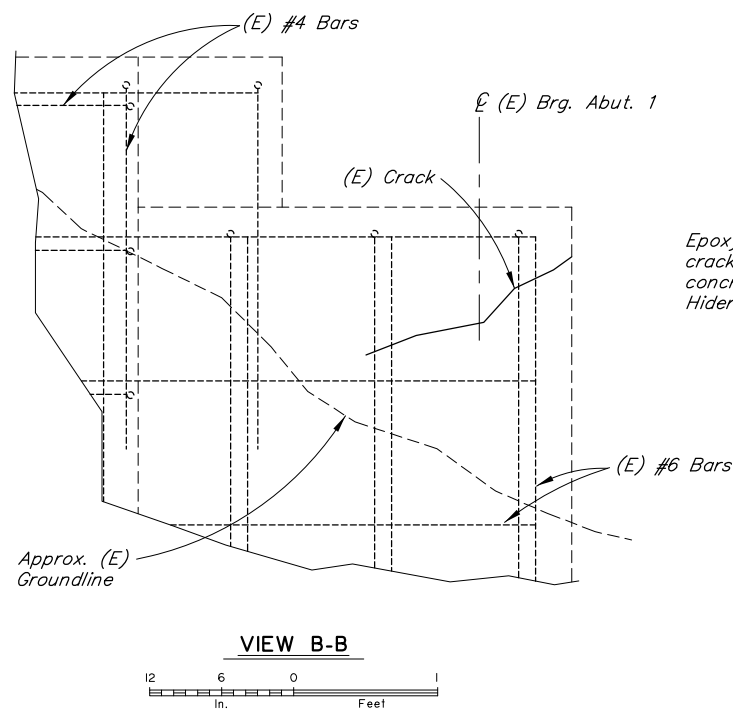
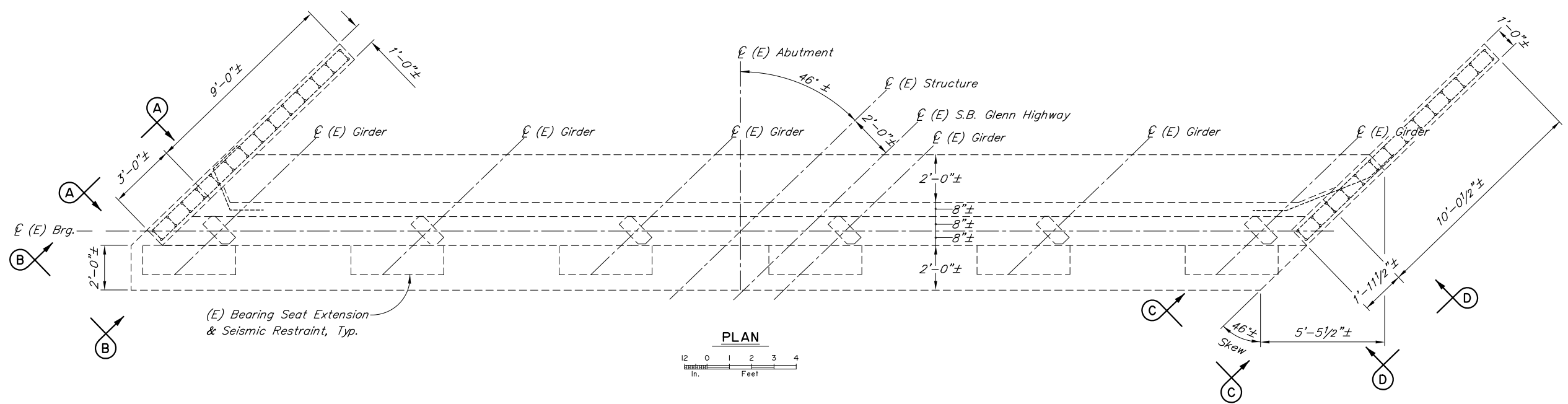
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

GLENN HIGHWAY RAILROAD O.H. - S.B.
GLENN HIGHWAY
DAMAGED LOCATIONS



BRIDGE NO. 1865
DWG. NO. 2

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N12	N65



NOTES:

- (E) = Existing
- - - = Existing
- = Proposed
- [Hatched Box] = Unsound Concrete

- Locations and sizes of unsound concrete and cracks are for illustration purposes only.

DESIGNED BY: Ben Still CHECKED: Nick Murray

DRAWN: **Preliminary**

QUAN

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

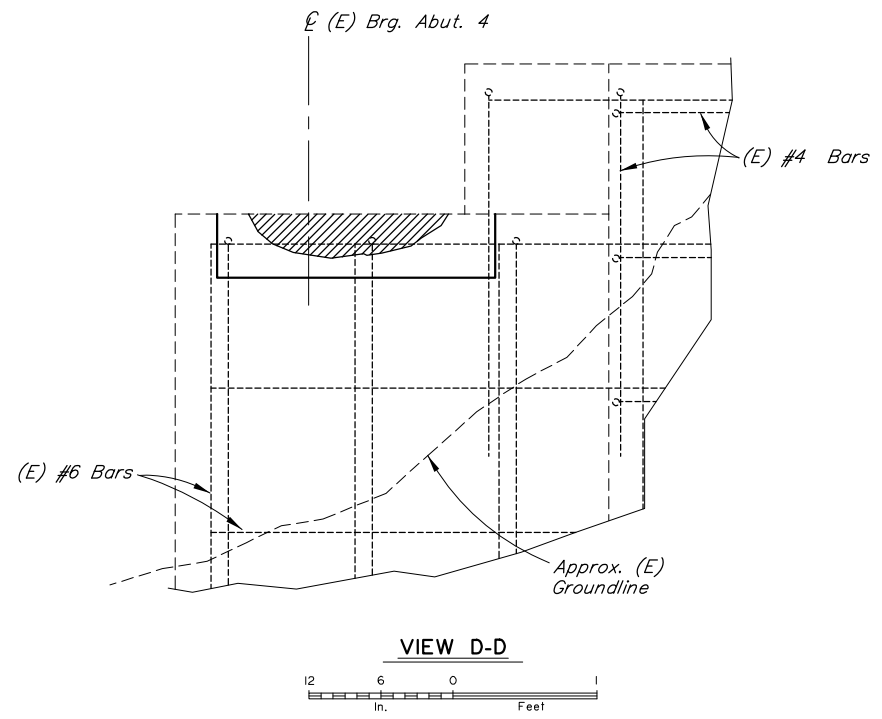
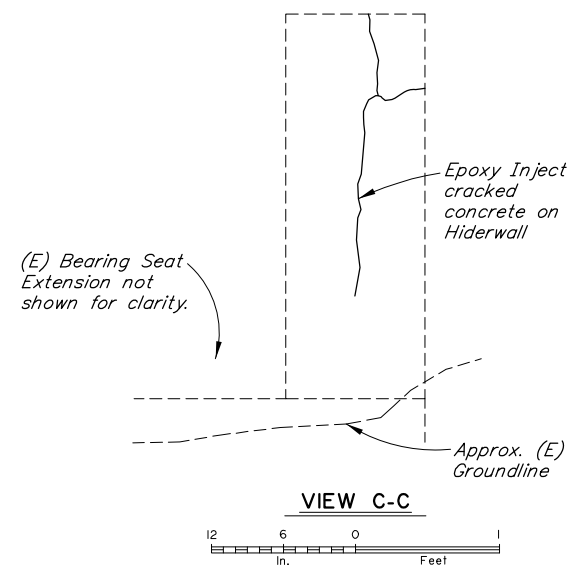
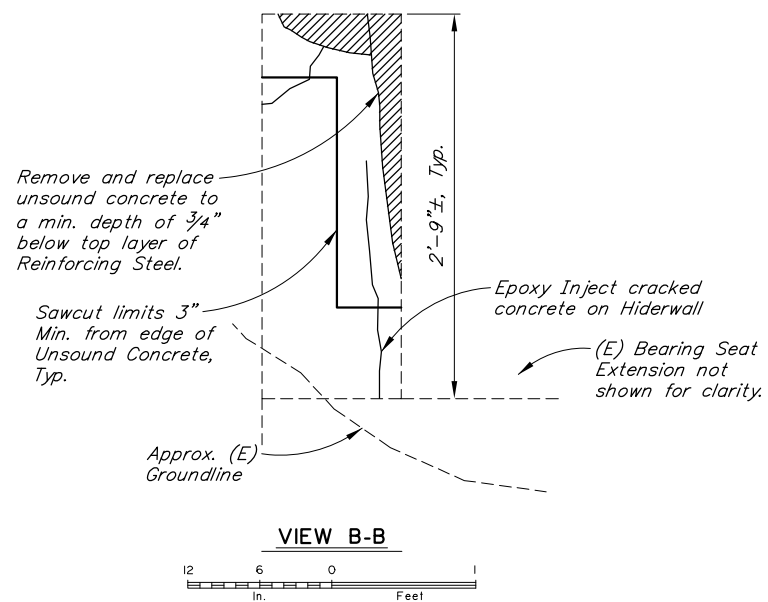
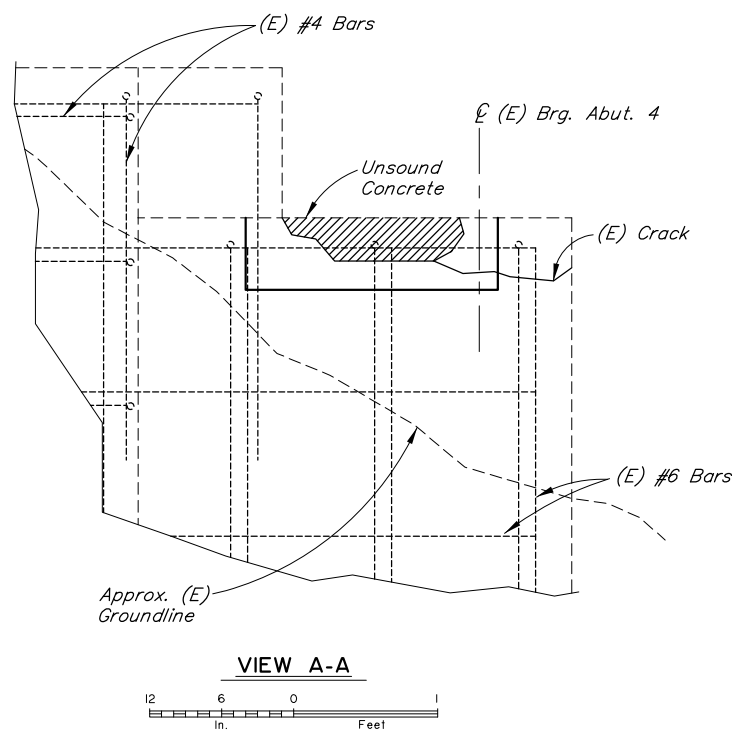
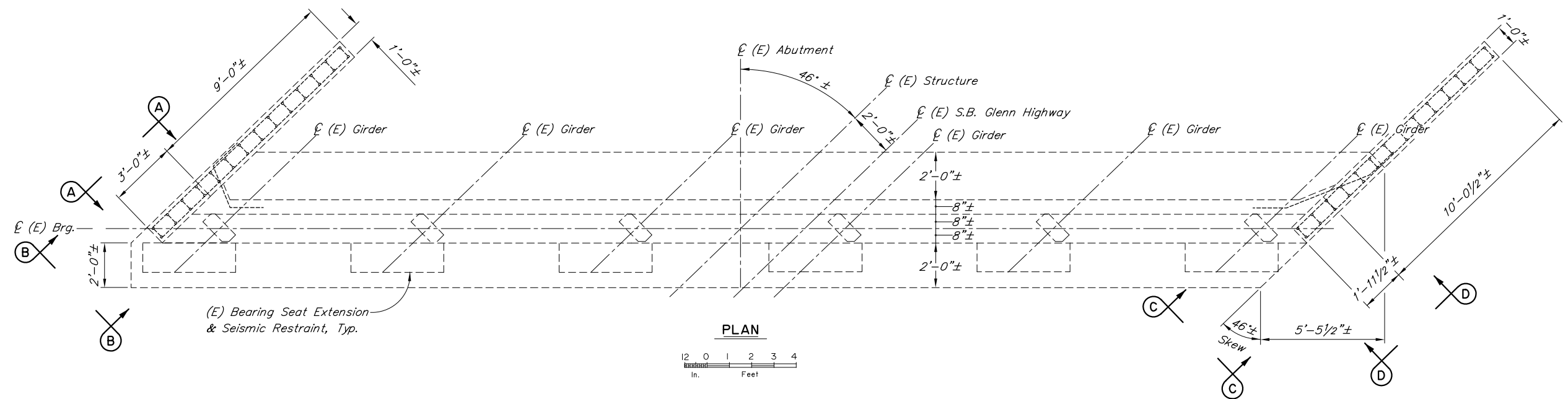
GLENN HIGHWAY RAILROAD O.H. - S.B.
GLENN HIGHWAY
ABUTMENT 1



BRIDGE NO. 1865
DWG. NO. 3

C:\Users\mcfoster1\AppData\Local\Temp\AcPublish_2976\1865-ABUT-1 Fri, Mar/20/20 03:47pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N13	N65



- NOTES:
- (E) = Existing
 - - - = Existing
 - = Proposed
 - [Hatched] = Unsound Concrete

1. Locations and sizes of unsound concrete and cracks are for illustration purposes only.

DESIGNED BY: Ben Still
CHECKED: Nick Murray

DRAWN: **Preliminary**
QUANTITIES:

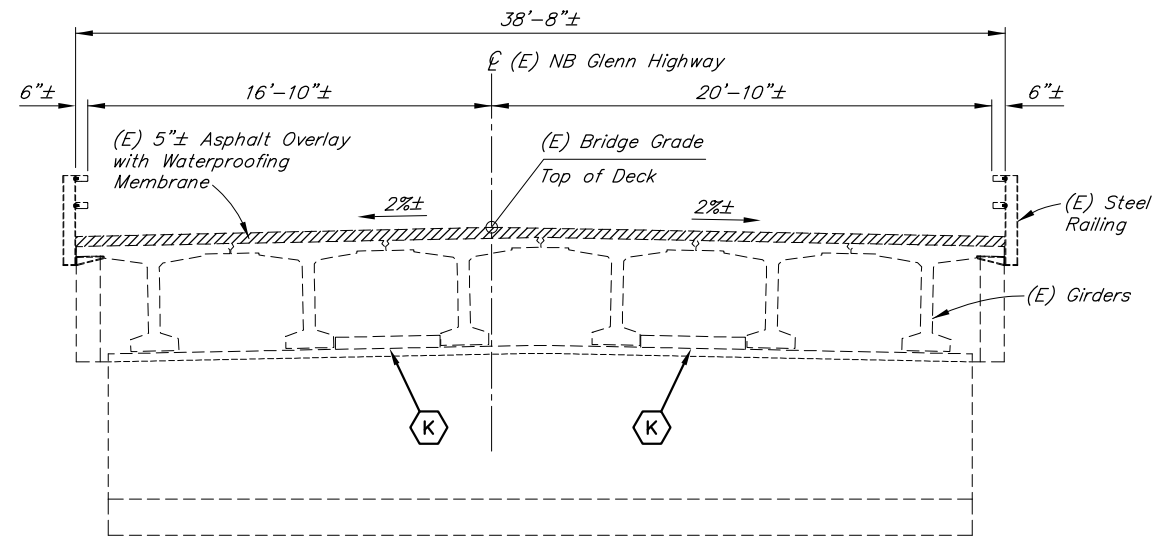
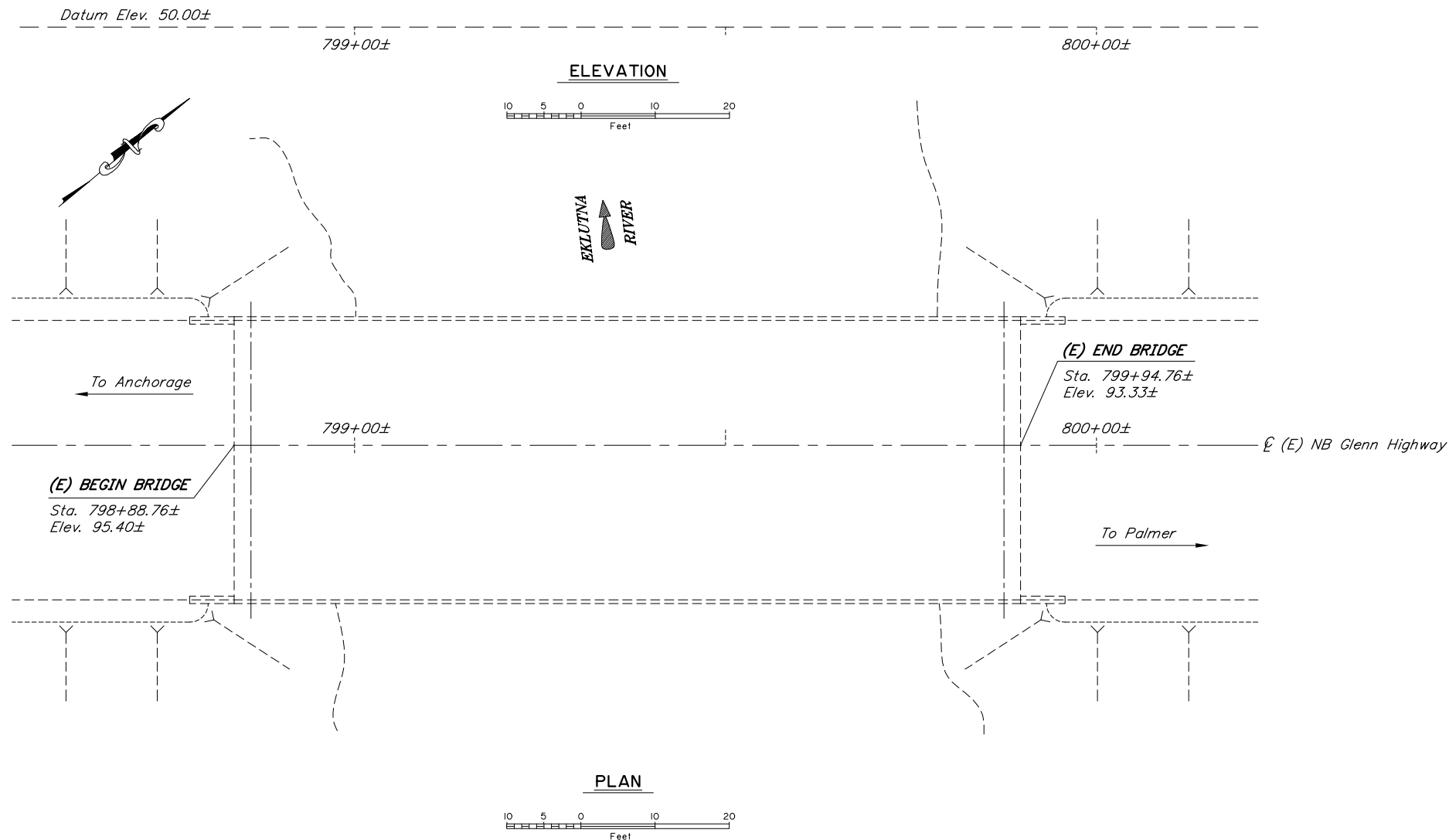
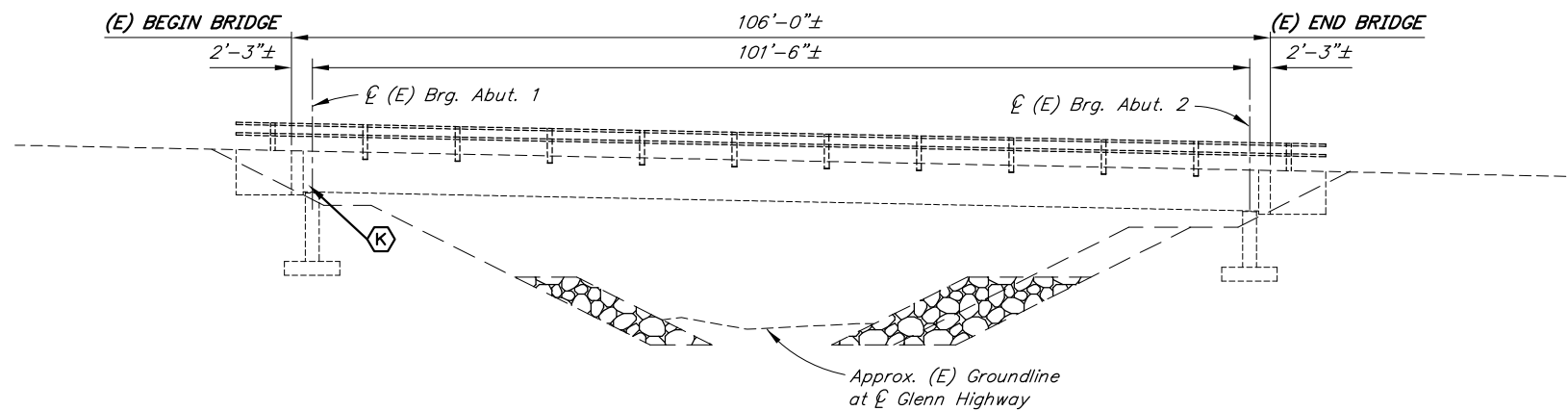
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

GLENN HIGHWAY RAILROAD O.H. - S.B.
GLENN HIGHWAY
ABUTMENT 4

BRIDGE NO. 1865
DWG. NO. 4

R:\cad\Earthquake 2018 Bridges\1230-GENERAL LAYOUT Fri, Mar/20/20 3:48pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N14	N65



TYPICAL SECTION



BRIDGE DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
DAMAGED LOCATIONS ABUTMENT 1	2
ABUTMENT 1 DETAILS	3

LEGEND
(K) - Replace Shear Keys

NOTES:

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

Bridge stations and elevations are based on as-built drawings.

DESIGNED BY: Ben Still CHECKED: Nick Murray

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

EKLUTNA RIVER NORTHBOUND
GLENN HIGHWAY
GENERAL LAYOUT



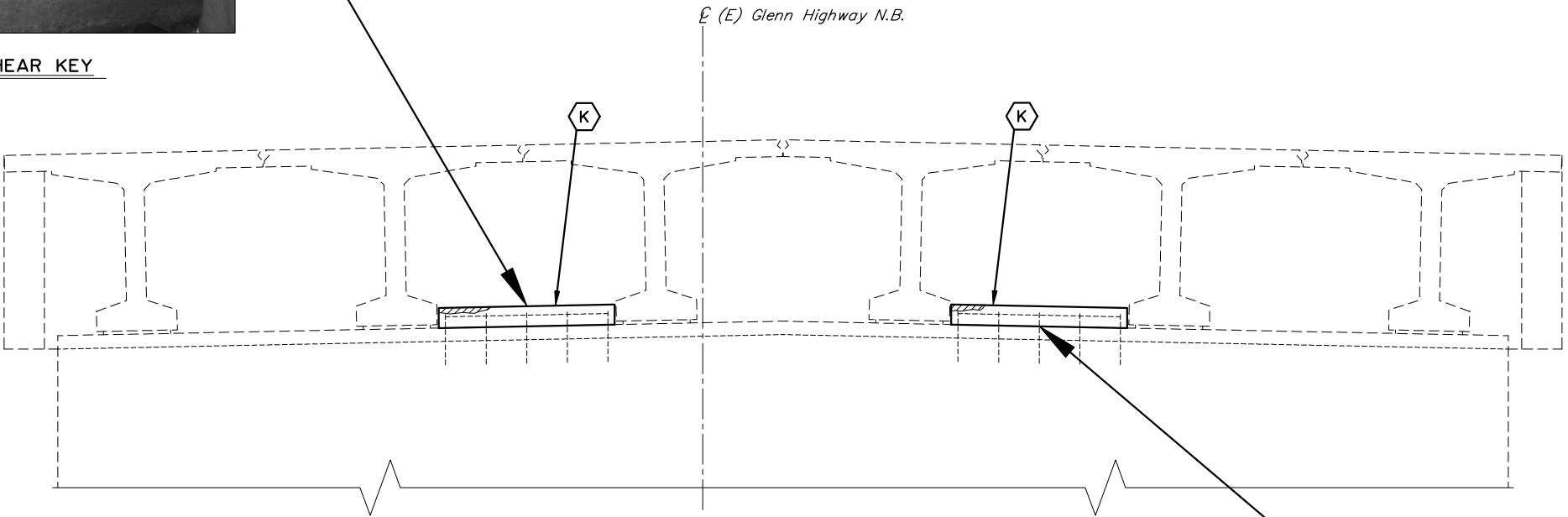
BRIDGE NO. 1230
DWG. NO. 1

R:\cod\Earthquake 2018 Bridges\1230-DAMAGE Mon, Mar/23/20 7:37am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N15	N65



ABUTMENT 1 BAY 2 SHEAR KEY



ABUTMENT 1 ELEVATION

(Looking Back on Station)
12 6 0 1 2 3 4
In. Feet



ABUTMENT 1 BAY 4 SHEAR KEY

LEGEND
- Replace Shear Keys

NOTES:
 = Unsound Concrete
(E) = Existing
----- = Existing
----- = Proposed

1. Locations and sizes of unsound concrete are for illustration purposes only.

DESIGNED BY:	Ben Still	CHECKED:	Nick Murray
DRAWN BY:		APPROVED:	
QUANT			

Preliminary

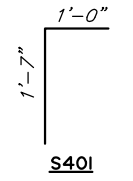
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

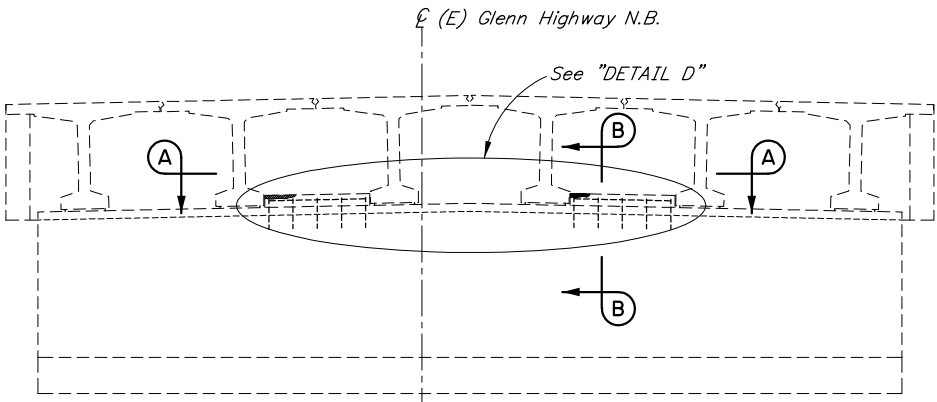
EKLUTNA RIVER NORTHBOUND
GLENN HIGHWAY
DAMAGED LOCATIONS ABUTMENT 1



BRIDGE NO. 1230
DWG. NO. 2

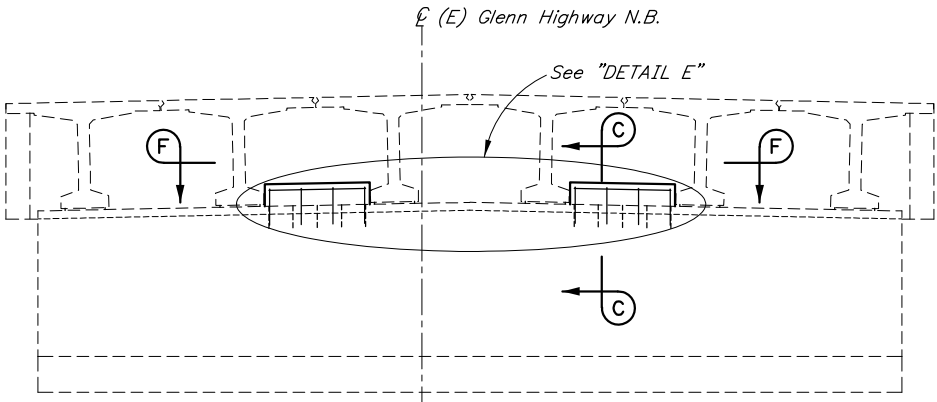
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N16	N65

REINFORCING STEEL - ABUTMENT 1					
MARK	NOTE	SIZE	NO.	LENGTH	BENDING DIAGRAM
S401		4	16	2'-7"	
S402		4	4	4'-0"	



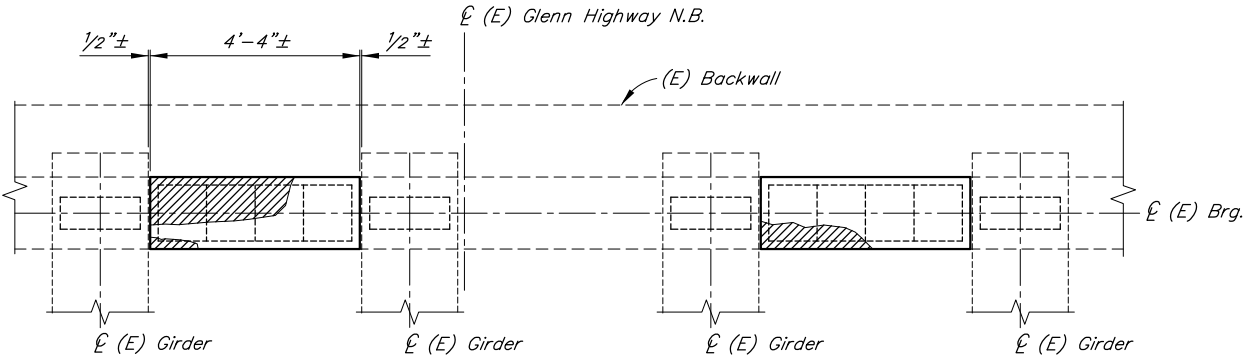
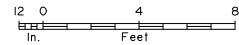
EXISTING ELEVATION

(Looking Back on Station)

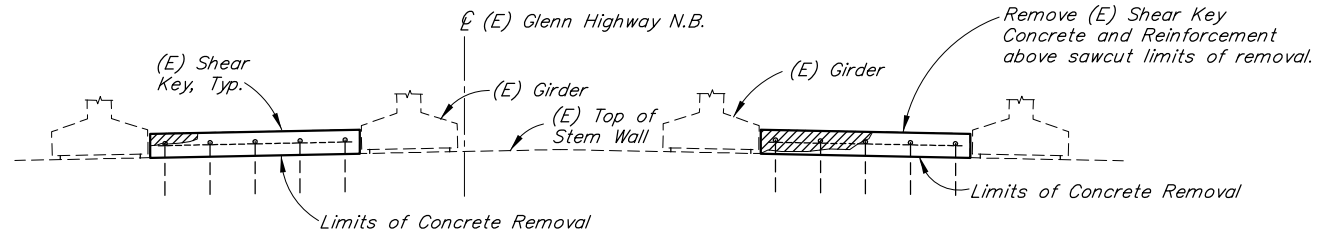
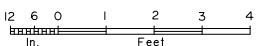


PROPOSED ELEVATION

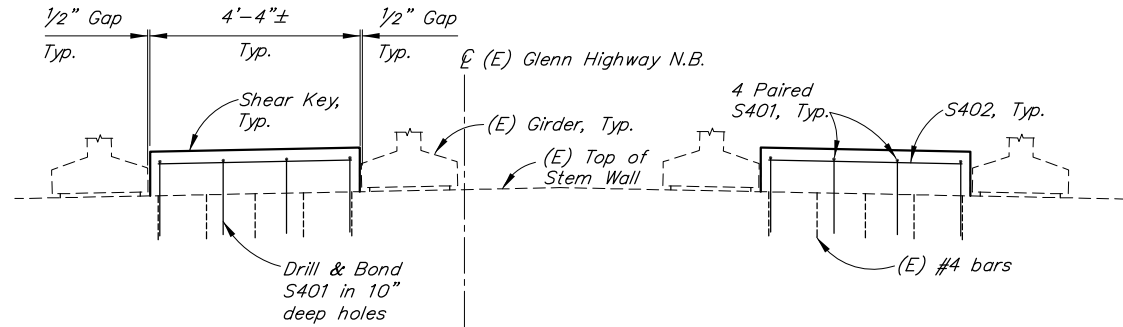
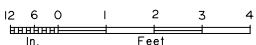
(Looking Back on Station)



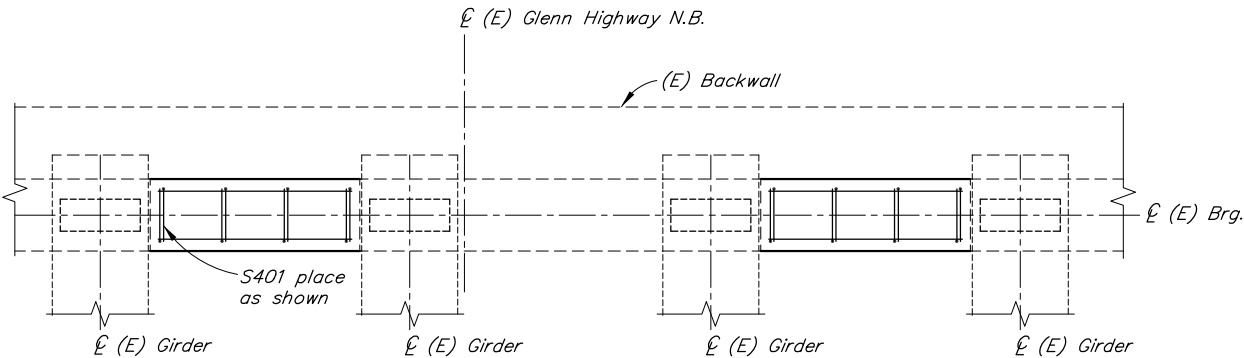
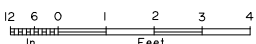
VIEW A-A



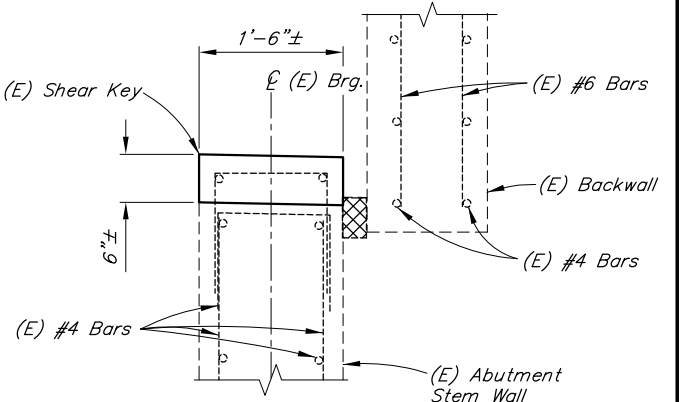
DETAIL D



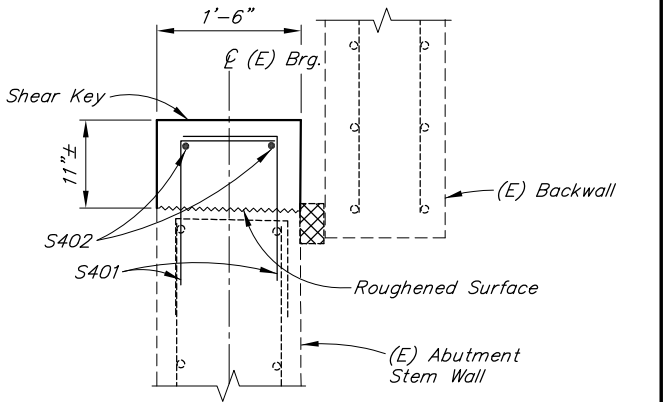
DETAIL E



VIEW F-F



SECTION B-B



SECTION C-C



NOTES:

-  = Unsound Concrete
- (E) = Existing
- - - = Existing
- = Proposed

- Locations and sizes of unsound concrete are for illustration purposes only.

DESIGNED BY: Ben Still CHECKED: Nick Murray

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

EKLUTNA RIVER NORTHBOUND
GLENN HIGHWAY
ABUTMENT 1 DETAILS



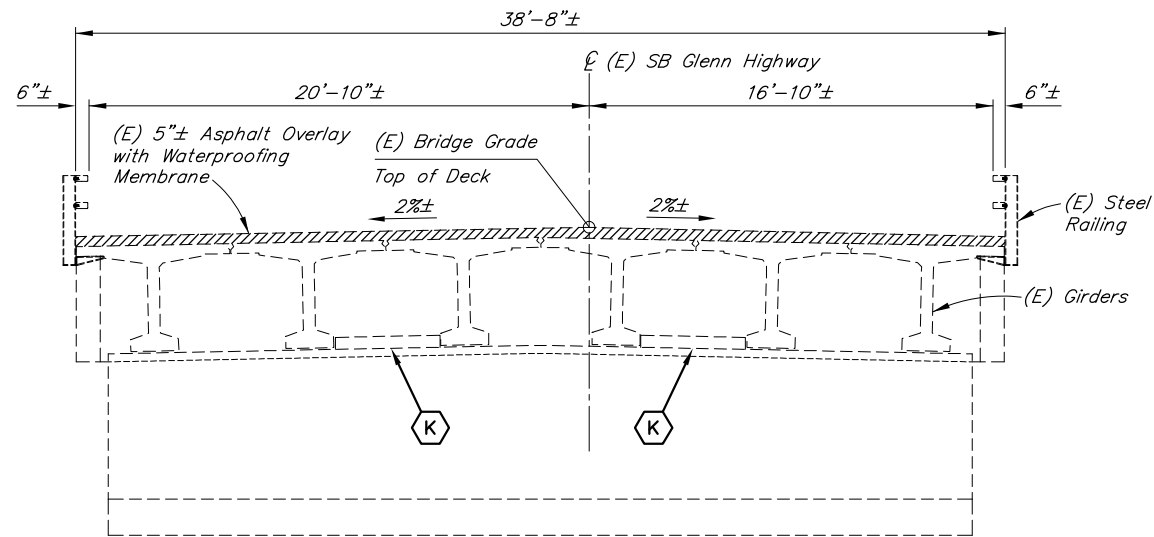
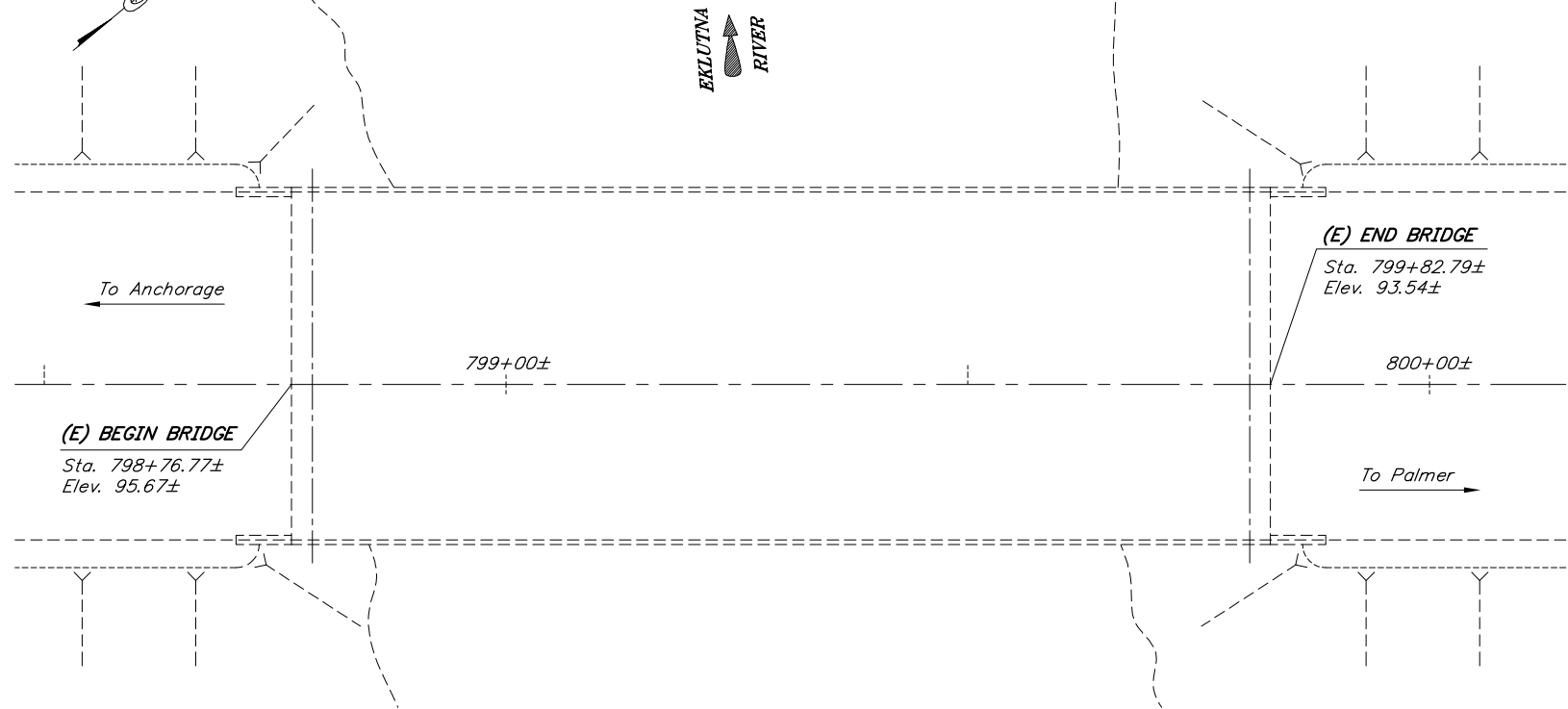
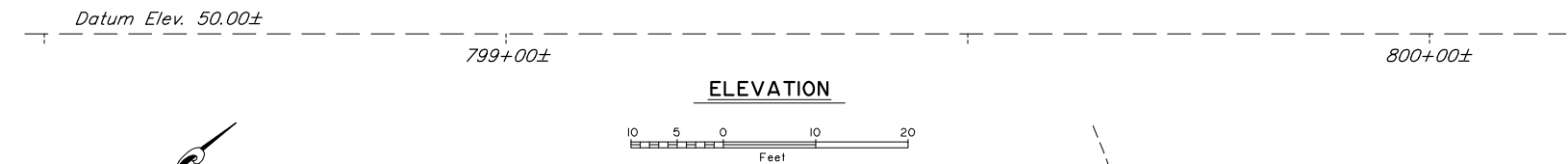
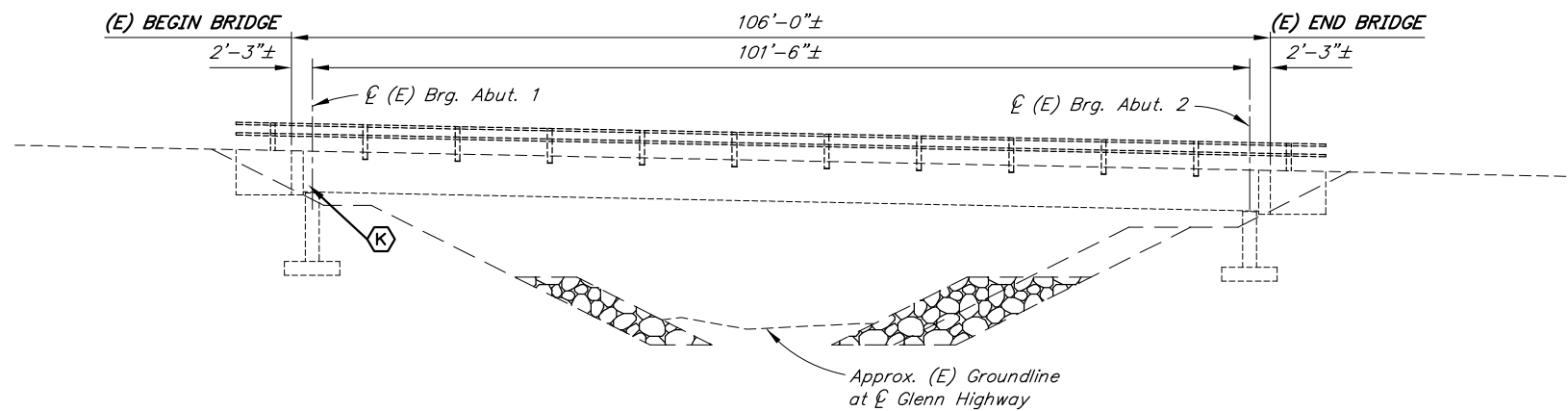
BRIDGE NO. 1230
DWG. NO. 3

Preliminary

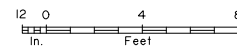
R:\cad\Earthquake 2018 Bridges\1230-ABUTS Fri, Mar/20/20 3:48pm

R:\cad\Earthquake 2018 Bridges\1864-1864 - GENERAL LAYOUT Fri, Mar/20/20 3:55pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N17	N65



TYPICAL SECTION



BRIDGE DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
DAMAGED LOCATIONS ABUTMENT I	2
ABUTMENT I DETAILS	3

LEGEND
(K) - Replace Shear Keys

NOTES:

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

Bridge stations and elevations are based on as-built drawings.

DESIGNED BY: Ben Still
CHECKED: Nick Murray
Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

EKLUTNA RIVER SOUTHBOUND
GLENN HIGHWAY
GENERAL LAYOUT

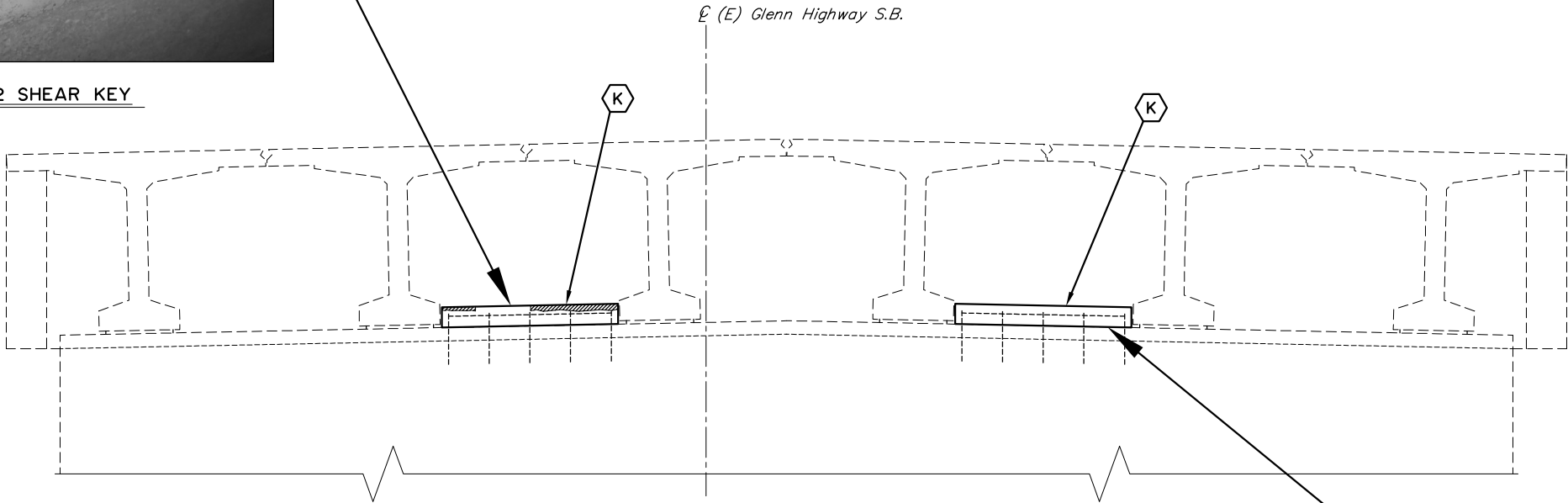


BRIDGE NO. 1864
DWG. NO. 1

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N18	N65



ABUTMENT 1 BAY 2 SHEAR KEY



ABUTMENT 1 ELEVATION

(Looking Back on Station)
12 6 0 1 2 3 4
In. Feet



ABUTMENT 1 BAY 4 SHEAR KEY

LEGEND
- Replace Shear Keys

- NOTES:**
- = Unsound Concrete
 - (E) = Existing
 - = Existing
 - = Proposed

1. Locations and sizes of unsound concrete are for illustration purposes only.

R:\cad\Earthquake 2018 Bridges\1864-1864 - DAMAGE Fri, Mar/20/20 3:55pm

DESIGNED BY: Ben Still CHECKED: Nick Murray

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

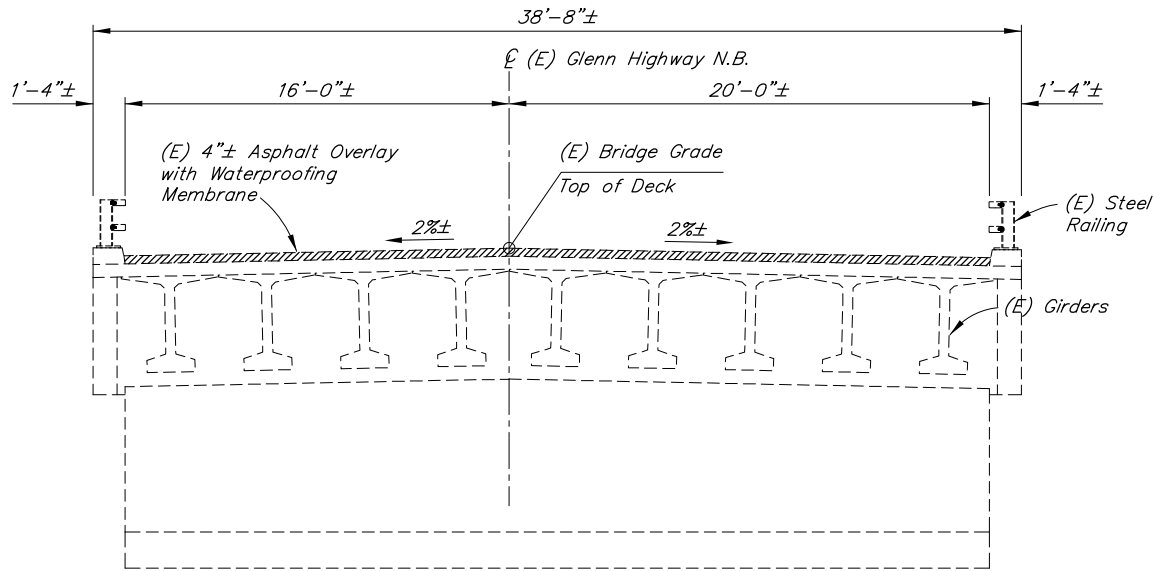
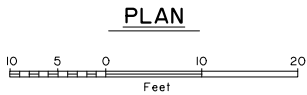
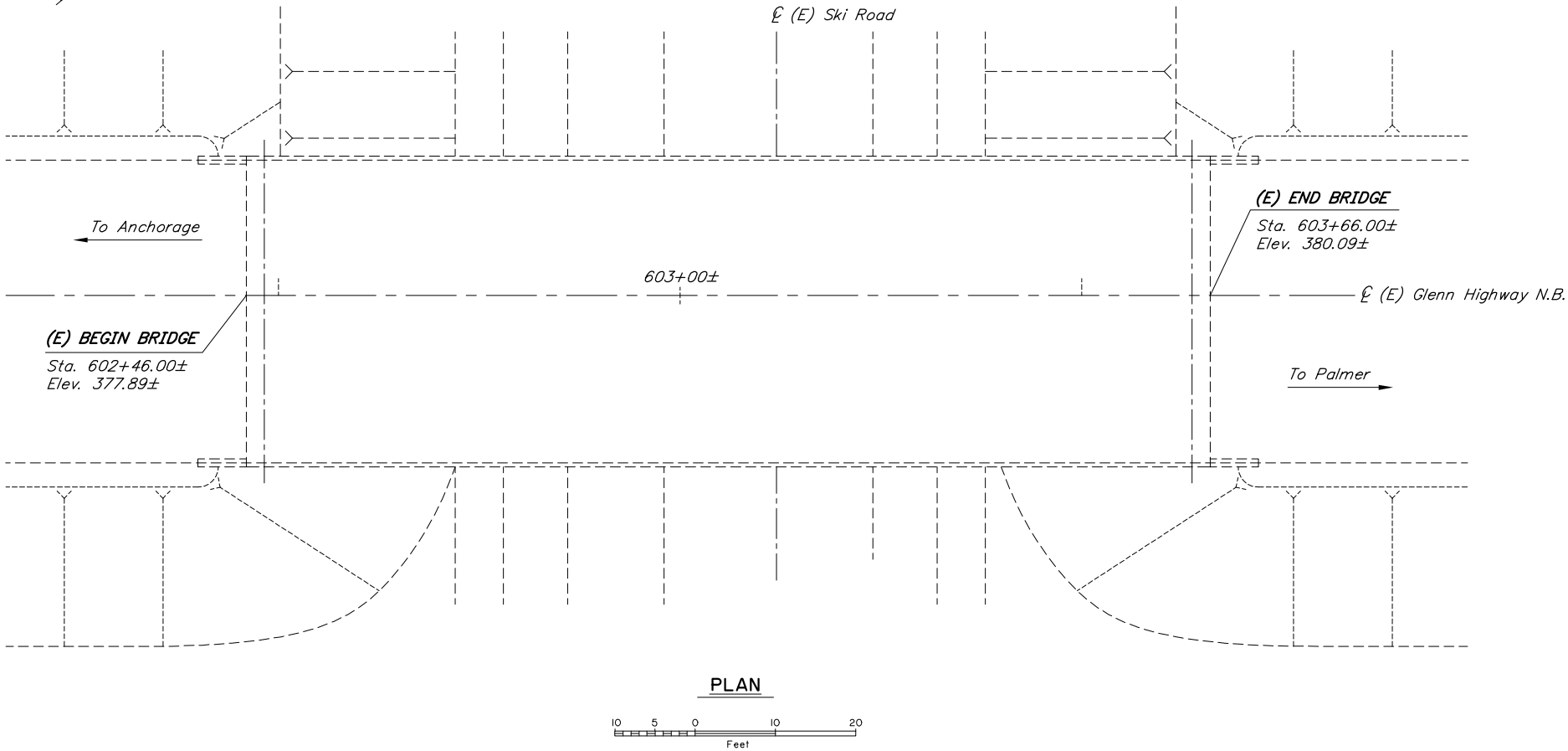
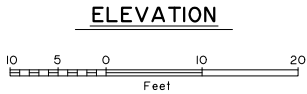
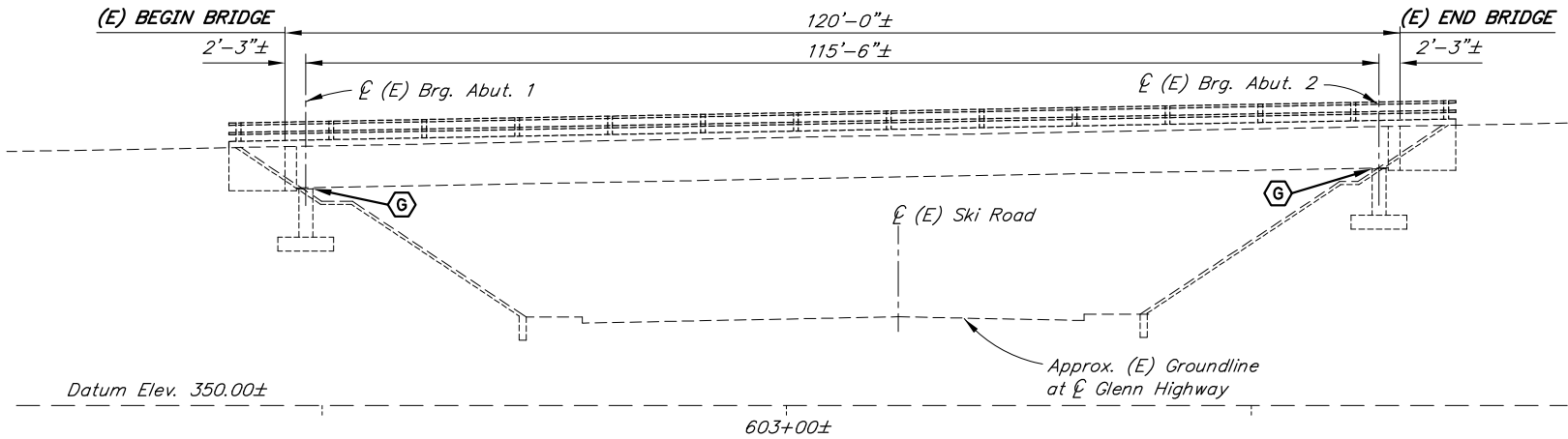
EKLUTNA RIVER SOUTHBOUND
GLENN HIGHWAY
DAMAGED LOCATIONS ABUTMENT 1



BRIDGE NO. 1864
DWG. NO. 2

C:\Users\mcfoster1\AppData\Local\Temp\AcPublish_2976\1367-1367 - GENERAL LAYOUT Fri, Mar/20/20 04:01pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N20	N65



TYPICAL SECTION



BRIDGE DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
ABUTMENT DETAILS	2

LEGEND
- Repair Grout Pads

NOTES:

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

Bridge stations and elevations are based on as-built drawings.

DESIGNED BY: Ben Still
CHECKED: Nick Murray

DRAWN BY: **Preliminary**
QUANTITY:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

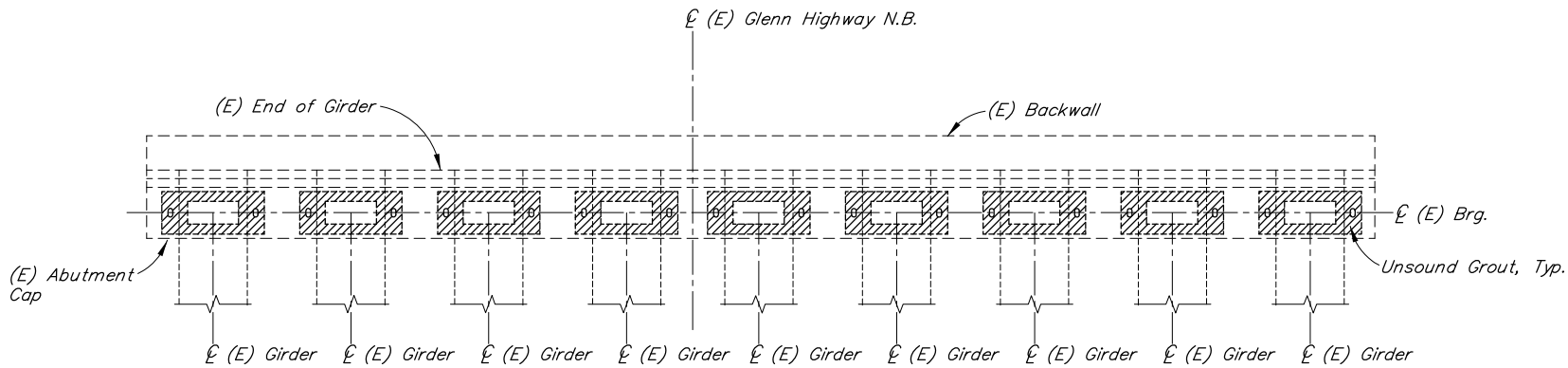
PETER'S CREEK UNDERCROSSING N.B.
GLENN HIGHWAY
GENERAL LAYOUT



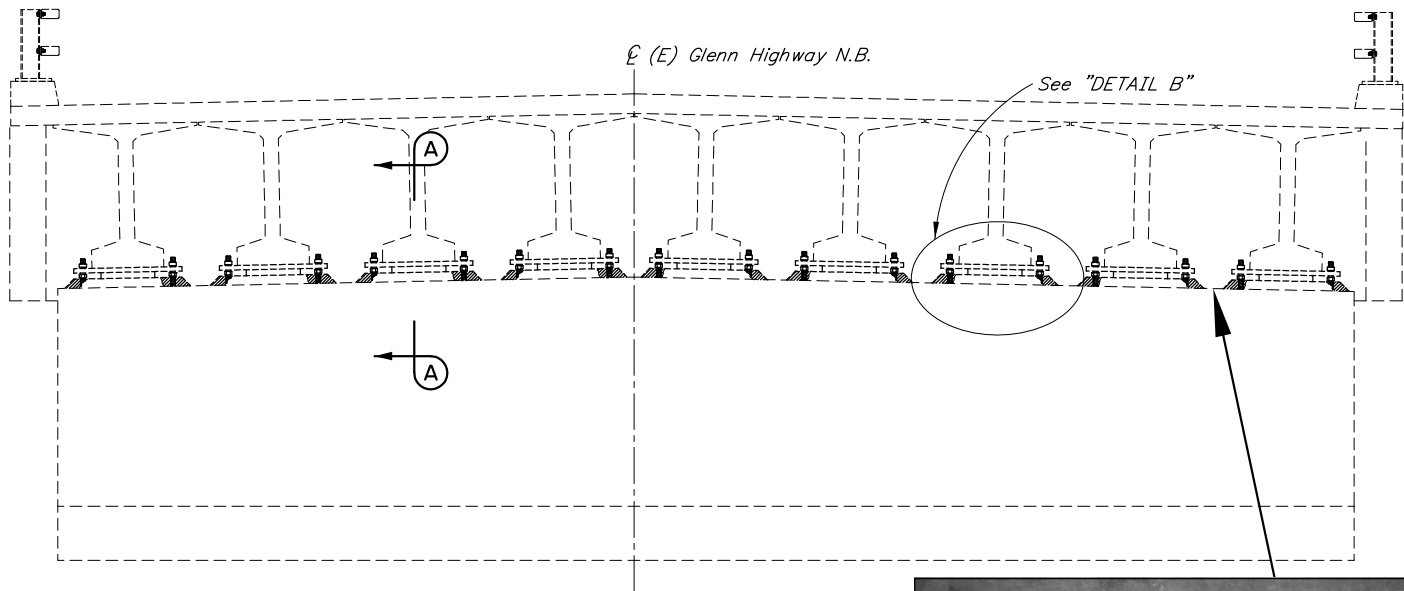
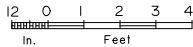
BRIDGE NO. 1367
DWG. NO. 1

C:\Users\mcfoster1\AppData\Local\Temp\AcPublish_2976\1367-1367 - GROUT PADS Fri, Mar/20/20 04:01 pm

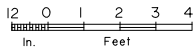
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N21	N65



PLAN

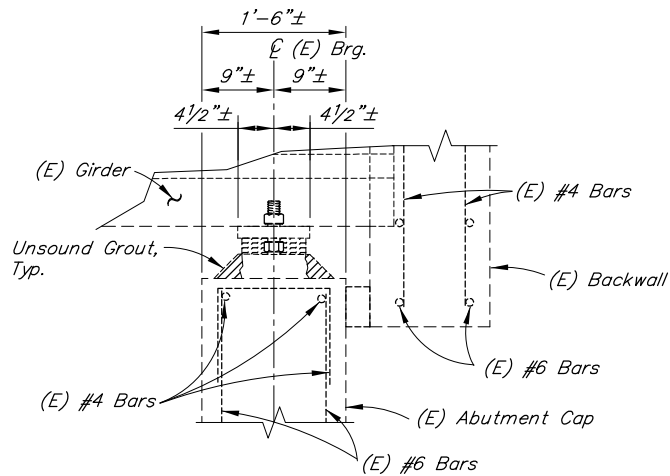


ELEVATION

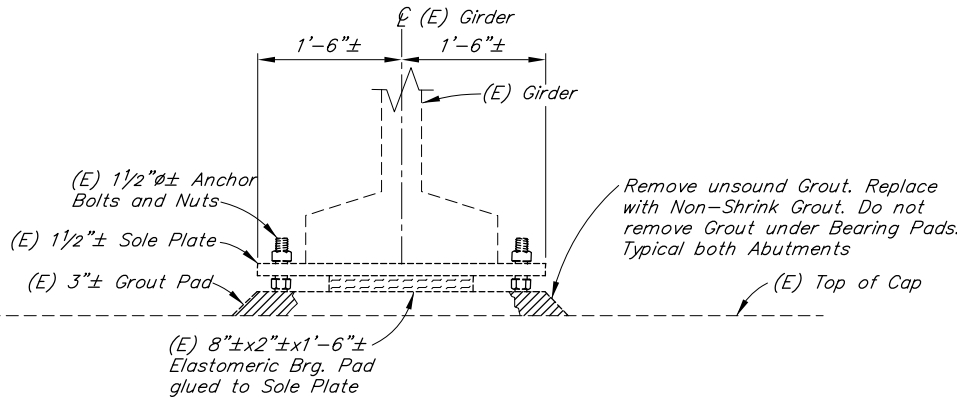


TYPICAL GROUT PAD SPALLING

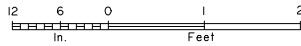
No Scale



SECTION A-A



DETAIL B



NOTES:

- = Unsound Grout
- = Existing
- = Existing
- = Proposed

- Locations and sizes of unsound grout are for illustration purposes only.

DESIGNED BY: Ben Still

CHECKED: Nick Murray

DRAWN

QUANT

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

PETER'S CREEK UNDERCROSSING N.B.
GLENN HIGHWAY
ABUTMENT DETAILS

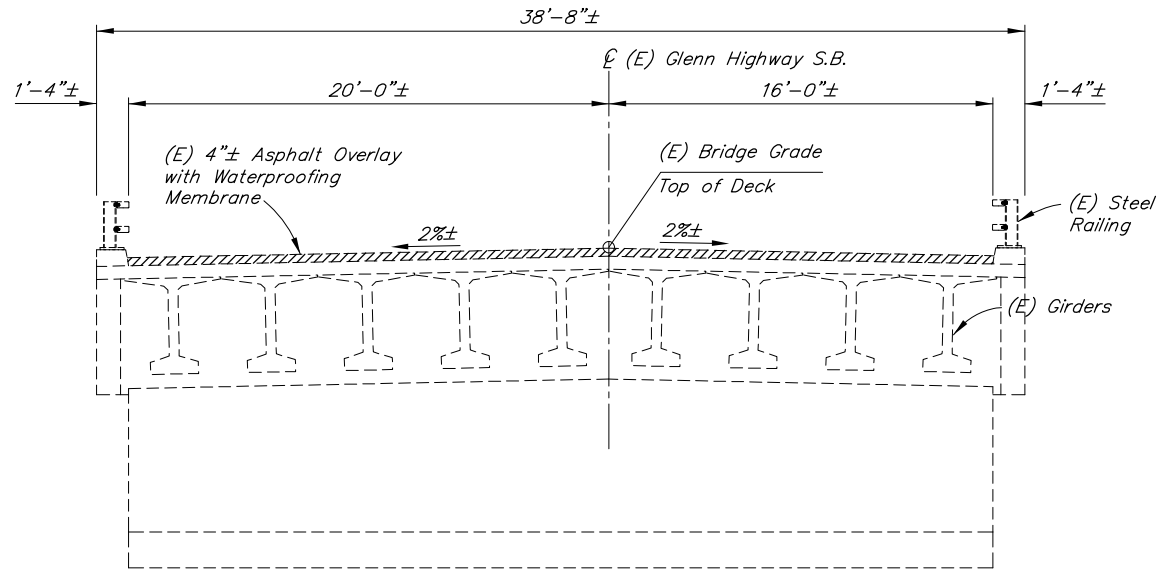
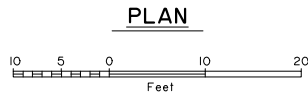
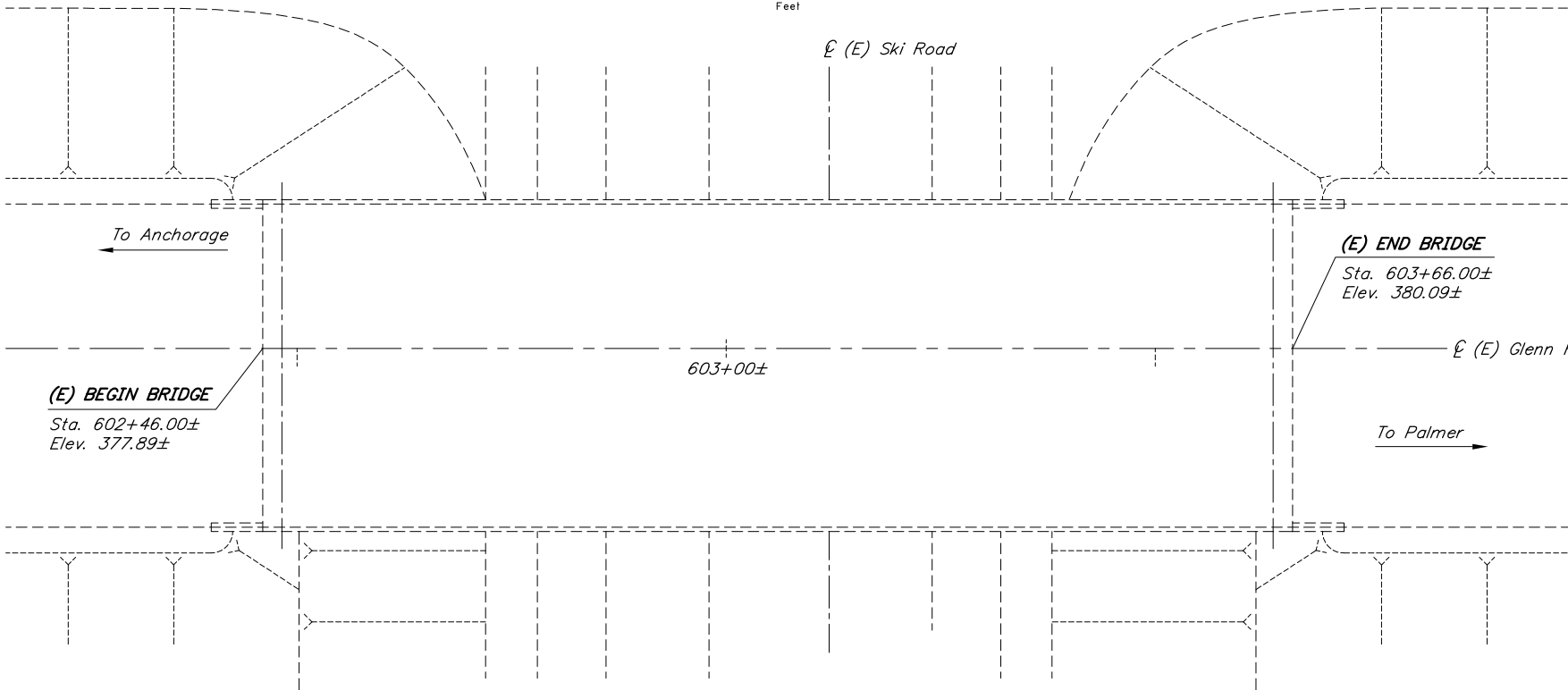
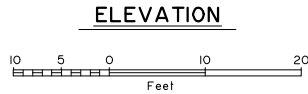
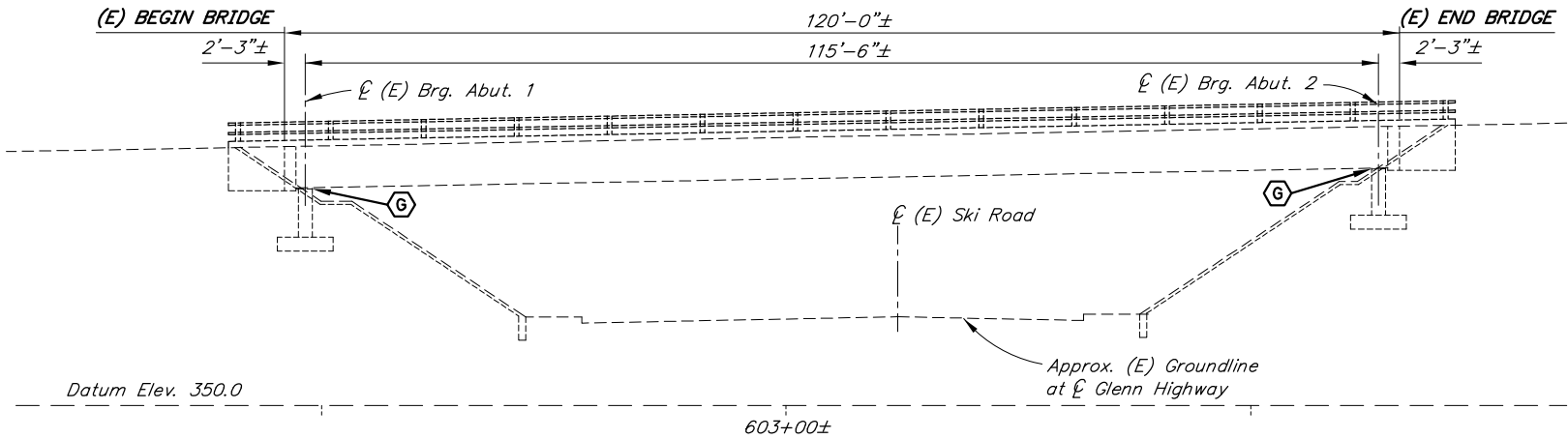


BRIDGE NO. 1367

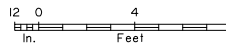
DWG. NO. 2

R:\cad\Earthquake 2018 Bridges\1867-1867 - GENERAL LAYOUT.Fri, Mar/20/20 4:04pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N22	N65



TYPICAL SECTION



BRIDGE DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
ABUTMENT DETAILS	2

LEGEND
- Repair Grout Pads

NOTES:

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

Bridge stations and elevations are based on as-built drawings.

DESIGNED BY:	Ben Still	CHECKED:	Nick Murray
DRAWN BY:	Ben Still	CHECKED BY:	Nick Murray
QUANTITY:			

Preliminary

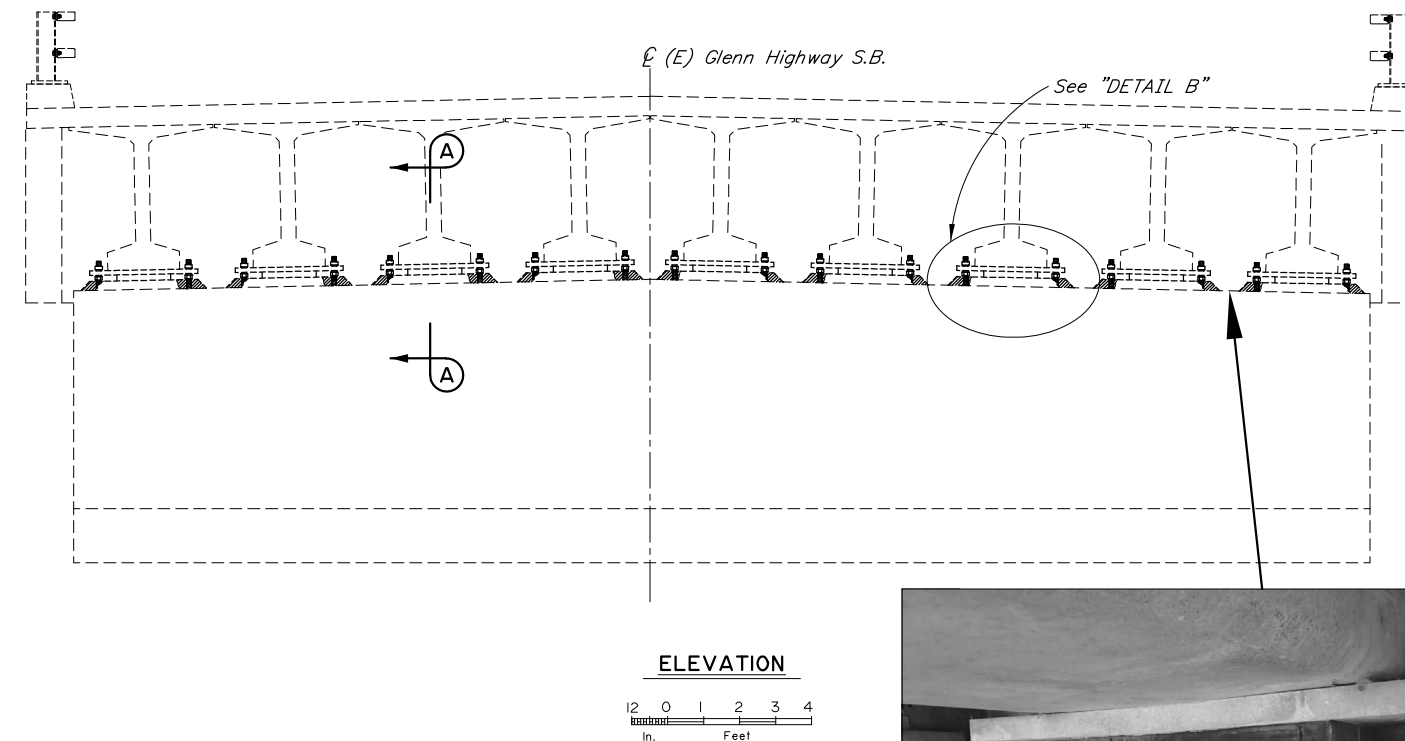
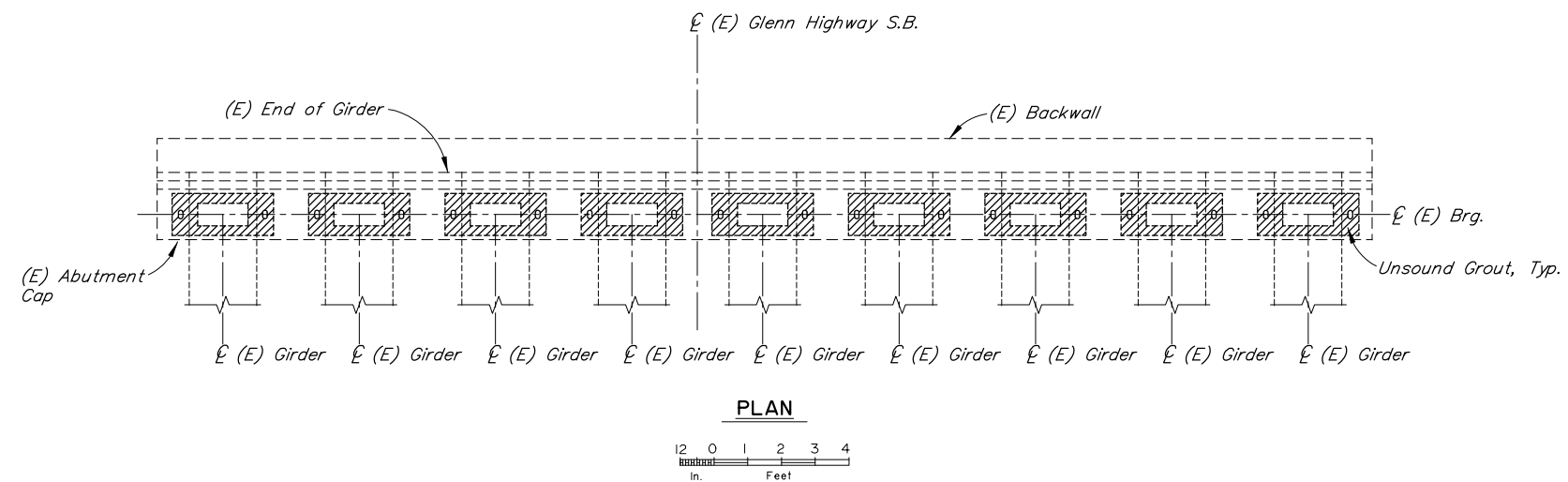
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

PETER'S CREEK UNDERCROSSING S.B.
GLENN HIGHWAY
GENERAL LAYOUT



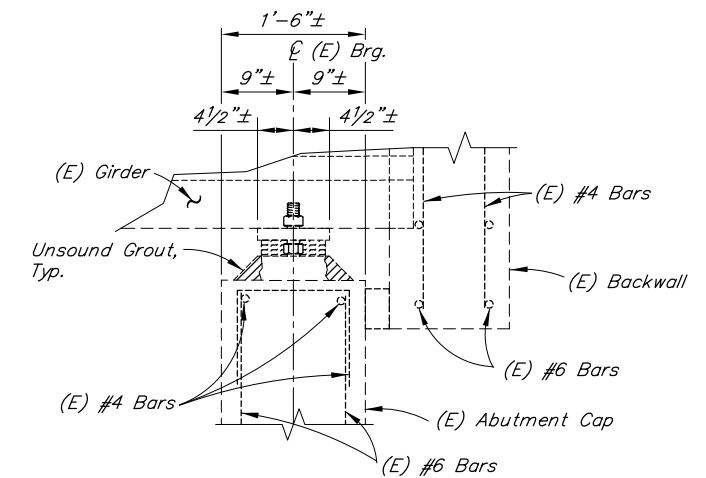
BRIDGE NO. 1867
DWG. NO. 1

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N23	N65

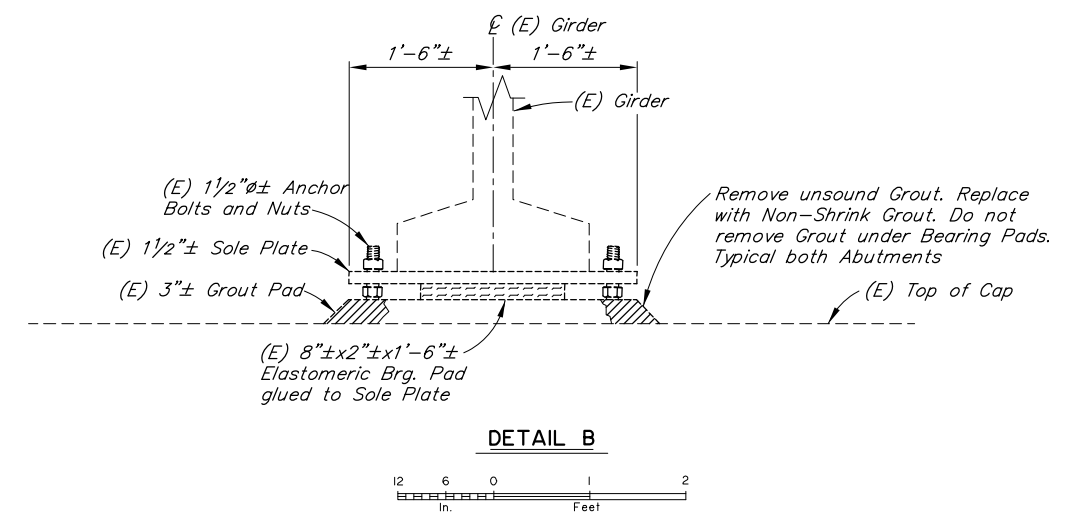


TYPICAL GROUT PAD SPALLING

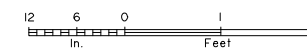
No Scale



SECTION A-A



DETAIL B



NOTES:

 = Unsound Grout
 (E) = Existing
 - - - - - = Existing
 ————— = Proposed

1. Locations and sizes of unsound grout are for illustration purposes only.

DESIGNED BY:	<i>Ben Still</i>	CHECKED:	<i>Nick Murray</i>
--------------	------------------	----------	--------------------

DRAWN BY		CHECKED	
[Signature]		[Signature]	

QUANT

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

PETER'S CREEK UNDERCROSSING S.B.
GLENN HIGHWAY
ABUTMENT DETAILS



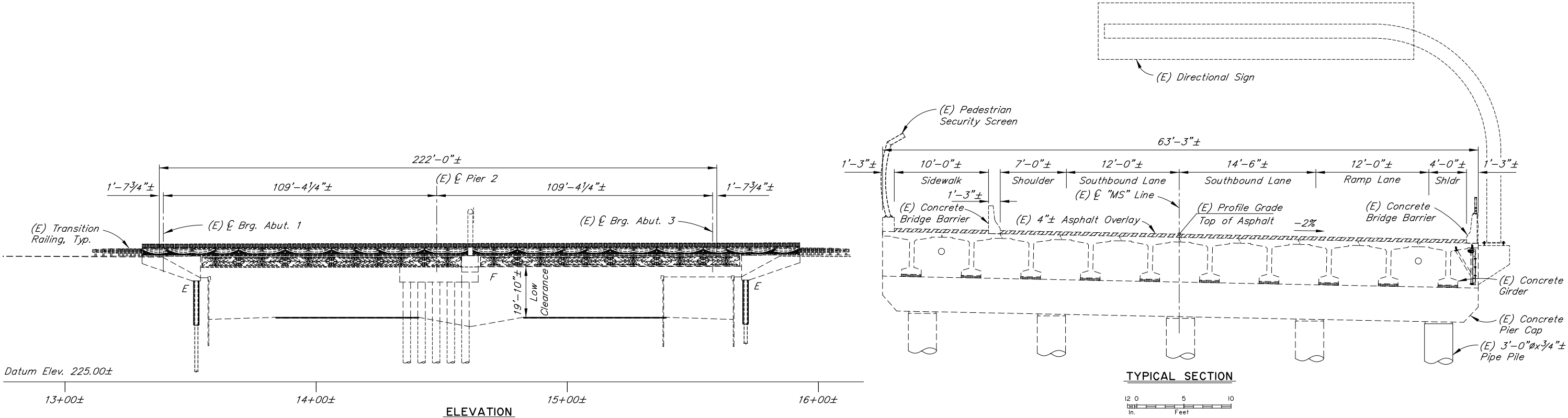
BRIDGE NO. 1867

DWG. NO. 2

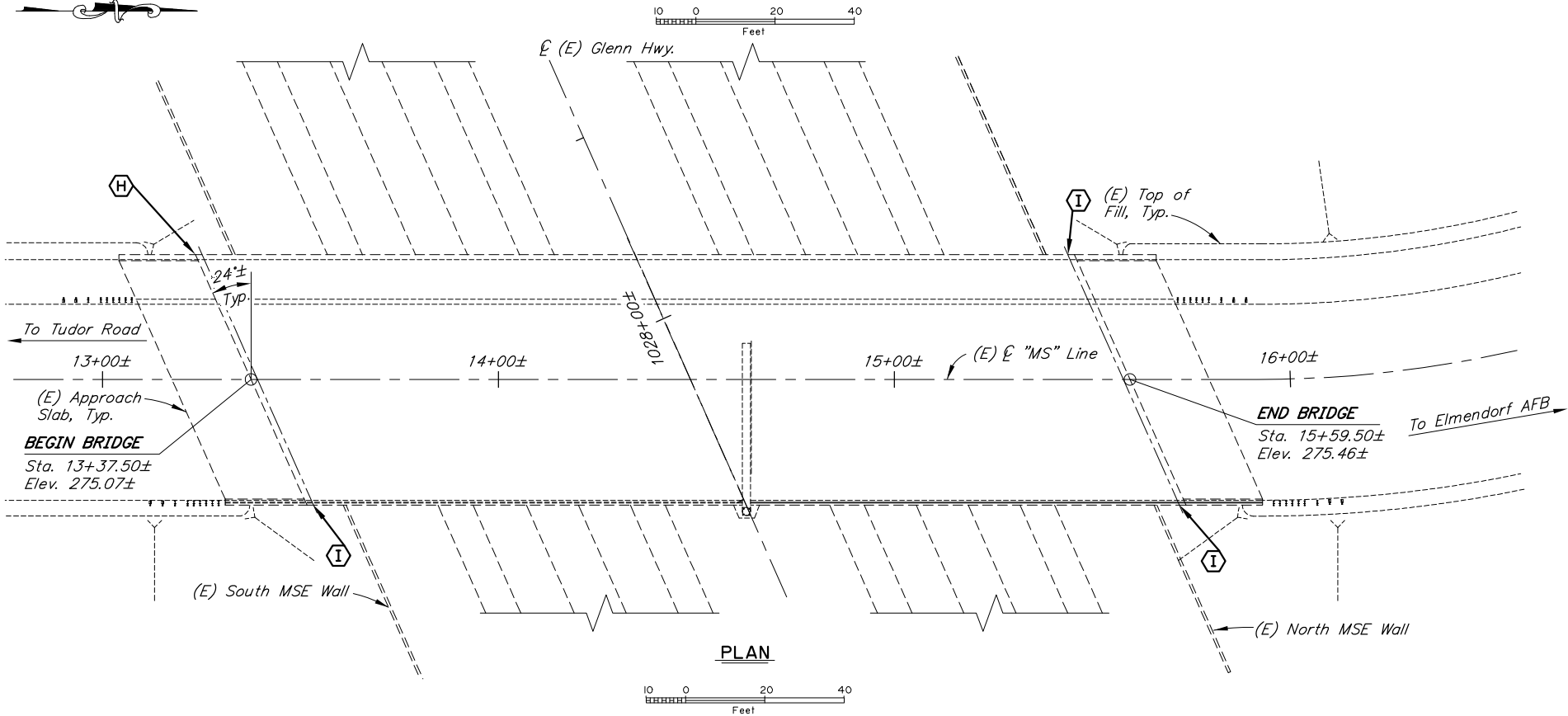
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C:\Users\mcfoster1\AppData\Local\Temp\AcPublish_2976\1322-GEN Fri, Mar/20/20 04:06pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N24	N65



BRIDGE DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
DAMAGED LOCATIONS	2
ABUTMENT 1 - LEFT WINGWALL	3



LEGEND	
(H)	- Repair Hiderwalls
(I)	- Inject Cracks

NOTES:

(E) = Existing

----- = Existing

———— = Proposed

Bridge stations and elevations are based on as-built drawings.

DESIGNED BY: Ben Still

CHECKED: Nick Murray

DRAWN

QUANT

Preliminary

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION

AND PUBLIC FACILITIES

BRIDGE SECTION

3132 Channel Drive

Juneau, Alaska 99801

907-465-2975

NORTH MULDOON ROAD OVERCROSSING

SOUTHBOUND

MULDOON ROAD

GENERAL LAYOUT



BRIDGE NO. 1322

DWG. NO. 1

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N25	N65



ABUTMENT 1 LEFT



ABUTMENT 3 LEFT



ABUTMENT 1 RIGHT



ABUTMENT 3 RIGHT



PLAN

No Scale

LEGEND
- Repair Hiderwalls
- Inject Cracks

NOTES:

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

DESIGNED BY:	Ben Still	CHECKED:	Nick Murray
DRAWN	Preliminary		
QUANT			

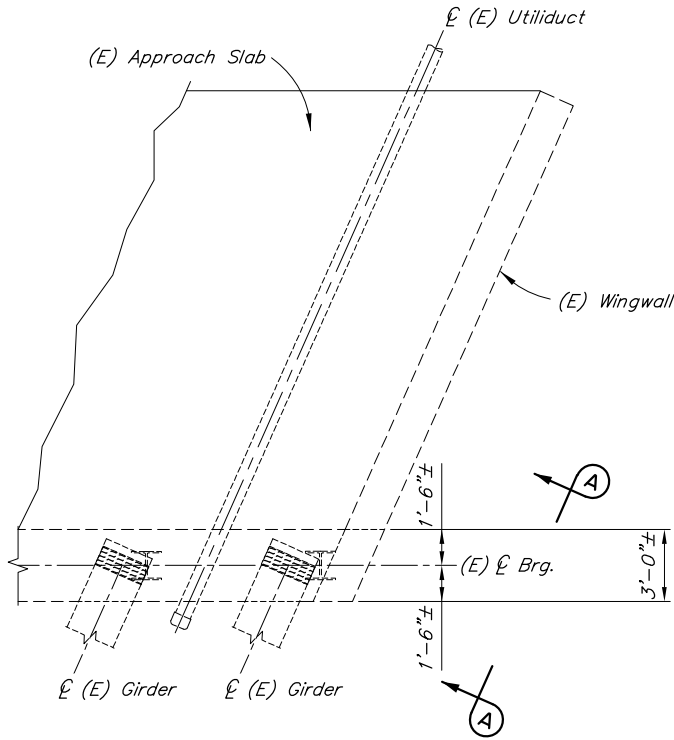
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

NORTH MULDOON ROAD OVERCROSSING
SOUTHBOUND
MULDOON ROAD
DAMAGED LOCATIONS

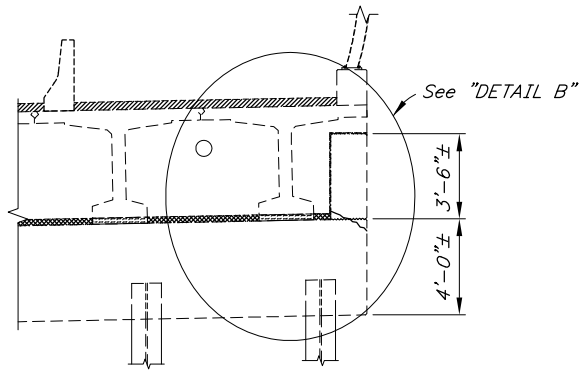
BRIDGE NO. 1322
DWG. NO. 2

C:\Users\mcfoster1\AppData\Local\Temp\AcPublish_2976\1322-PLAN_Fri_Mar/20/20 04:06pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N26	N65

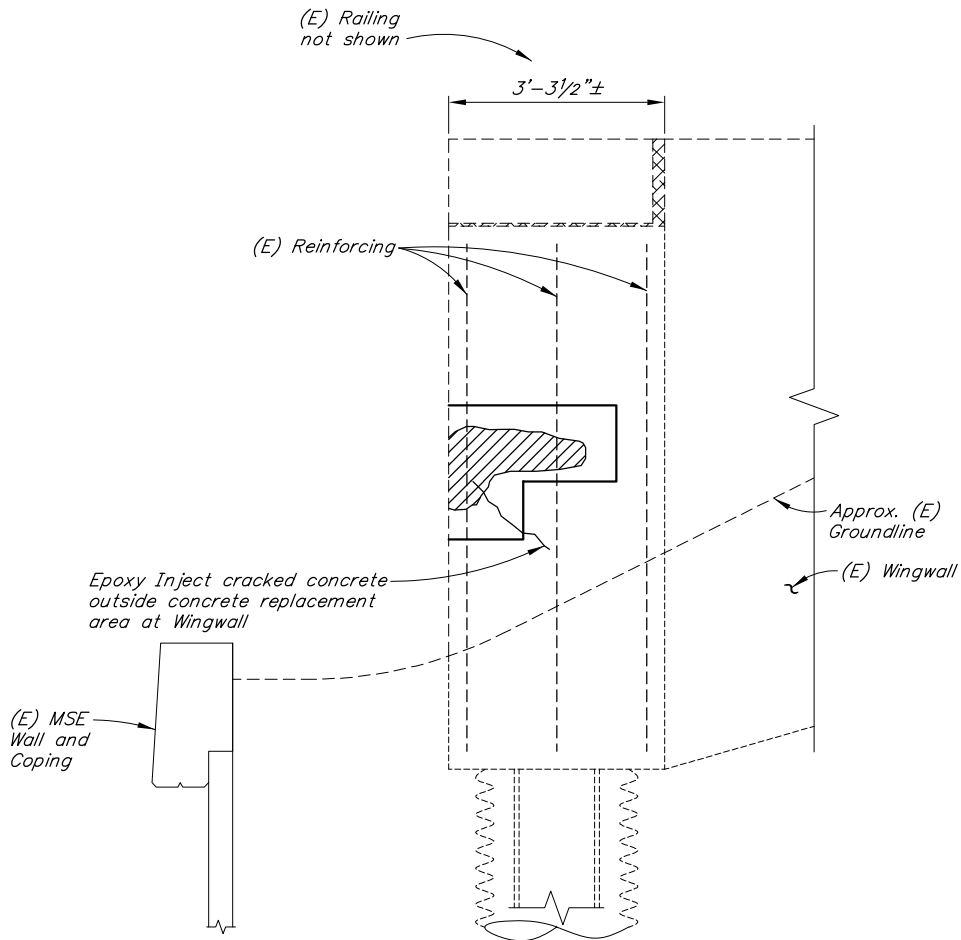
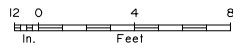


PARITAL PLAN

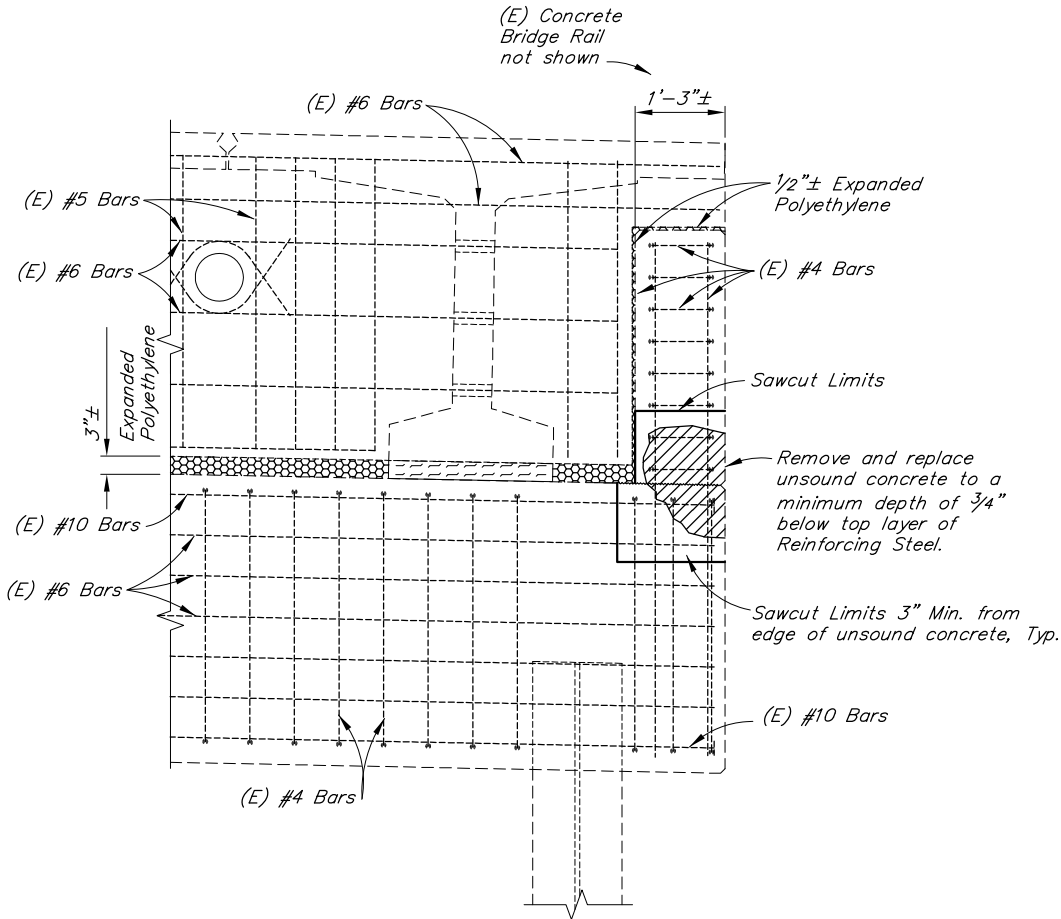


PARITAL ELEVATION

(Looking Back on Station)



VIEW A-A



DETAIL B



NOTES:

- (E) = Existing
- = Existing
- = Proposed
- [Hatched Box] = Unsound Concrete

1. Locations and sizes of unsound concrete and cracks are for illustration purposes only.

DESIGNED BY: Ben Still
CHECKED: Nick Murray
DRAWN: **Preliminary**
QUANT:

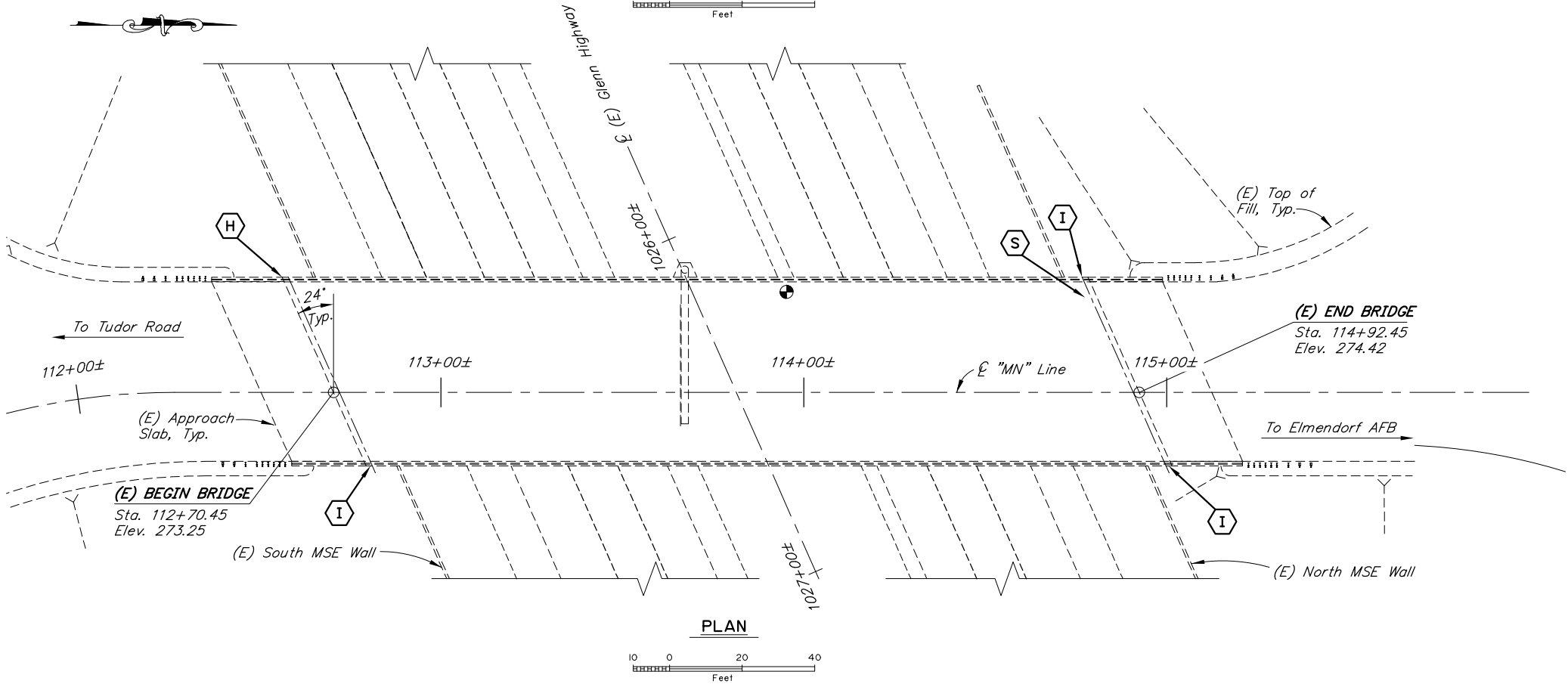
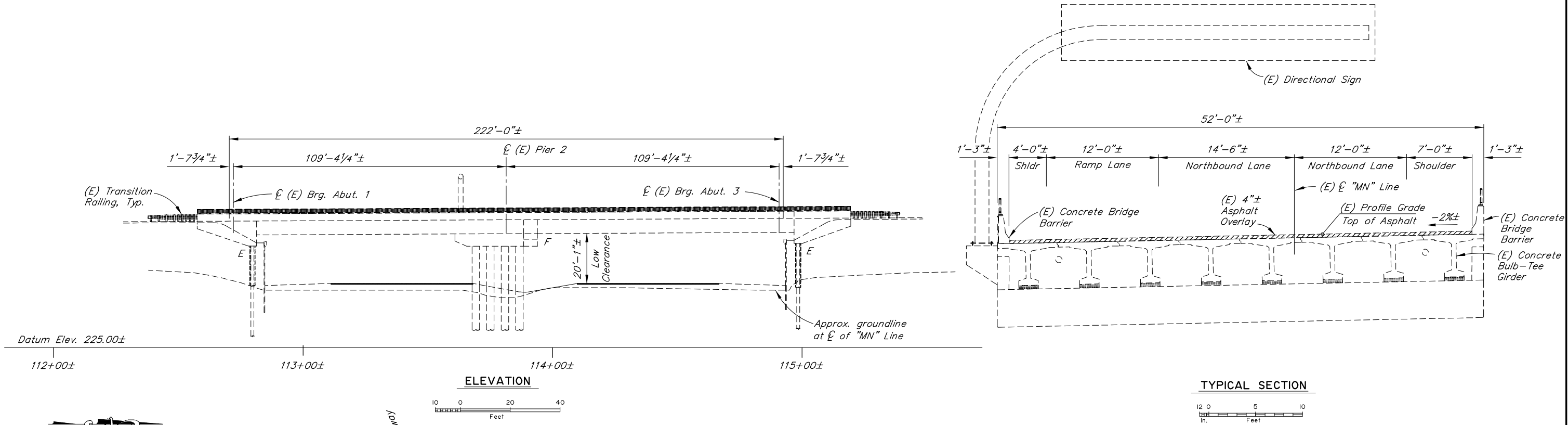
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

NORTH MULDOON ROAD OVERCROSSING
SOUTHBOUND
MULDOON ROAD
ABUTMENT 1 - LEFT WINGWALL


BRIDGE NO. 1322
DWG. NO. 3

C:\Users\mcfoster1\AppData\Local\Temp\AcPublish_4220\2308-2308 - GENERAL LAYOUT Fri, Mar/20/20 04:17pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N27	N65



BRIDGE DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
DAMAGED LOCATIONS	2
ABUTMENT 1 - LEFT WINGWALL	3
ABUTMENT 3 - LEFT WINGWALL	4

LEGEND	
(H)	Repair Hiderwalls
(I)	Inject Cracks
(S)	Repair Spalls

NOTES:

(E) = Existing

----- = Existing

———— = Proposed

Bridge stations and elevations are based on as-built drawings.

DESIGNED BY: Ben Still
CHECKED: Nick Murray

DRAWN BY: **Preliminary**
QUANTITY: _____

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

NORTH MULDOON ROAD OVERCROSSING
NORTHBOUND
MULDOON ROAD
GENERAL LAYOUT



BRIDGE NO. 2308
DWG. NO. 1

R:\cadd\Earthquake 2018 Bridges\2308-2308 - DAMAGE Mon, Mar/23/20 07:40am

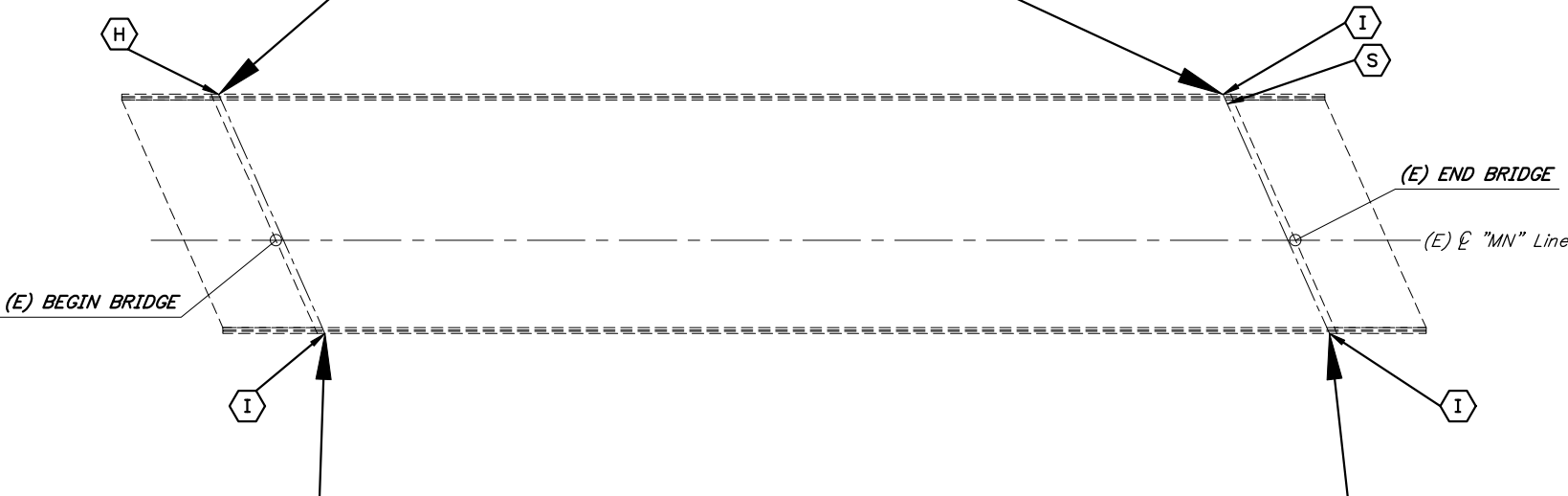
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N28	N65



ABUTMENT 1 LEFT



ABUTMENT 3 LEFT



PLAN

No Scale



ABUTMENT 1 RIGHT



ABUTMENT 3 RIGHT

LEGEND	
	Repair Hiderwalls
	Inject Cracks
	Repair Spalls

NOTES:

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

DESIGNED BY:	Ben Still	CHECKED:	Nick Murray
DRAWN			
QUANT			

2018 EQ REPAIR
ELIMINARY PLAN

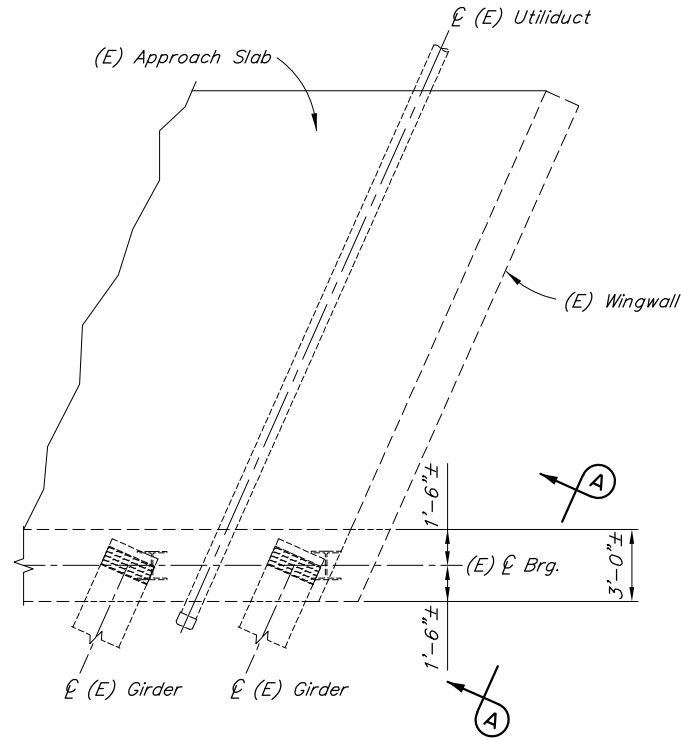
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

NORTH MULDOON ROAD OVERCROSSING
NORTHBOUND
MULDOON ROAD
DAMAGED LOCATIONS

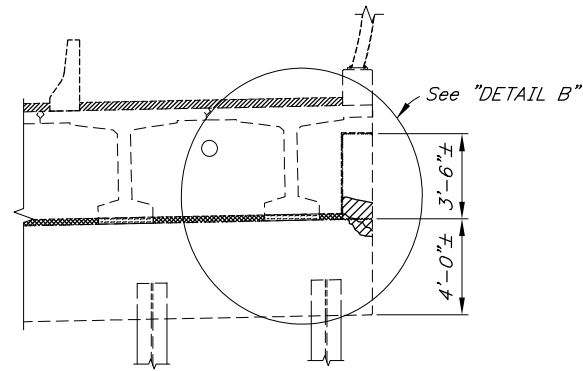
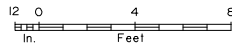


BRIDGE NO. 2308
DWG. NO. 2

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N29	N65

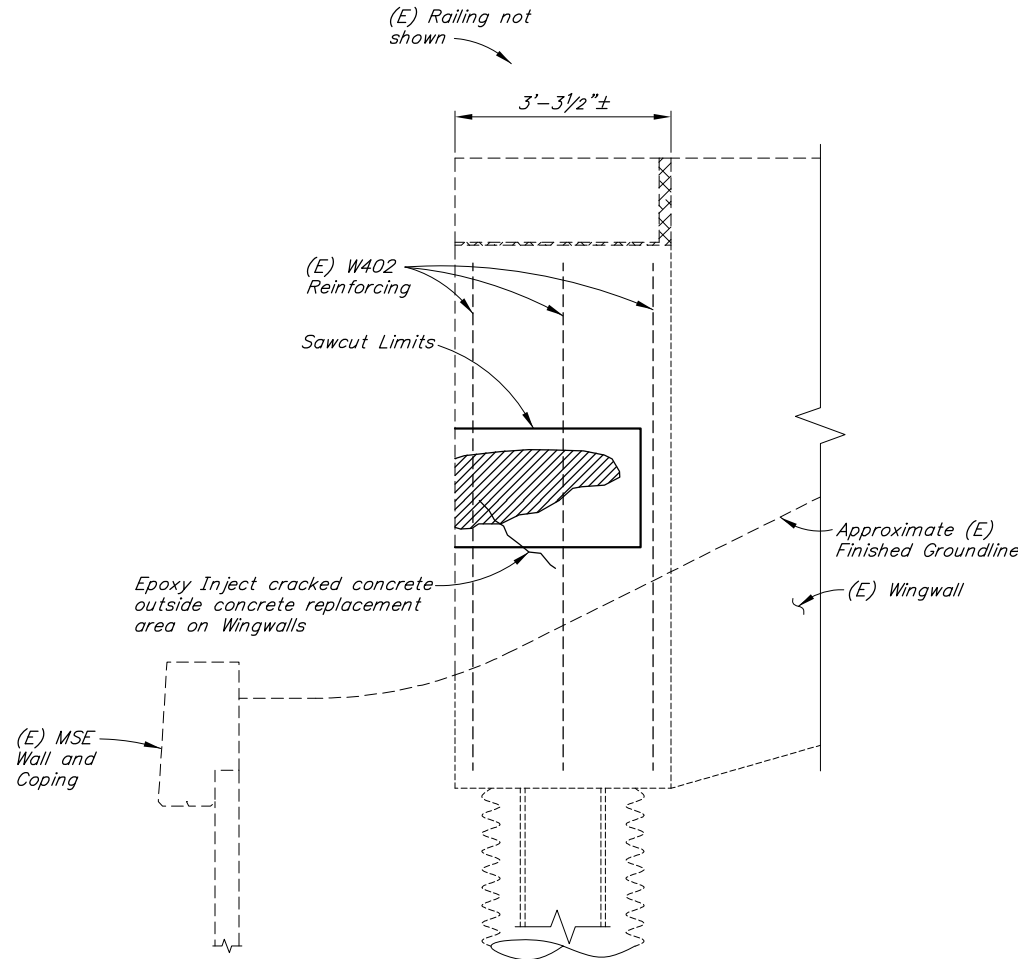


PARTIAL PLAN

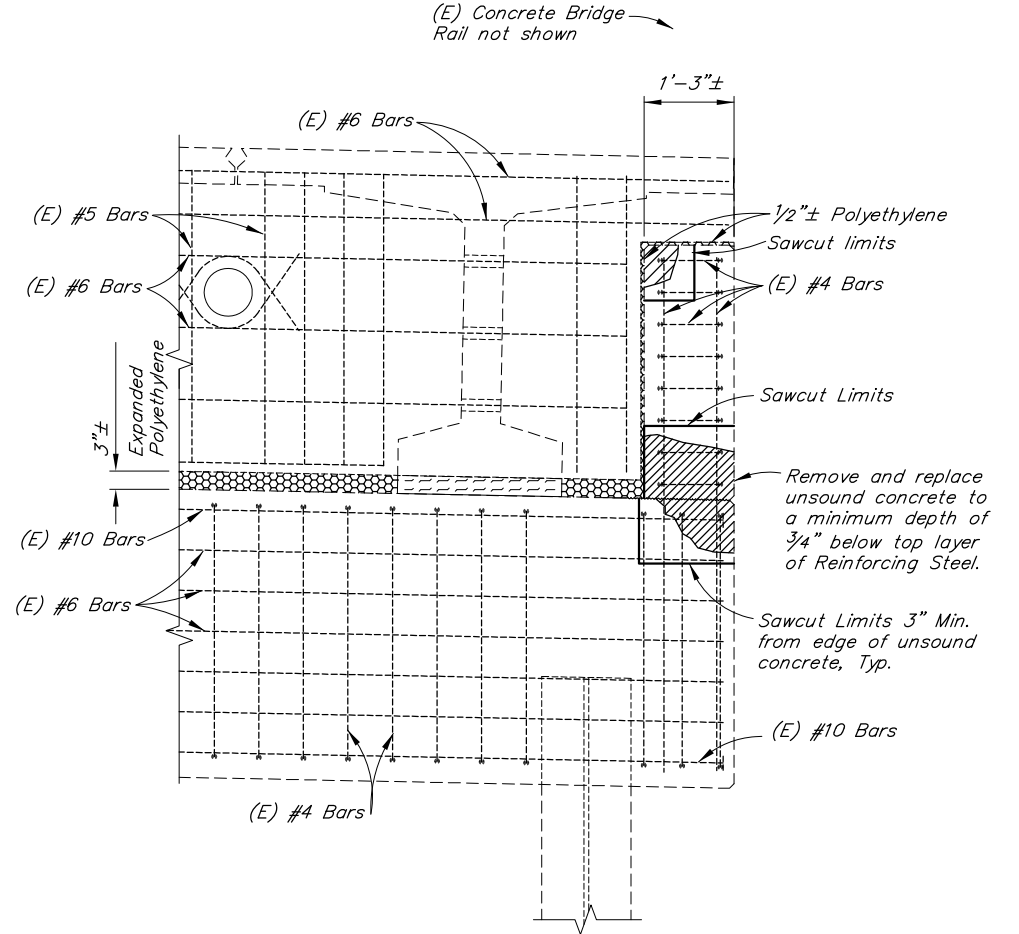
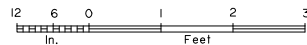


PARTIAL ELEVATION

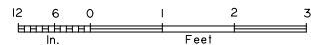
(Looking Back on Station)



VIEW A-A



DETAIL B



NOTES:

- (E) = Existing
- = Existing
- = Proposed
- = Unsound Concrete

1. Locations and sizes of unsound concrete and cracks are for illustration purposes only.

DESIGNED BY: Ben Still CHECKED: Nick Murray

DRAWN

QUANTITY

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

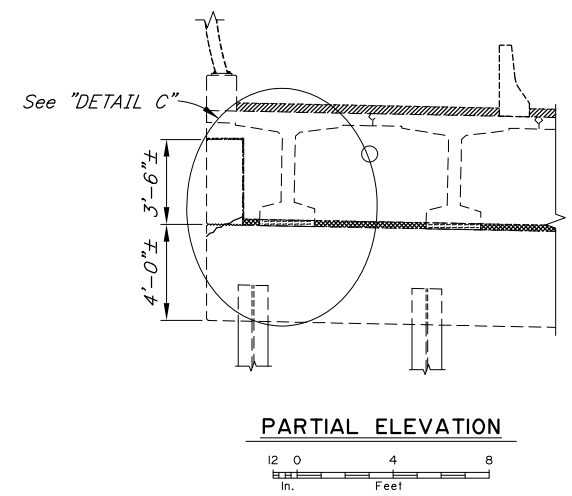
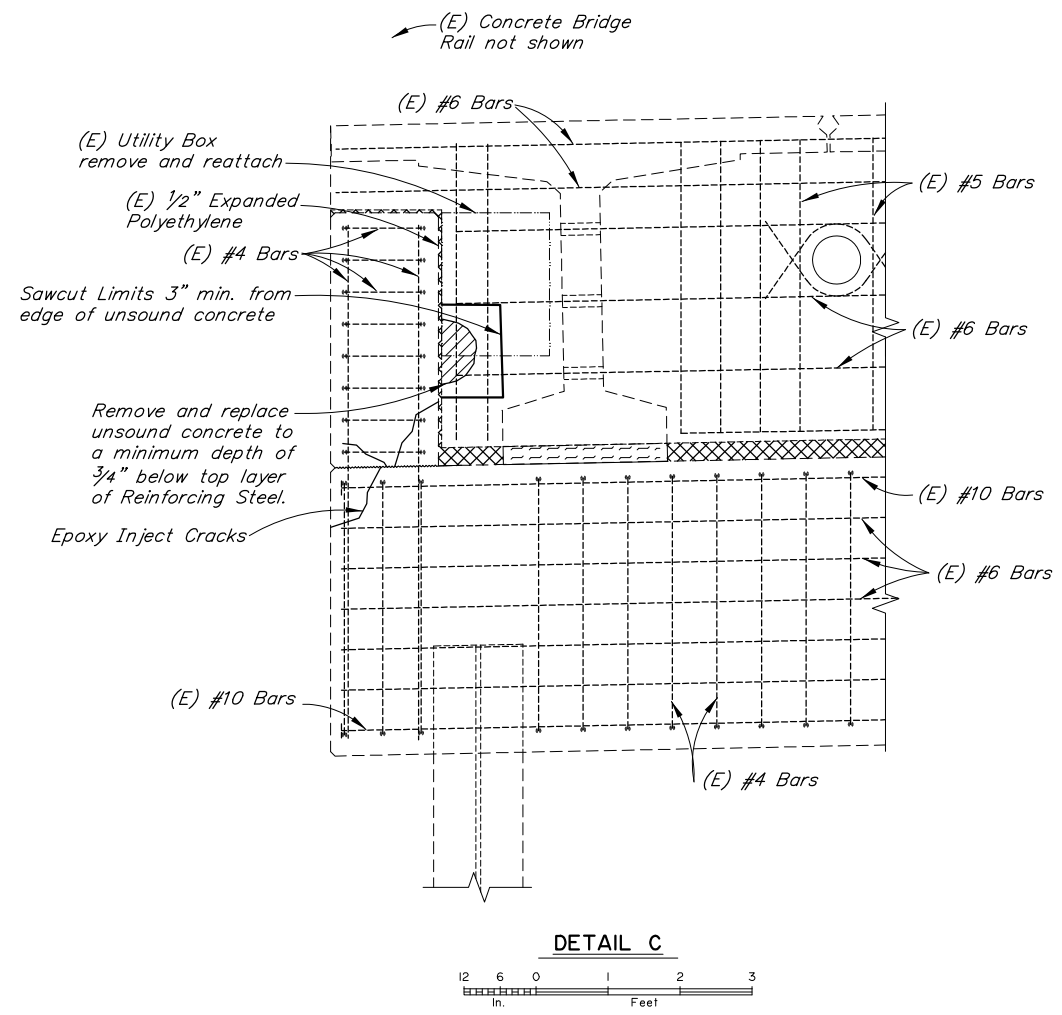
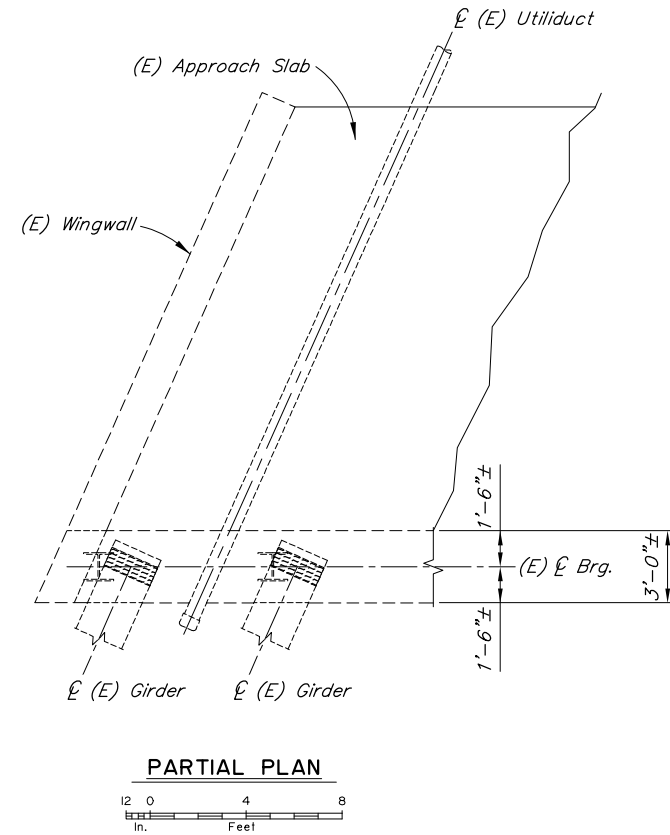
NORTH MULDOON ROAD OVERCROSSING
NORTHBOUND
MULDOON ROAD
ABUTMENT 1 - LEFT WINGWALL



BRIDGE NO. 2308

DWG. NO. 3

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N30	N65



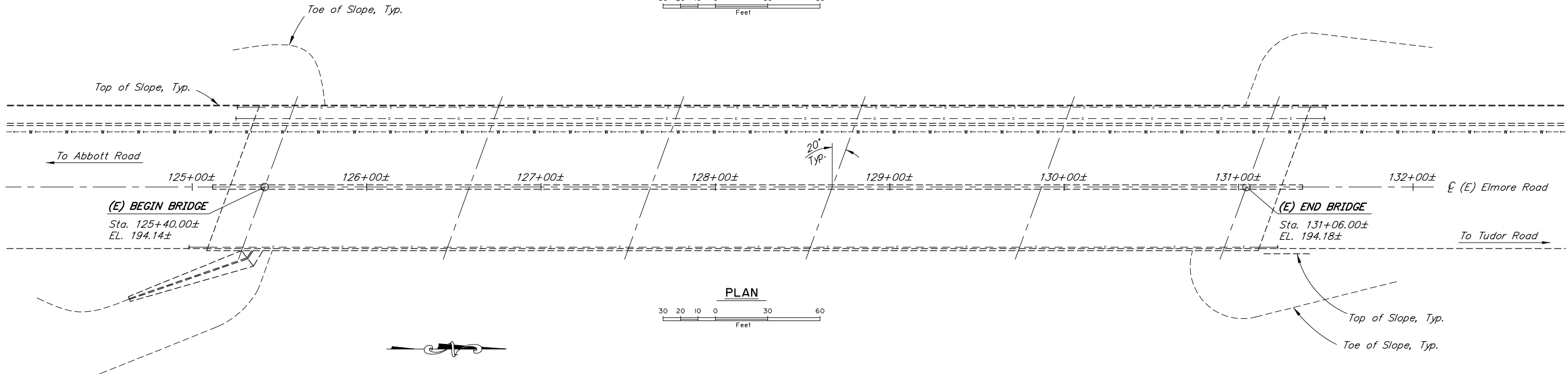
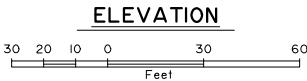
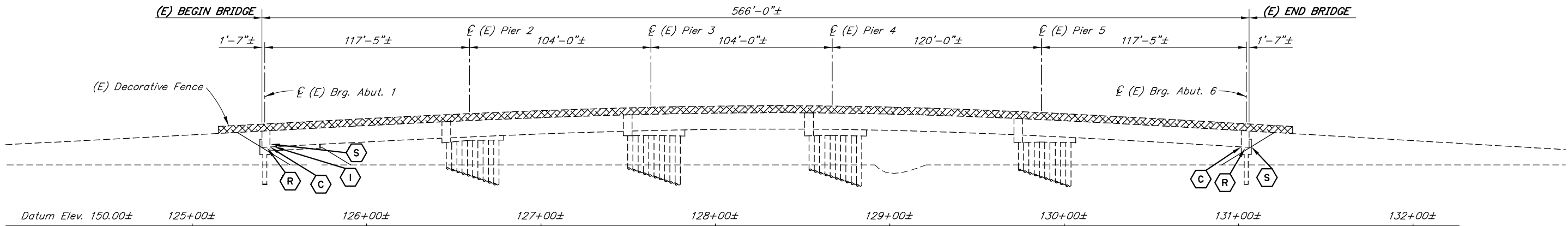
- NOTES:**
- (E) = Existing
 - = Existing
 - = Proposed
 - ▨ = Unsound Concrete
 - 1. Locations and sizes of unsound concrete and cracks are for illustration purposes only.

DESIGNED BY: Ben Still	CHECKED: Nick Murray	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975	NORTH MULDOON ROAD OVERCROSSING NORTHBOUND MULDOON ROAD ABUTMENT 3 - LEFT WINGWALL	 BRIDGE NO. 2308 DWG. NO. 4
DRAWN				
QUANTITY				

Preliminary

C:\Users\mcfoster1\AppData\Local\Temp\AcPublish_4220\2308-2308 - HIDERWALL (2) Fri, Mar/20/20 04:17pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N31	N65



LEGEND	
	Construct Shear Keys
	Crack Repair
	Remove Shear Keys
	Repair Spalls

BRIDGE DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
TYPICAL SECTION	2
DAMAGED LOCATIONS ABUTMENT 1	3
DAMAGED LOCATIONS ABUTMENT 6	4
EXISTING ABUTMENT SHEAR KEYS	5
PROPOSED ABUTMENT SHEAR KEYS	6

NOTES:

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

Bridge stations and elevations are based on as-built drawings.

DESIGNED BY: Ben Still
CHECKED: Nick Murray
DRAWN BY: [Blank]
QUANTITY: [Blank]

Preliminary

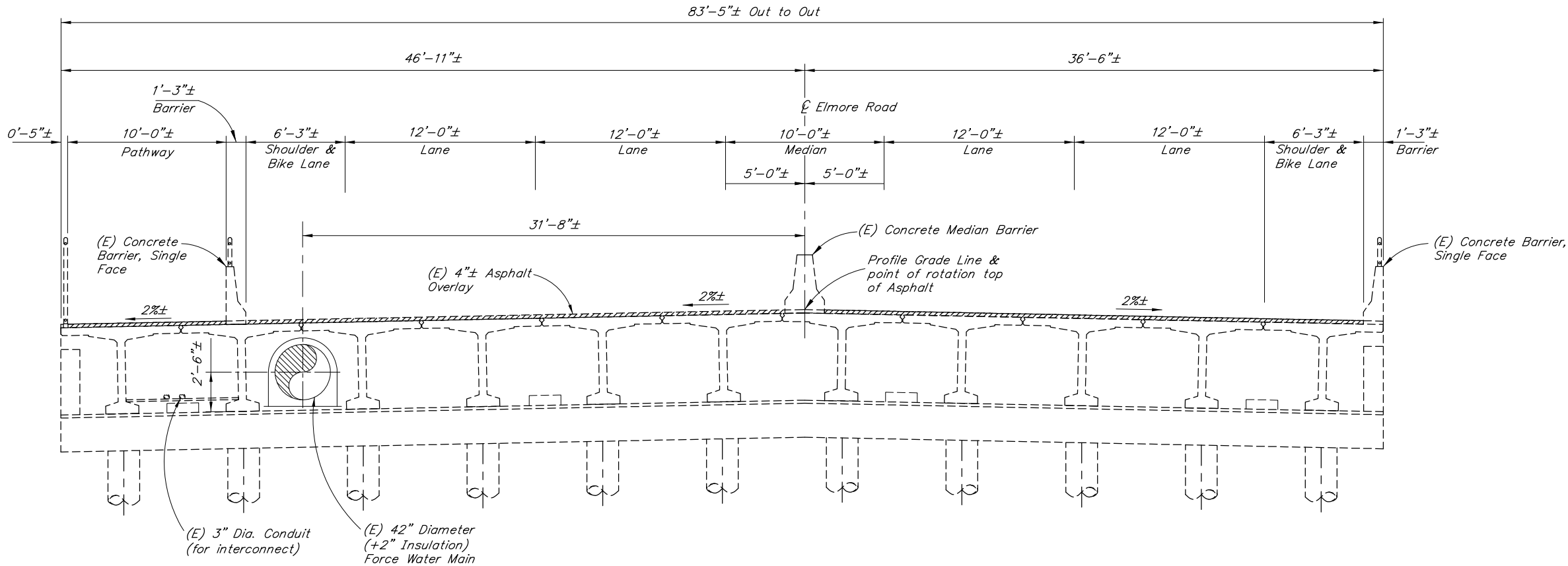
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

SOUTH FORK CAMPBELL CREEK BRIDGE
ELMORE ROAD
GENERAL LAYOUT

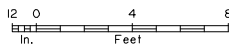


BRIDGE NO. 2151
DWG. NO. 1

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N32	N65



TYPICAL SECTION



NOTES:

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

Bridge stations and elevations are based on as-built drawings.

DESIGNED BY: Ben Still
CHECKED: Nick Murray

DRAWN BY: [Blank]
QUANTITY: [Blank]

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

SOUTH FORK CAMPBELL CREEK BRIDGE
ELMORE ROAD
TYPICAL SECTION



BRIDGE NO. 2151

DWG. NO. 2

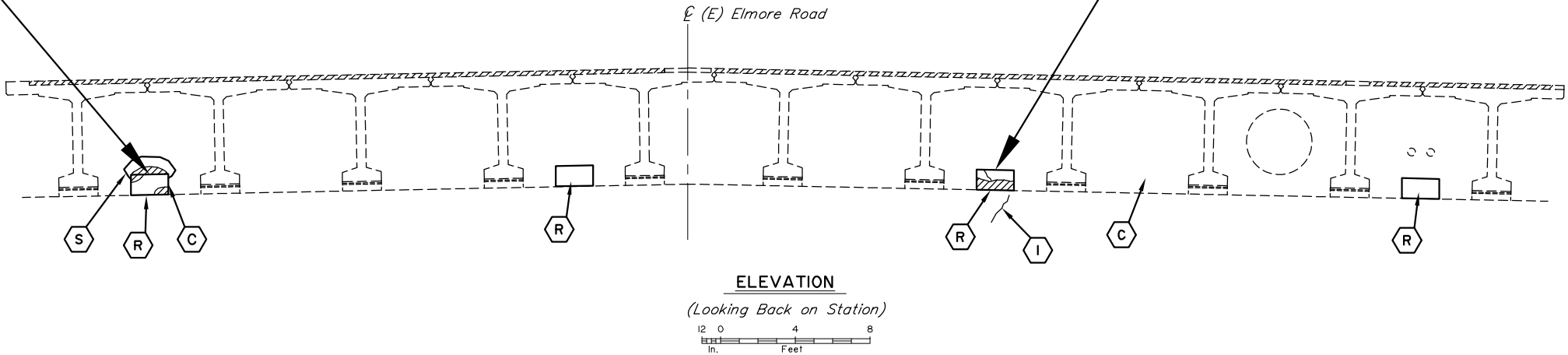
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N33	N65



ABUTMENT 1 BAY 10 SHEAR KEY



ABUTMENT 1 BAY 4 SHEAR KEY



LEGEND	
	Construct Shear Keys
	Remove Shear Keys
	Repair Spalls

- NOTES:**
- = Unsound Concrete
 - (E) = Existing
 - = Existing
 - = Proposed
 - 1. Locations and sizes of unsound concrete and cracks are for illustration purposes only.

DESIGNED BY: Ben Still
CHECKED: Nick Murray

DRAWN BY: [Blank]
QUANTITY: [Blank]

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

SOUTH FORK CAMPBELL CREEK BRIDGE
ELMORE ROAD
DAMAGED LOCATIONS ABUTMENT 1



BRIDGE NO. 2151
DWG. NO. 3

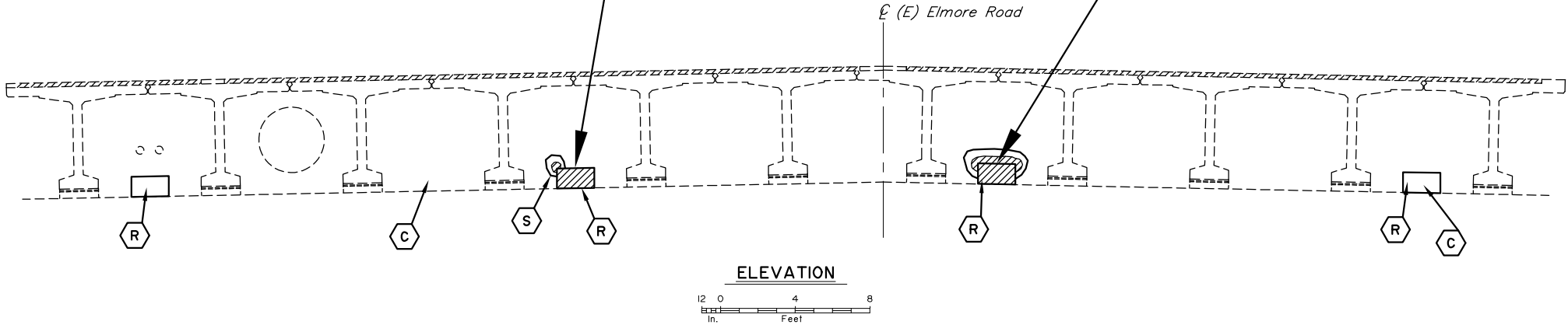
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N34	N65



ABUTMENT 6 BAY 4 SHEAR KEY



ABUTMENT 6 BAY 7 SHEAR KEY



LEGEND	
	Construct Shear Keys
	Remove Shear Keys
	Repair Spalls

- NOTES:**
-  = Unsound Concrete
 - (E) = Existing
 - = Existing
 - = Proposed
 - 1. Locations and sizes of unsound concrete are for illustration purposes only.

DESIGNED BY: Ben Still
CHECKED: Nick Murray

DRAWN BY: [Blank]
QUANTITY: [Blank]

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

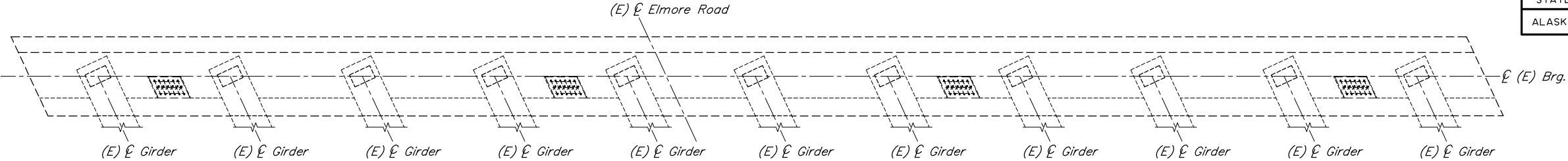
SOUTH FORK CAMPBELL CREEK BRIDGE
ELMORE ROAD
DAMAGED LOCATIONS ABUTMENT 6



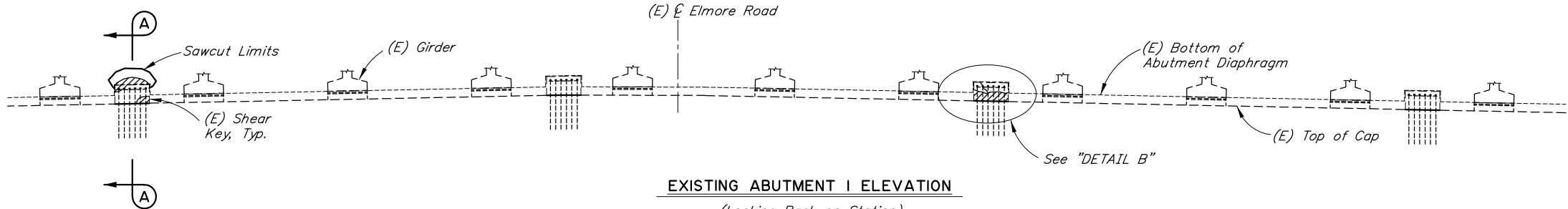
BRIDGE NO. 2151
DWG. NO. 4

Preliminary

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N35	N65

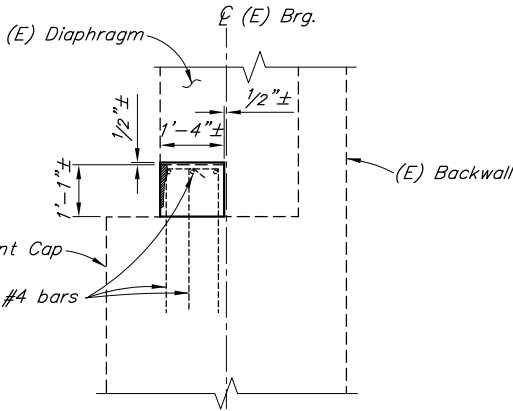


EXISTING ABUTMENT 1 PLAN

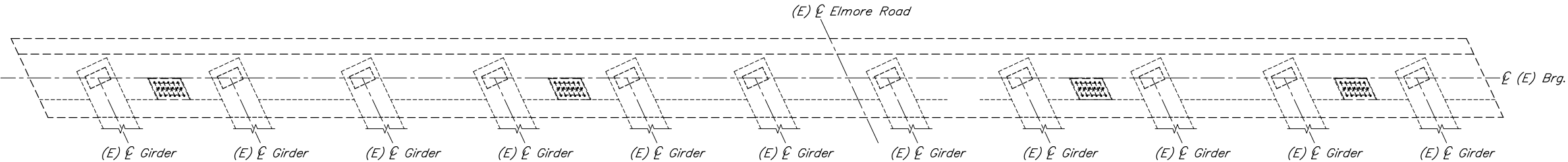


EXISTING ABUTMENT 1 ELEVATION

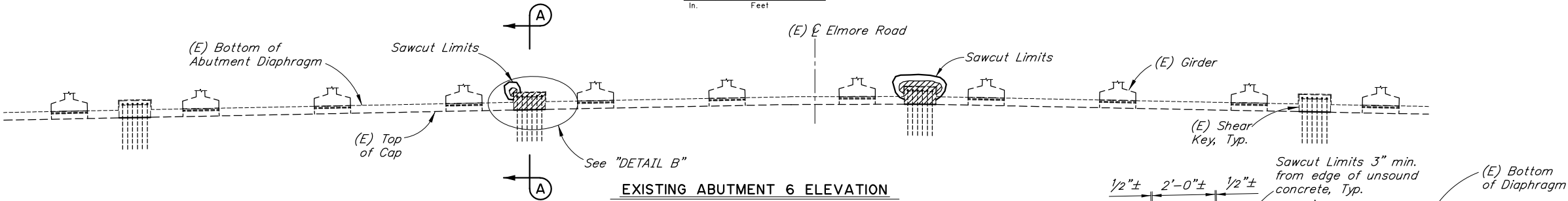
(Looking Back on Station)



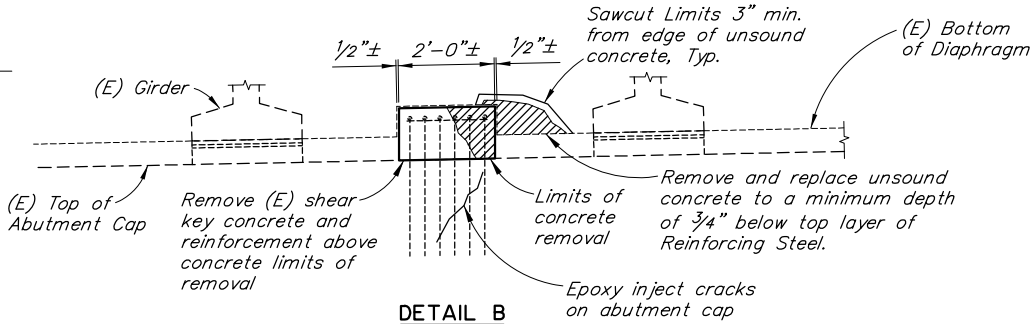
SECTION A-A



EXISTING ABUTMENT 6 PLAN



EXISTING ABUTMENT 6 ELEVATION



DETAIL B

NOTES:

- Unsound Concrete
- (E) = Existing
- - - - - = Existing
- — — — — = Proposed

1. Locations and sizes of unsound concrete are for illustration purposes only.

DESIGNED BY: Ben Still CHECKED: Nick Murray

DRAWN BY: QUANT

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

SOUTH FORK CAMPBELL CREEK BRIDGE

ELMORE ROAD

EXISTING ABUTMENT SHEAR KEY DETAILS



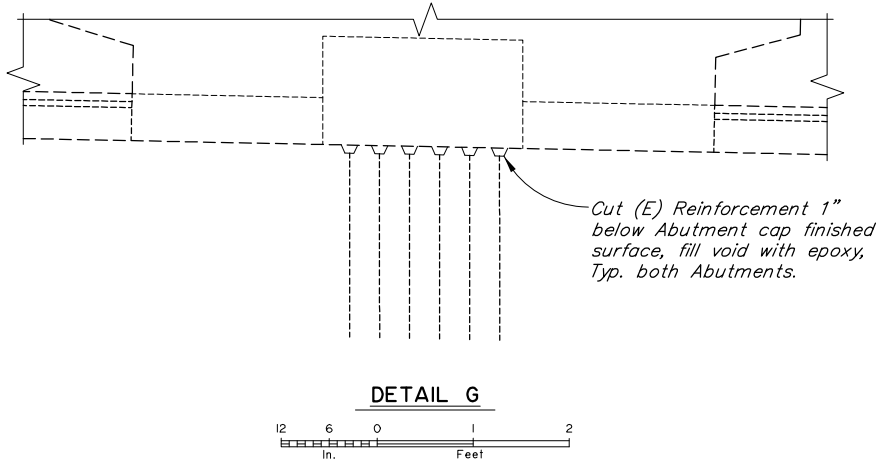
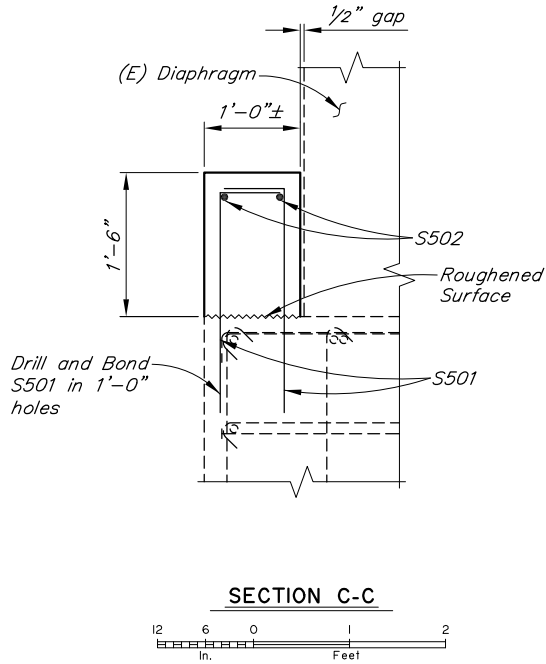
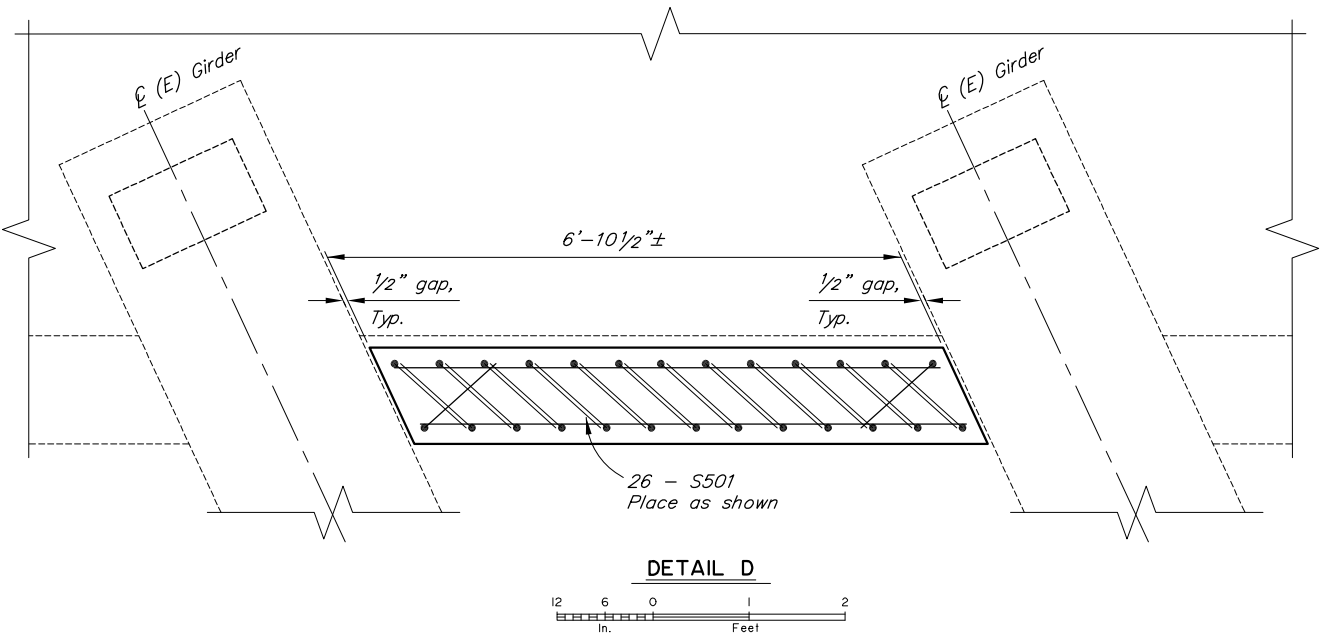
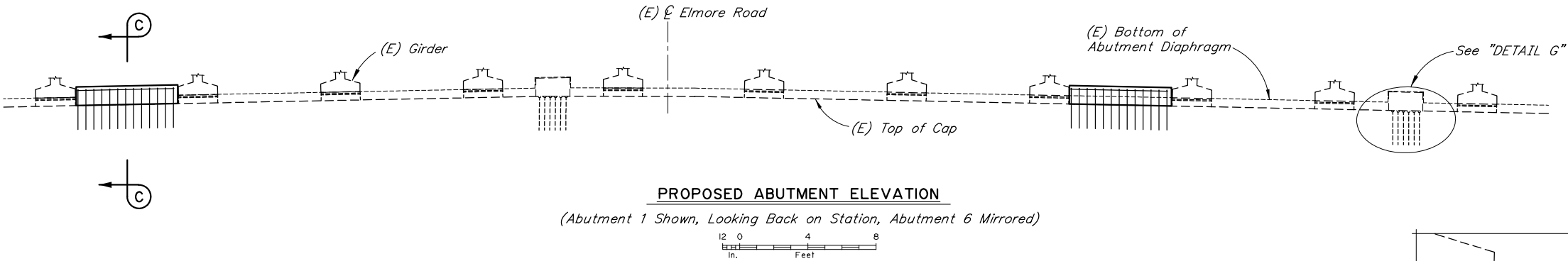
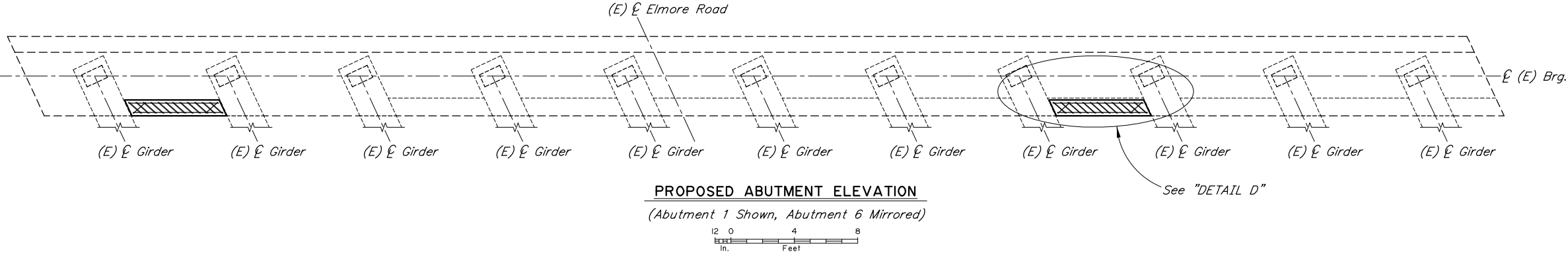
BRIDGE NO. 2151

DWG. NO. 5

R:\cad\Earthquake 2018 Bridges\2151-ABUT 1 (2) Fri, Mar/20/20 4:21pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N36	N65

REINFORCING STEEL - ONE ABUTMENT					
MARK	NOTE	SIZE	NO.	LENGTH	TYPE
S501		5	52	3'-4"	BENT
S502		5	4	6'-8"	---
BENDING DIAGRAM					
S501					



NOTES:
(E) = Existing
--- = Existing
--- = Proposed

DESIGNED BY: Ben Still
CHECKED: Nick Murray
DRAWN BY: [blank]
QUANTITY: [blank]

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION

SOUTH FORK CAMPBELL CREEK BRIDGE
ELMORE ROAD
PROPOSED ABUTMENTS
SHEAR KEY DETAILS



BRIDGE NO. 2151
DWG. NO. 6

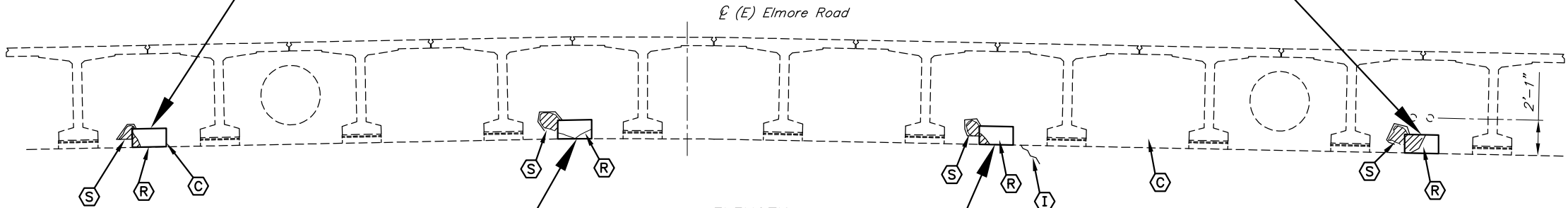
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N38	N65



ABUTMENT 1 BAY 10 SHEAR KEY



ABUTMENT 1 BAY 1 SHEAR KEY



ELEVATION
(Looking Back on Station)



ABUTMENT 1 BAY 7 SHEAR KEY



ABUTMENT 1 BAY 4 SHEAR KEY

LEGEND	
	Construct Shear Keys
	Inject Cracks
	Remove Shear Keys
	Repair Spalls

NOTES:	
	Unsound Concrete
(E)	Existing
-----	Existing
-----	Proposed

1. Locations and sizes of unsound concrete and cracks are for illustration purposes only.

DESIGNED BY:	Ben Still	CHECKED:	Nick Murray
--------------	-----------	----------	-------------

DRAWN BY:	Ben Still	CHECKED BY:	Nick Murray
QUANTITY:			

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

NORTH FORK CAMPBELL CREEK BRIDGE
ELMORE ROAD
DAMAGED LOCATIONS ABUTMENT 1



BRIDGE NO. 2152
DWG. NO. 2

R:\cod\Earthquake 2018 Bridges\2152-LOCATIONS Fri, Mar/20/20 4:23pm

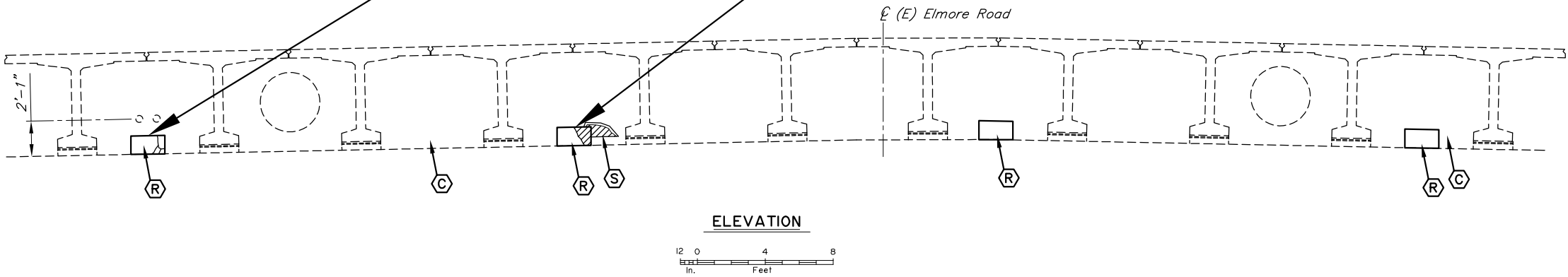
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N39	N65



ABUTMENT 4 BAY 1 SHEAR KEY



ABUTMENT 4 BAY 4 SHEAR KEY



ELEVATION

LEGEND

- Construct Shear Keys
- Inject Cracks
- Remove Shear Keys
- Repair Spalls

NOTES:

- = Unsound Concrete
- = Existing
- = Existing
- = Proposed

1. Locations and sizes of unsound concrete are for illustration purposes only.

DESIGNED BY: Ben Still
CHECKED: Nick Murray

DRAWN BY: **Preliminary**

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

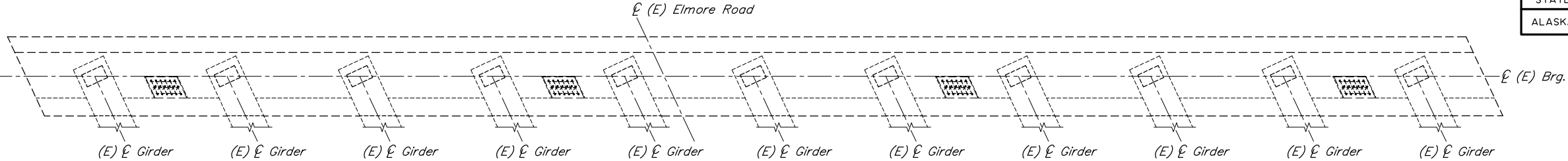
NORTH FORK CAMPBELL CREEK BRIDGE
ELMORE ROAD
DAMAGED LOCATIONS ABUTMENT 4



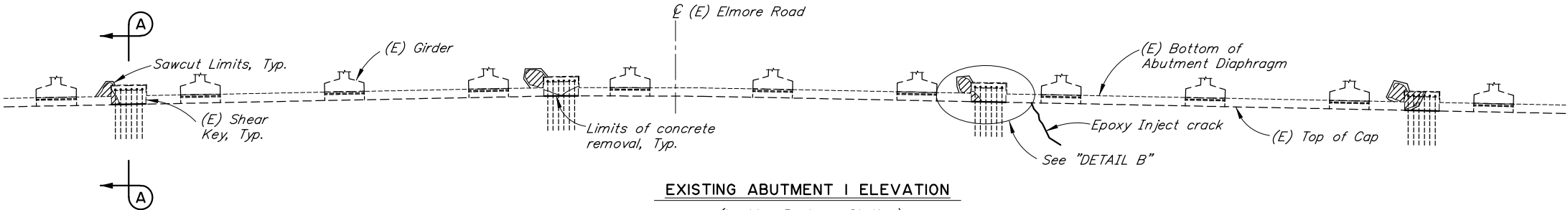
BRIDGE NO. 2152
DWG. NO. 3

R:\cod\Earthquake 2018 Bridges\2152-LOCATIONS (2) Fri, Mar/20/20 4:23pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N40	N65

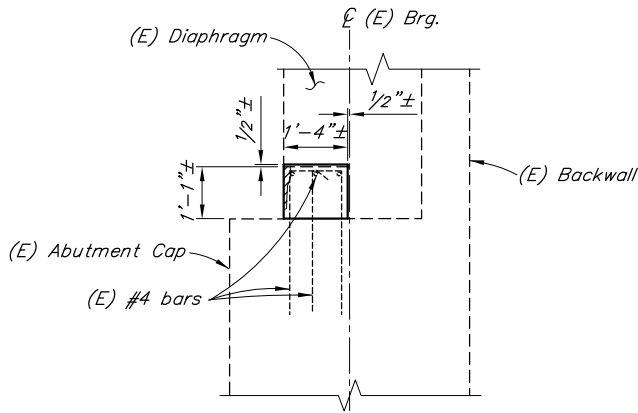


EXISTING ABUTMENT 1 PLAN

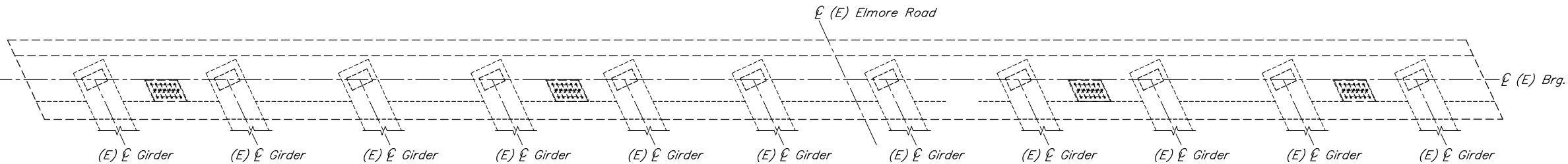


EXISTING ABUTMENT 1 ELEVATION

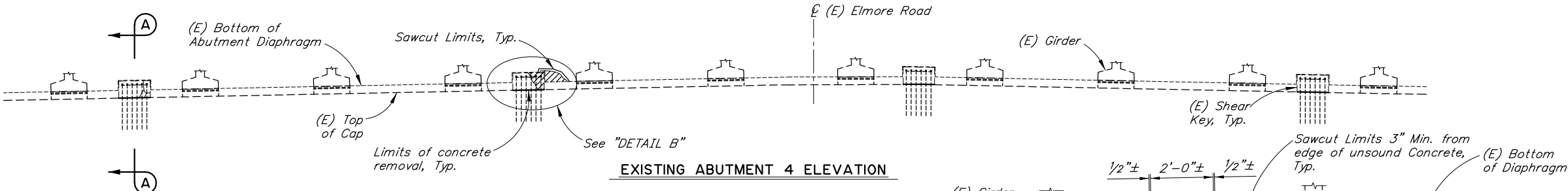
(Looking Back on Station)
12 0 4 8
In. Feet



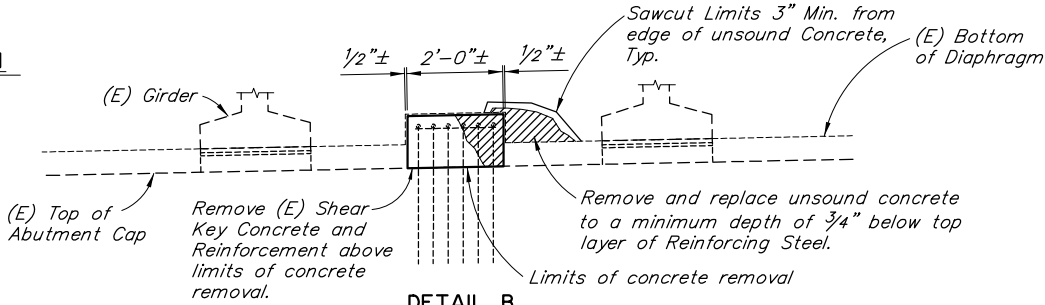
SECTION A-A



EXISTING ABUTMENT 4 PLAN



EXISTING ABUTMENT 4 ELEVATION



DETAIL B



NOTES:

- = Unsound Concrete
- (E) = Existing
- = Existing
- = Proposed

- Locations and sizes of unsound concrete are for illustration purposes only.

DESIGNED BY: Ben Still
CHECKED: Nick Murray
DRAWN BY: [Blank]
QUANTITY: [Blank]

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

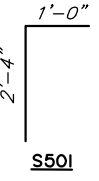
NORTH FORK CAMPBELL CREEK BRIDGE
ELMORE ROAD
ABUTMENT SHEAR KEY DETAILS

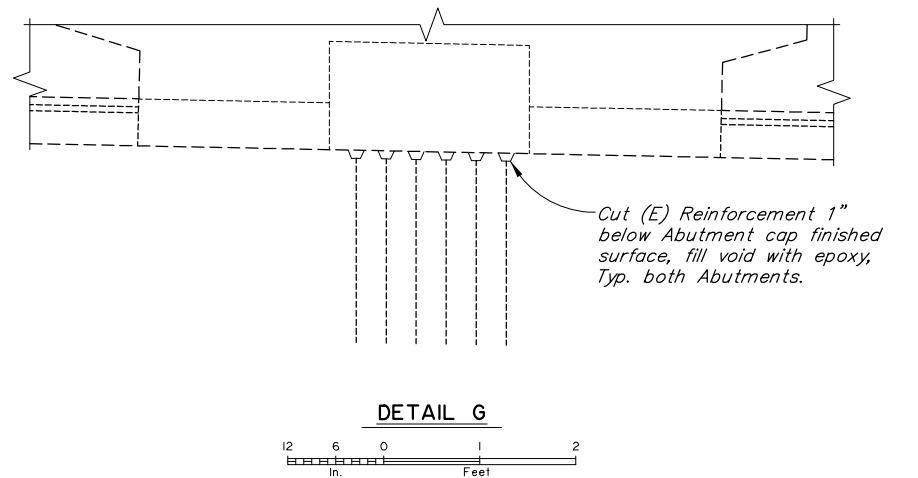
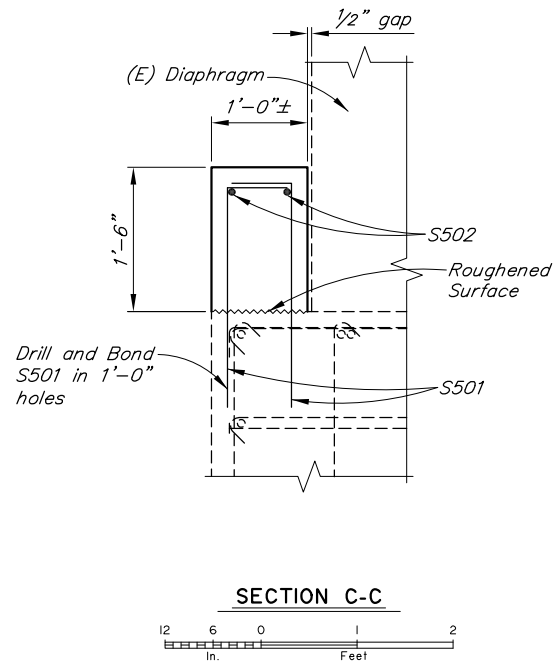
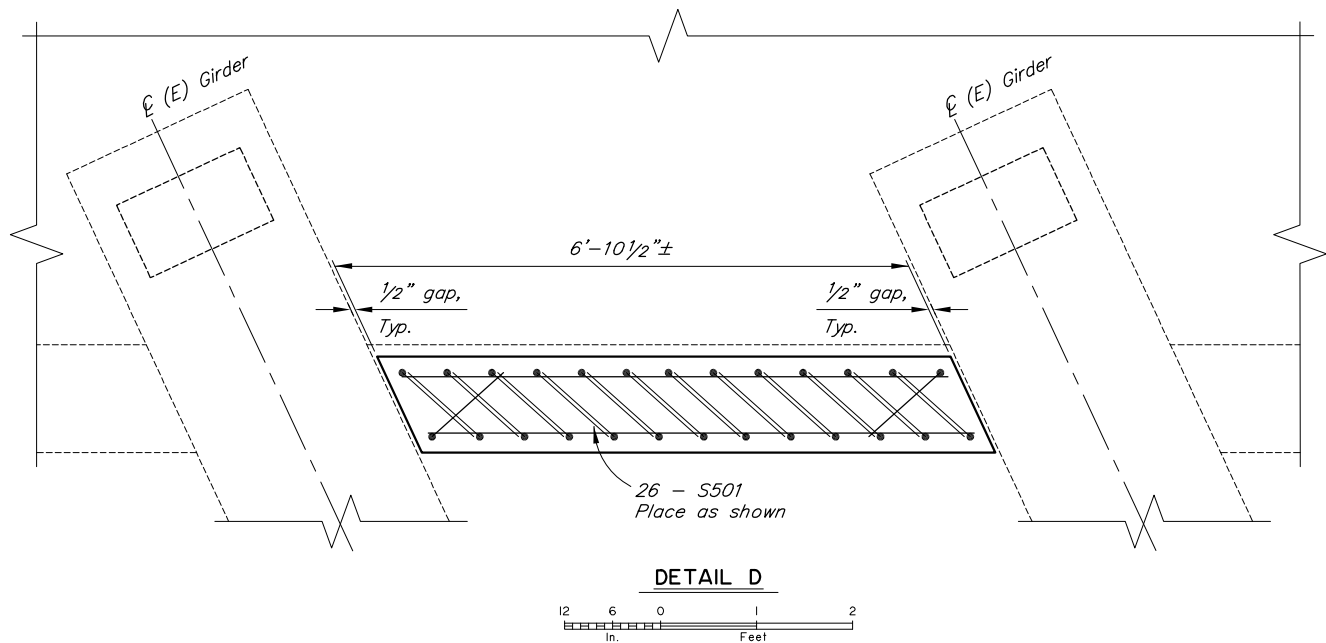
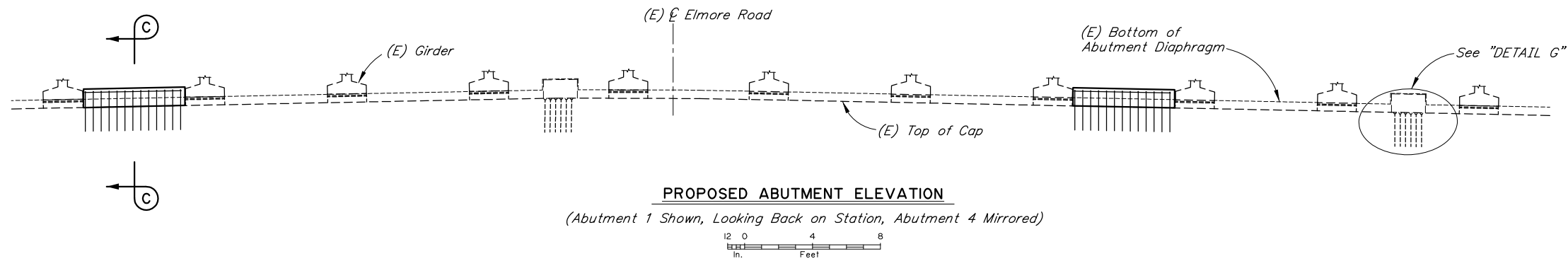
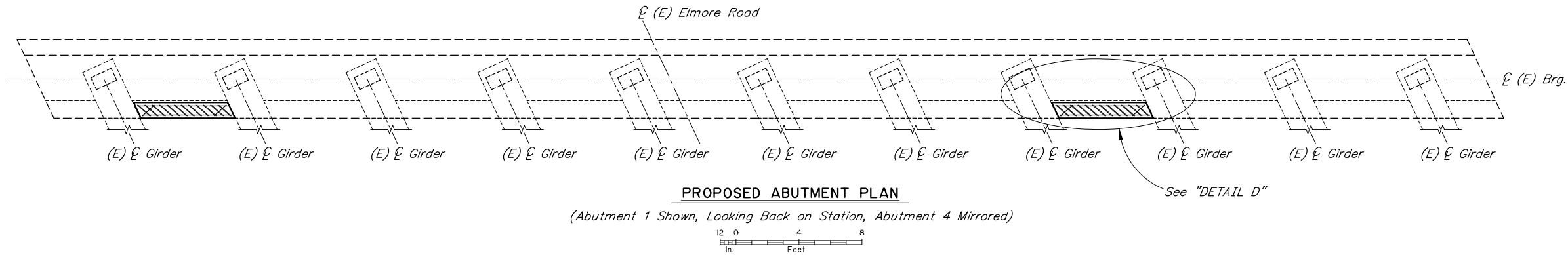


BRIDGE NO. 2152
DWG. NO. 4

R:\cod\Earthquake 2018 Bridges\2152-ABUT 1 Fri, Mar/20/20 4:23pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N41	N65

REINFORCING STEEL - ONE ABUTMENT					
MARK	NOTE	SIZE	NO.	LENGTH	TYPE
S501		5	52	3'-4"	BENT
S502		5	4	6'-8"	---
BENDING DIAGRAM					
					



NOTES:

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

DESIGNED BY: Ben Still
CHECKED: Nick Murray
DRAWN BY: [Blank]
QUANTITY: [Blank]

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION

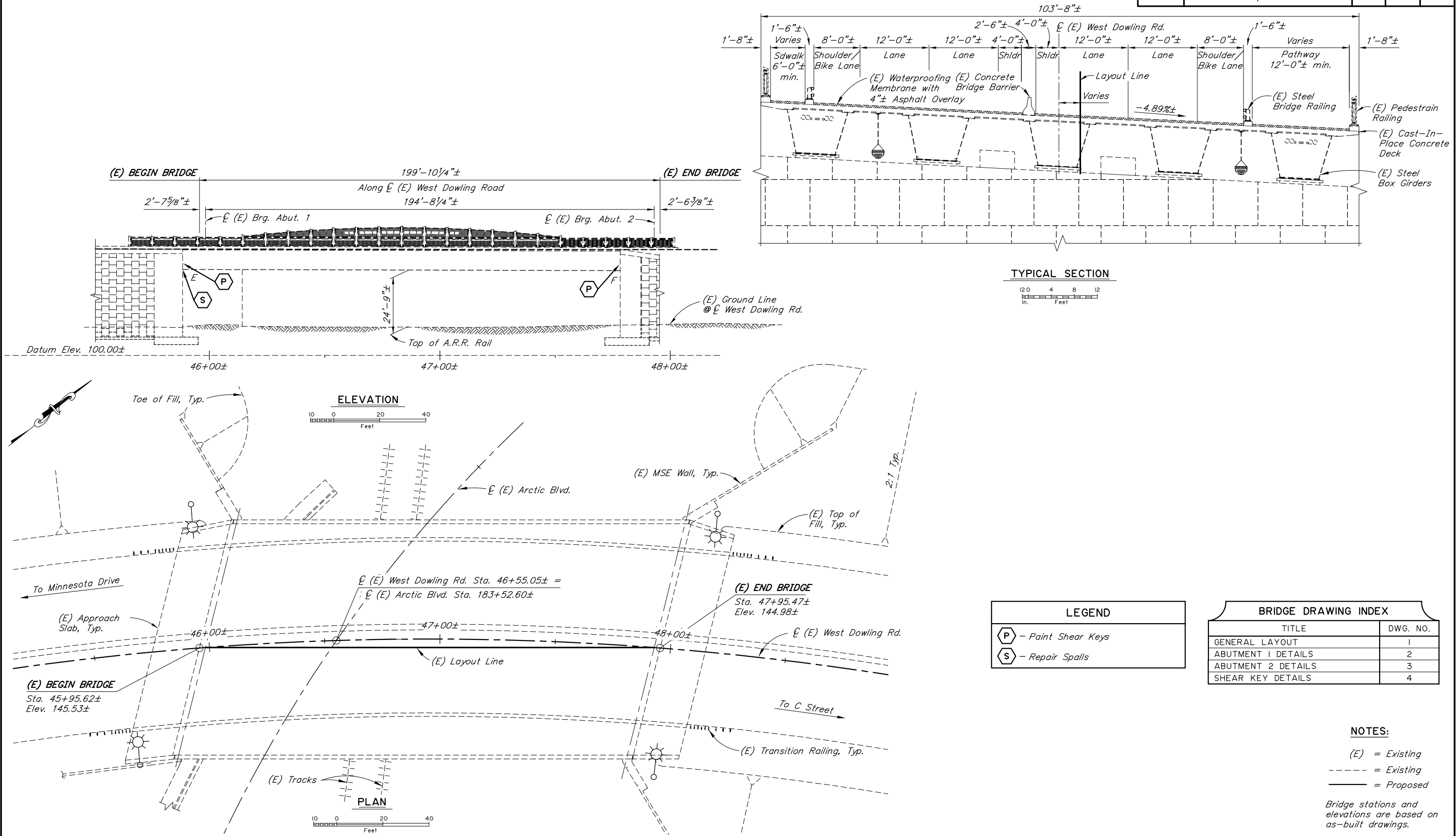
NORTH FORK CAMPBELL CREEK BRIDGE
ELMORE ROAD
PROPOSED ABUTMENTS
SHEAR KEY DETAILS



BRIDGE NO. 2152
DWG. NO. 5

R:\cod\Earthquake 2018 Bridges\2273-2273 - GEN Fri, Mar/20/20 4:25pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N42	N65



DESIGNED BY:	Ben Still	CHECKED:	Nick Murray
DRAWN BY:		APPROVED:	
QUANTITY	Preliminary		

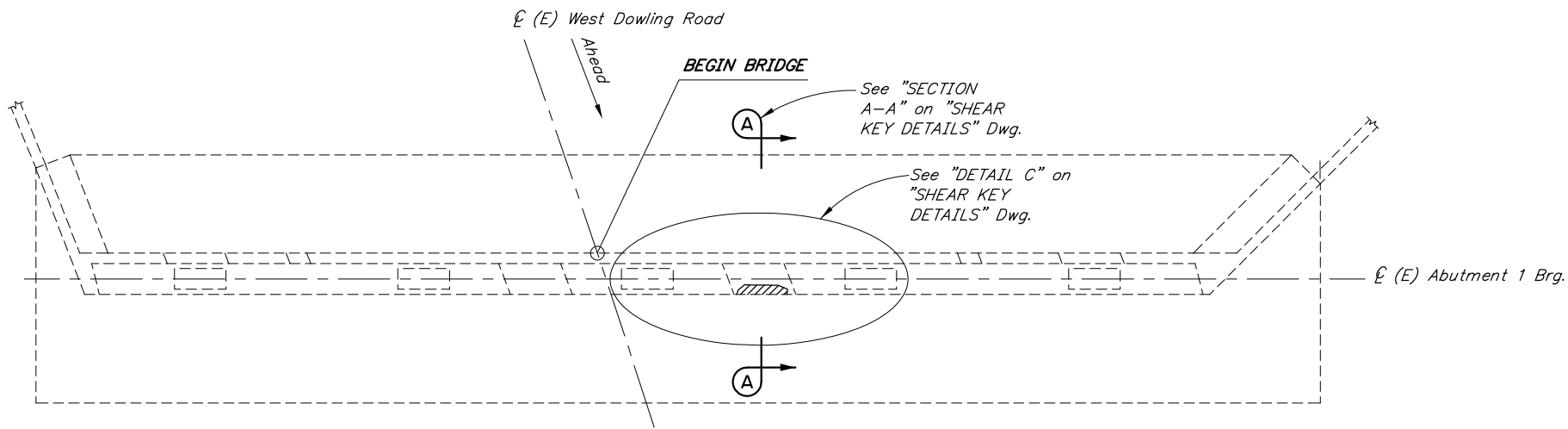
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

WEST DOWLING ROAD OVERCROSSING
WEST DOWLING ROAD
GENERAL LAYOUT

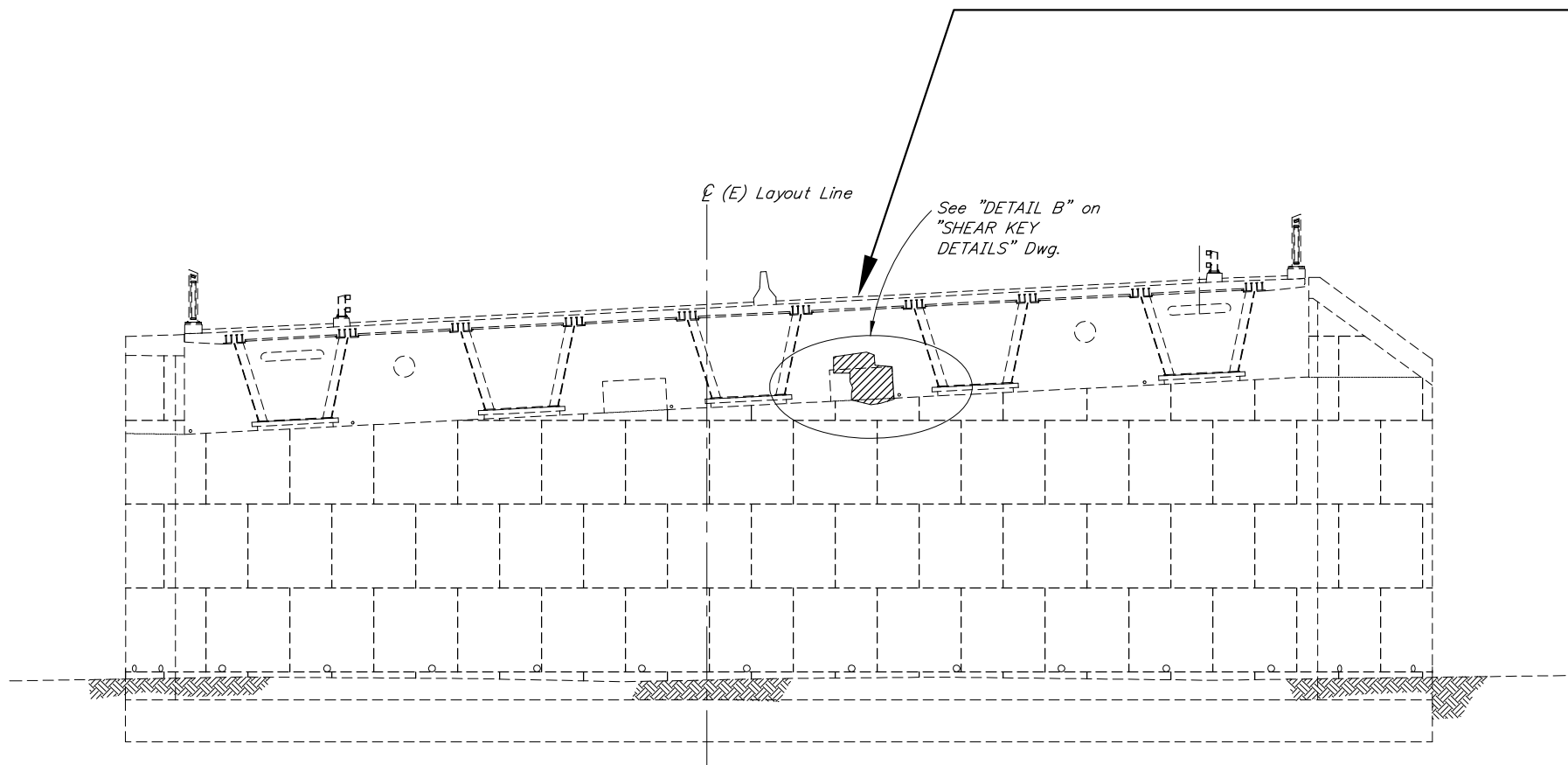


BRIDGE NO. 2273
DWG. NO. 1

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N43	N65



PLAN
12 0 4 8 12
In. Feet



ELEVATION
(Looking Back on Station)
12 0 4 8 12
In. Feet



ABUTMENT 1 BAY 2 SHEAR KEY

- NOTES:**
-  = Unsound Concrete
 - (E) = Existing
 - = Existing
 - = Proposed
1. Locations and sizes of unsound concrete are for illustration purposes only.

DESIGNED BY: Ben Still CHECKED: Nick Murray

DRAWN BY: APPROVED:

QUANTITY

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

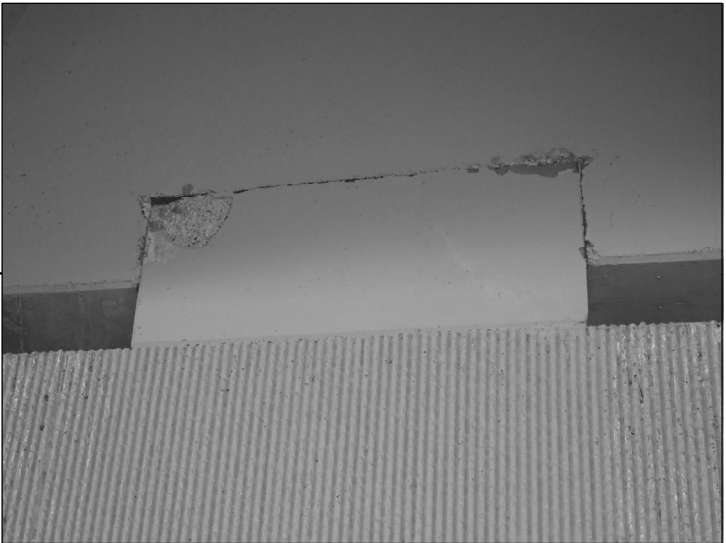
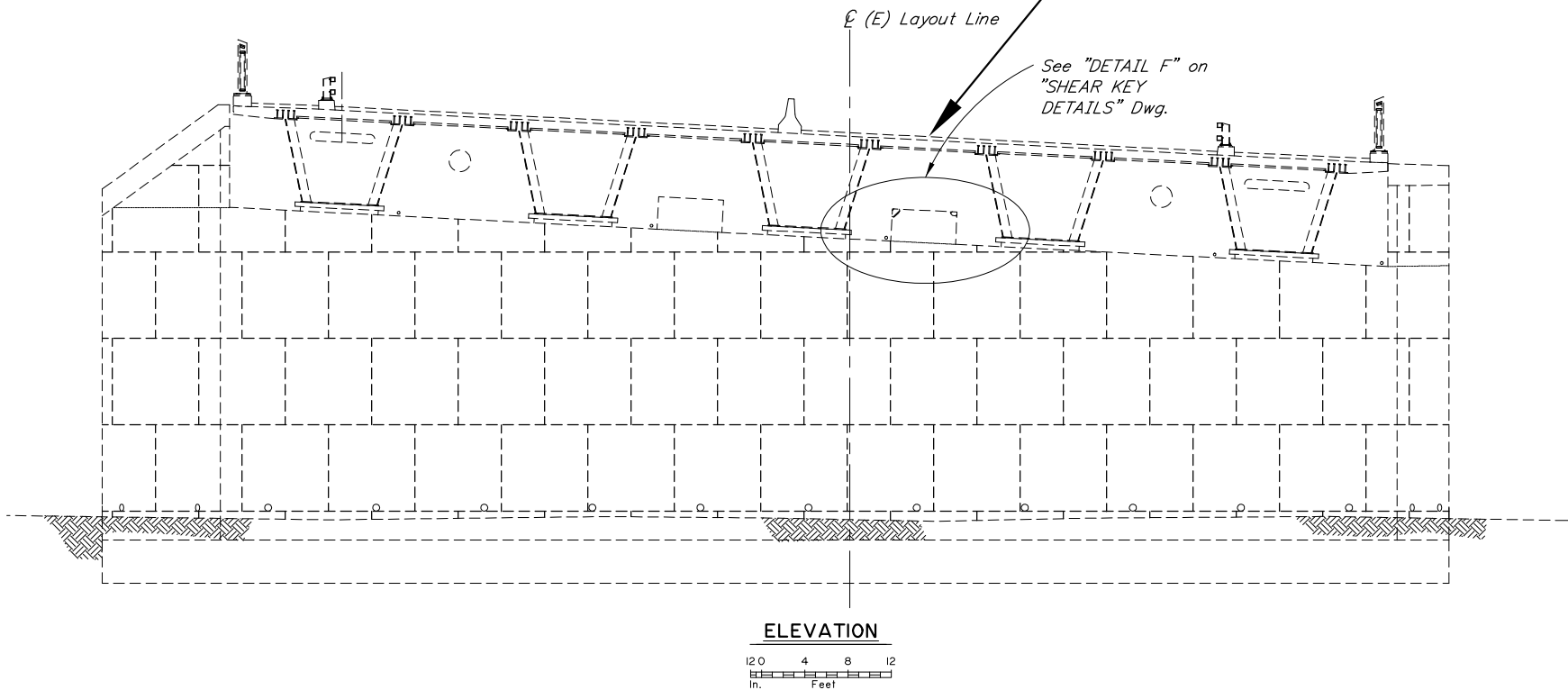
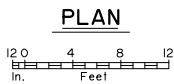
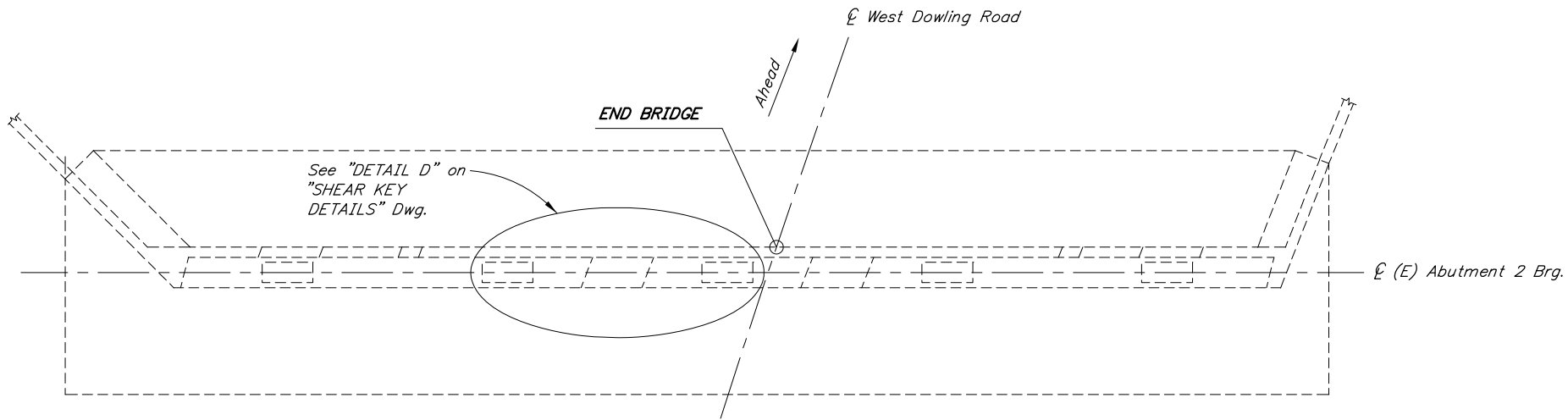
WEST DOWLING ROAD OVERCROSSING
WEST DOWLING ROAD
ABUTMENT 1 DETAILS



BRIDGE NO. 2273

DWG. NO. 2

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N44	N65



ABUTMENT 2 BAY 2 SHEAR KEY

- NOTES:**
- = Unsound Concrete
 - (E) = Existing
 - = Existing
 - = Proposed
1. Locations and sizes of unsound concrete are for illustration purposes only.

DESIGNED BY: Ben Still CHECKED: Nick Murray

DRAWN BY: APPROVED:

QUANTITY

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

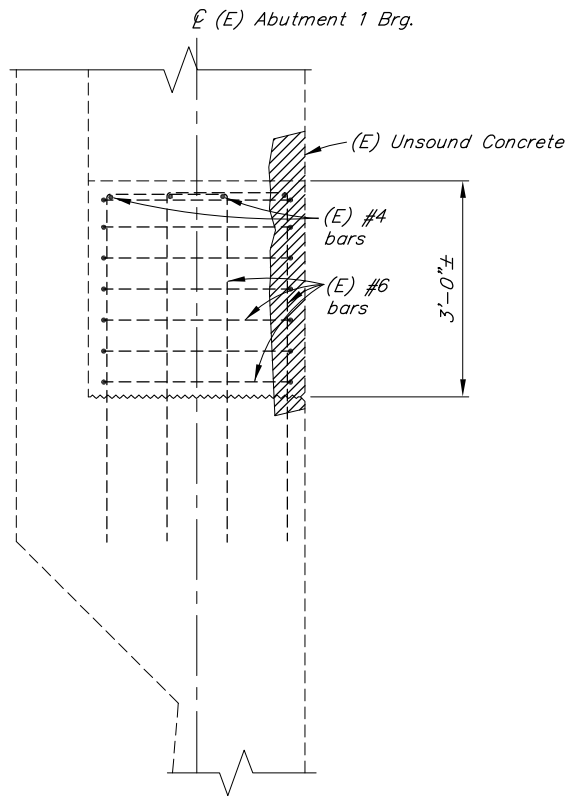
WEST DOWLING ROAD OVERCROSSING
WEST DOWLING ROAD
ABUTMENT 2 DETAILS



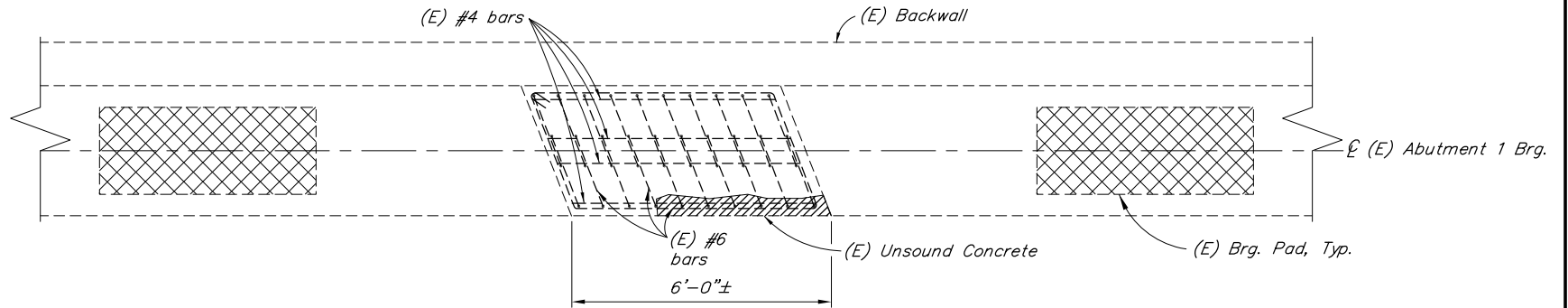
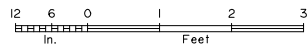
BRIDGE NO. 2273
DWG. NO. 3

R:\cod\Earthquake 2018 Bridges\2273-2273 - SHEAR KEY Fri, Mar/20/20 4:25pm

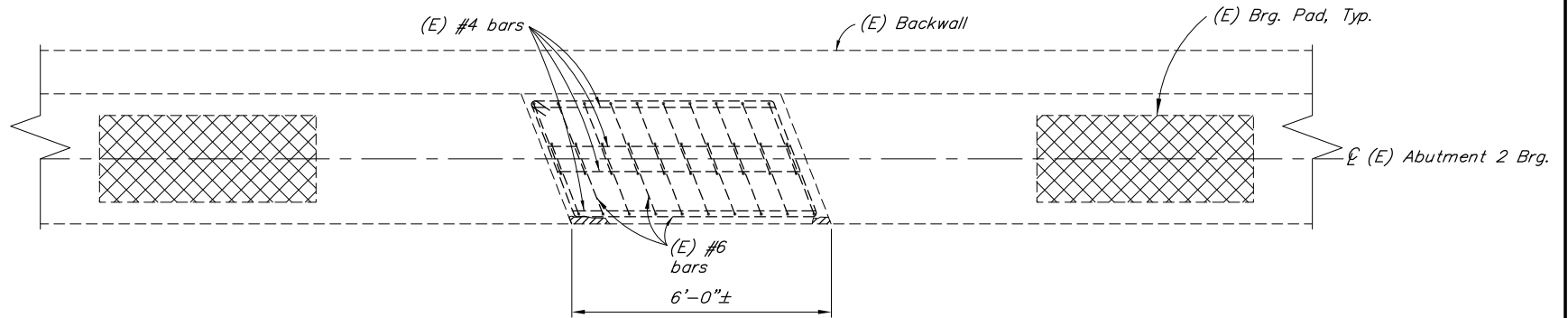
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N45	N65



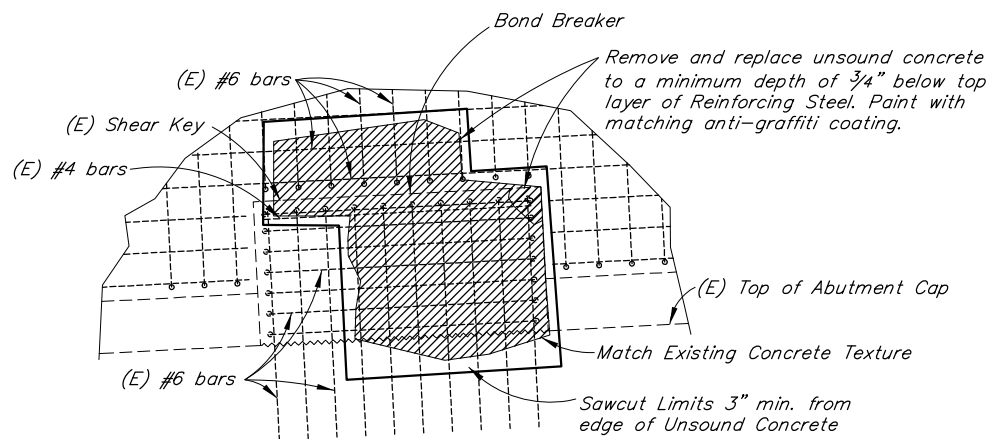
SECTION A-A



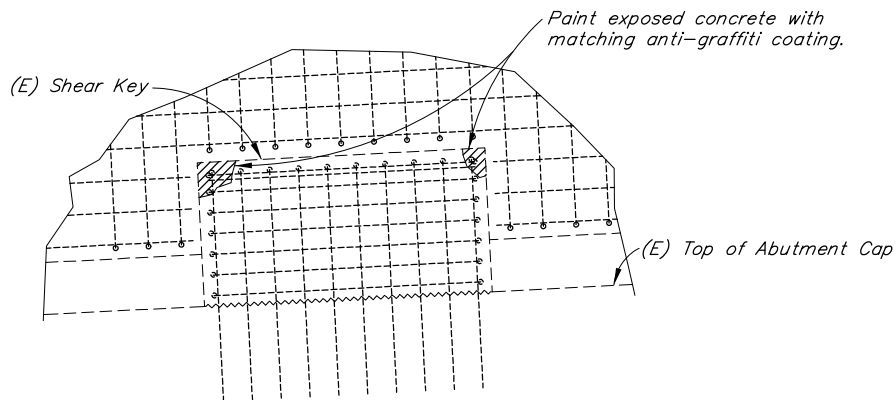
DETAIL C



DETAIL D



DETAIL B



DETAIL F



NOTES:

- = Unsound Concrete
- (E) = Existing
- = Existing
- = Proposed

- Locations and sizes of unsound concrete are for illustration purposes only.

DESIGNED BY: Ben Still CHECKED: Nick Murray

DRAWN BY: APPROVED:

QUANTITY

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

WEST DOWLING ROAD OVERCROSSING
WEST DOWLING ROAD
SHEAR KEY DETAILS

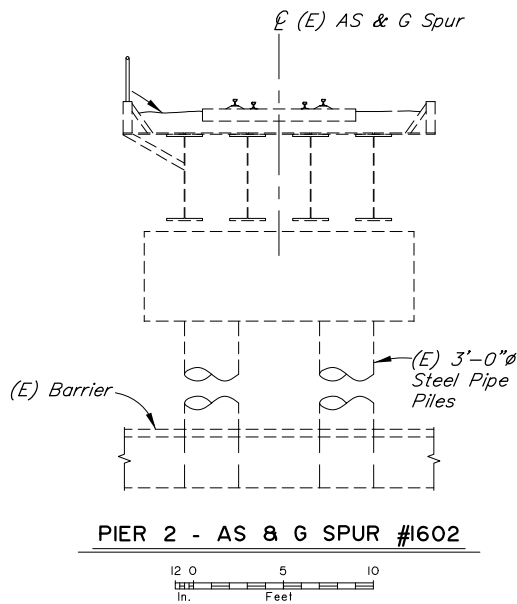
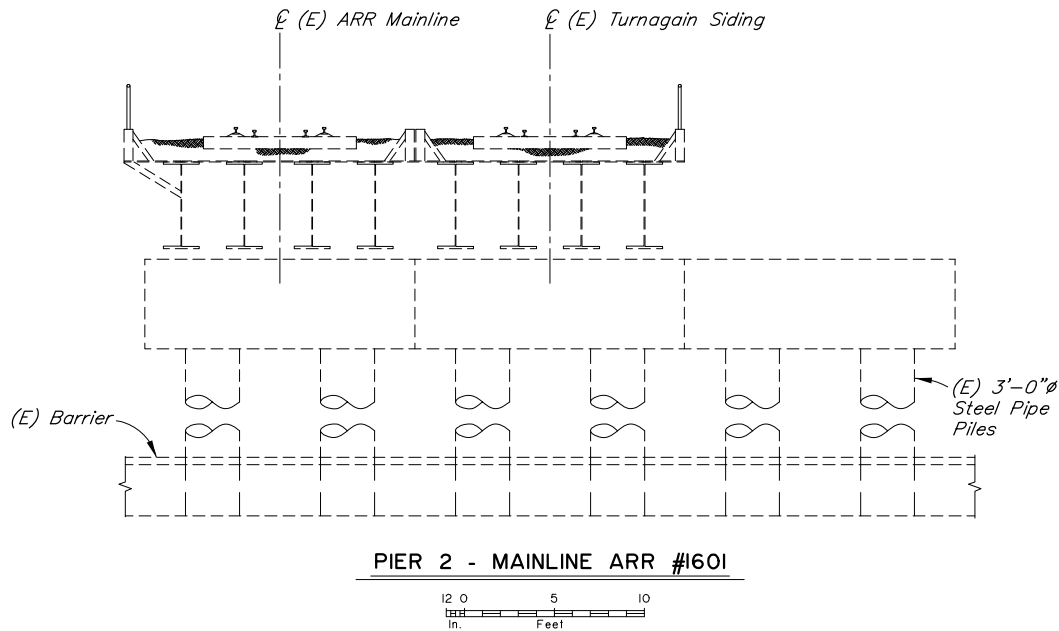
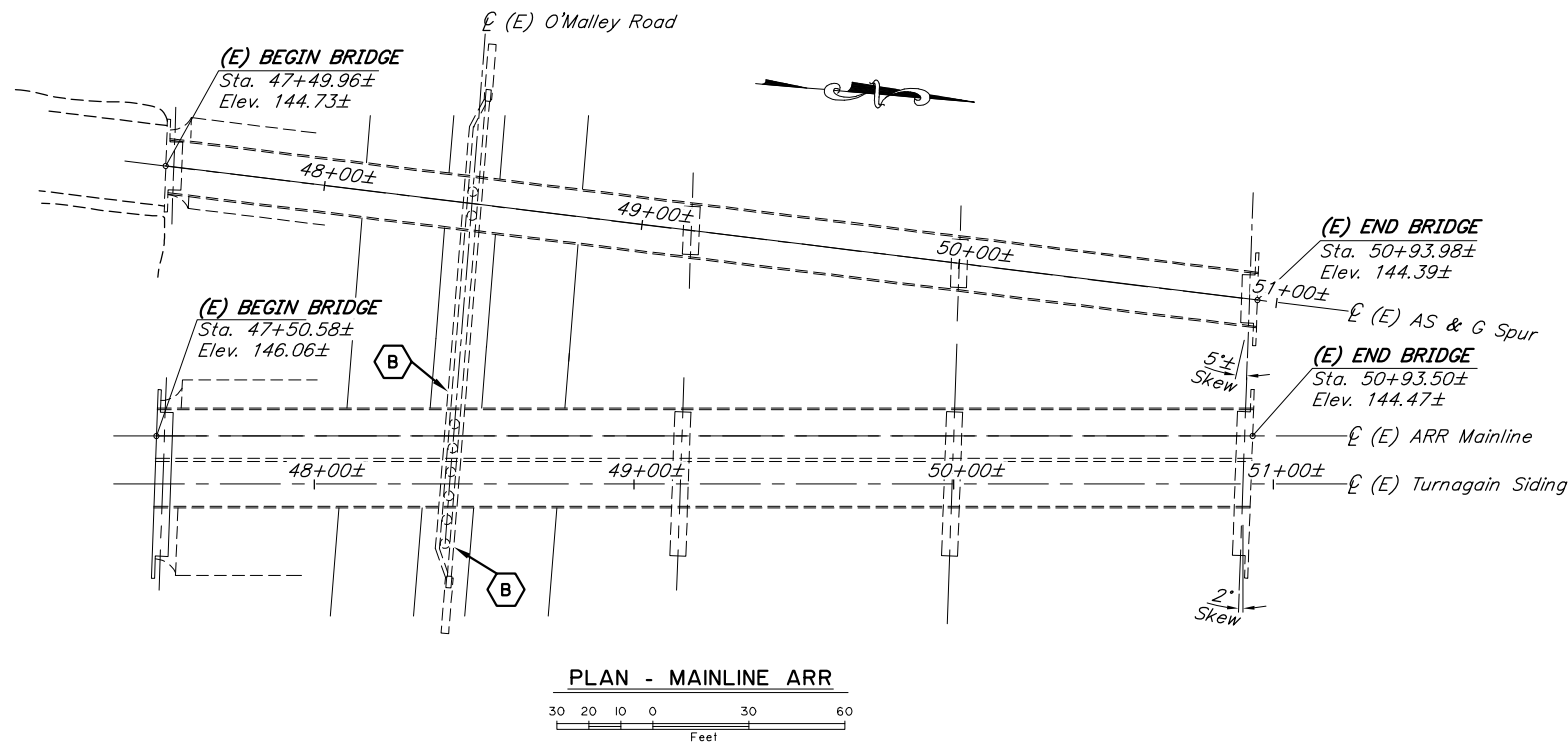
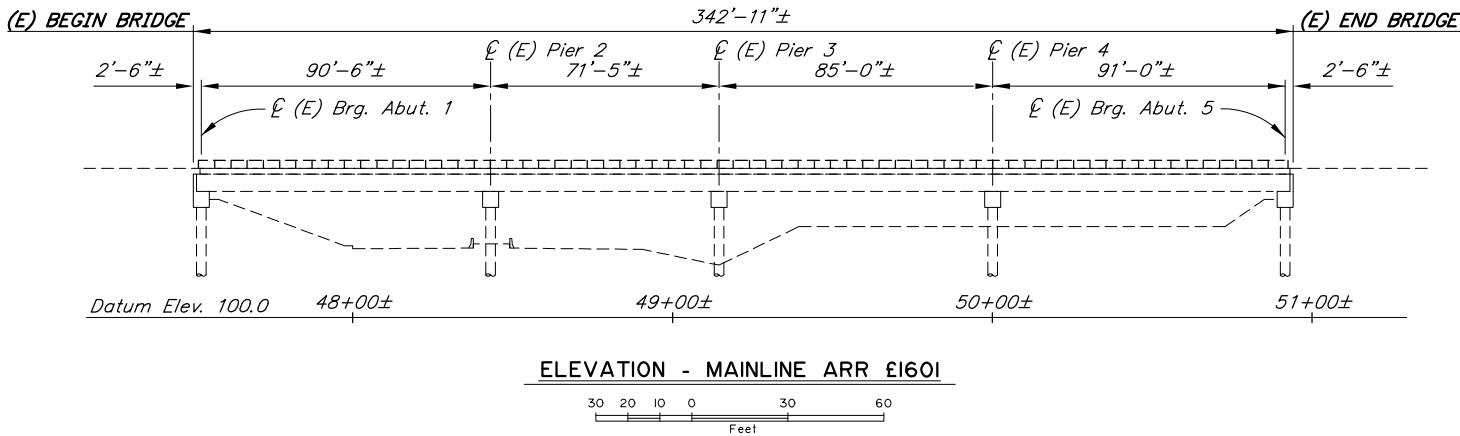
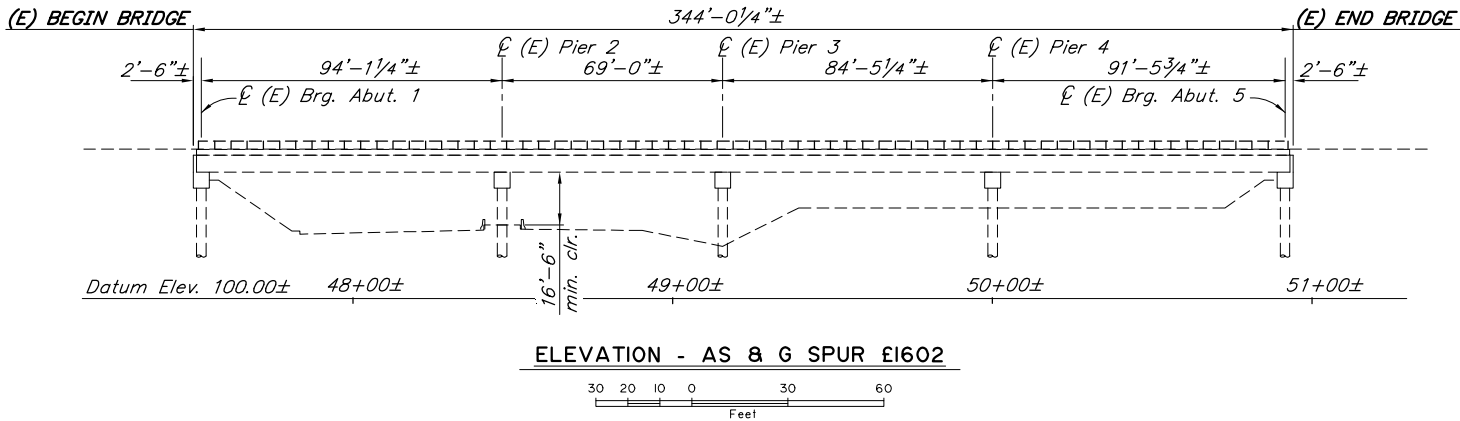


BRIDGE NO. 2273

DWG. NO. 4

R:\cad\Earthquake 2018 Bridges\1601 & 1602-GENERAL Fri, Mar/20/20 4:26pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N46	N65



LEGEND	
⬡ B	Replace Barriers with Thrie Beam

BRIDGE DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
EXISTING BARRIERS	2
EXISTING BARRIER DETAILS	3
PROPOSED THRIE BEAM	4
PROPOSED THRIE DETAILS	5
PROPOSED THRIE DETAILS 2	6

NOTES:

(E) = Existing

----- = Existing

———— = Proposed

Bridge stations and elevations are based on as-built drawings.

DESIGNED BY: Ben Still

CHECKED: Nick Murray

DRAWN BY: [Blank]

QUANT: [Blank]

Preliminary

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION

AND PUBLIC FACILITIES

BRIDGE SECTION

3132 Channel Drive

Juneau, Alaska 99801

907-465-2975

MINNESOTA DRIVE RAILROAD UNDERPASS

MINNESOTA DRIVE

GENERAL LAYOUT



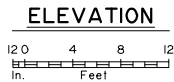
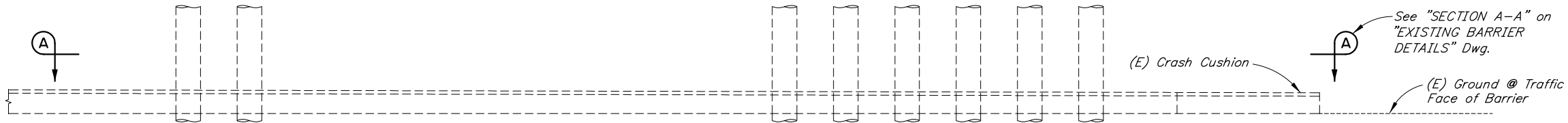
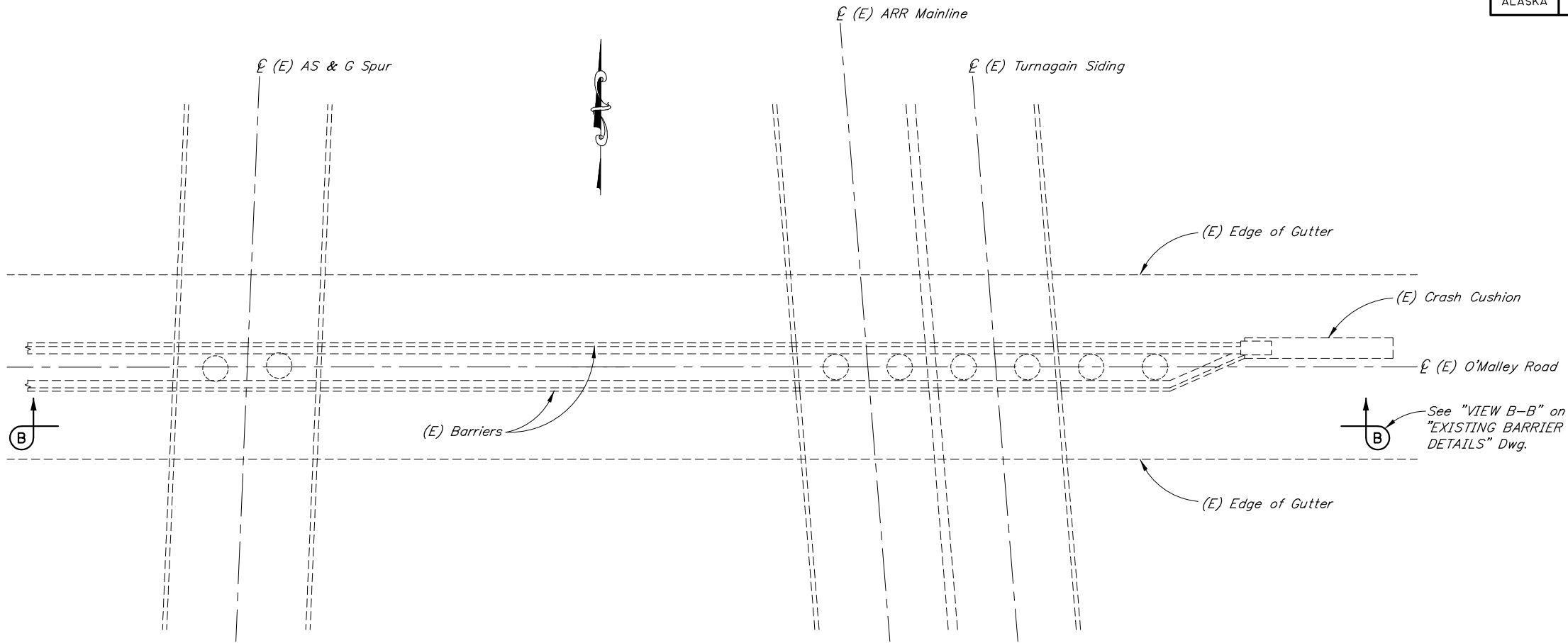
1601 &

BRIDGE NO. 1602

DWG. NO. 1

R:\cad\Earthquake 2018 Bridges\1601 & 1602-EXISTING BARRIERS Fri, Mar/20/20 4:26pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N47	N65



NOTES:

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

DESIGNED BY: Ben Still
CHECKED: Nick Murray

DRAWN BY: [Blank]
QUANTITY: [Blank]

Preliminary

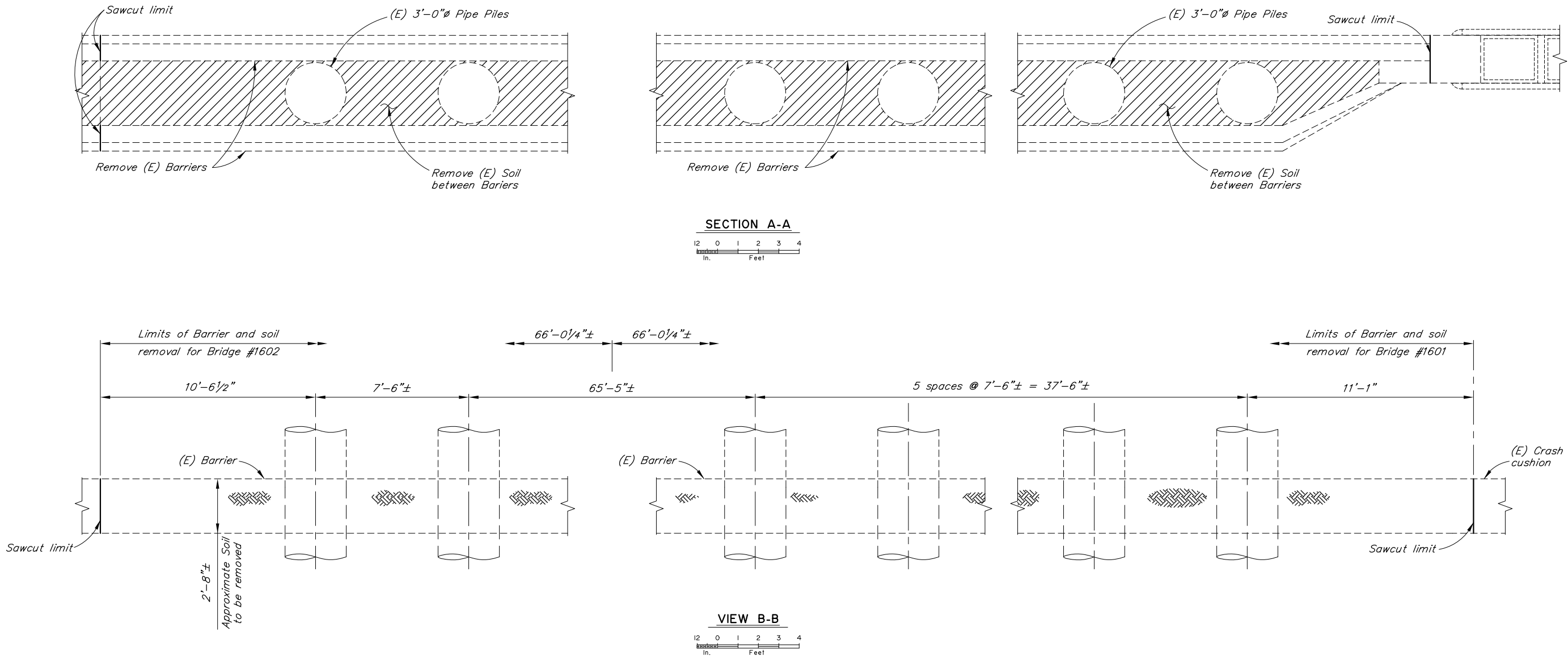
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

MINNESOTA DRIVE RAILROAD UNDERPASS
MINNESOTA DRIVE
EXISTING BARRIERS



1601 &
BRIDGE NO. 1602
DWG. NO. 2

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N48	N65



NOTES:

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

DESIGNED BY: Ben Still
CHECKED: Nick Murray
DRAWN BY: [blank]
QUANTITY: [blank]

Preliminary

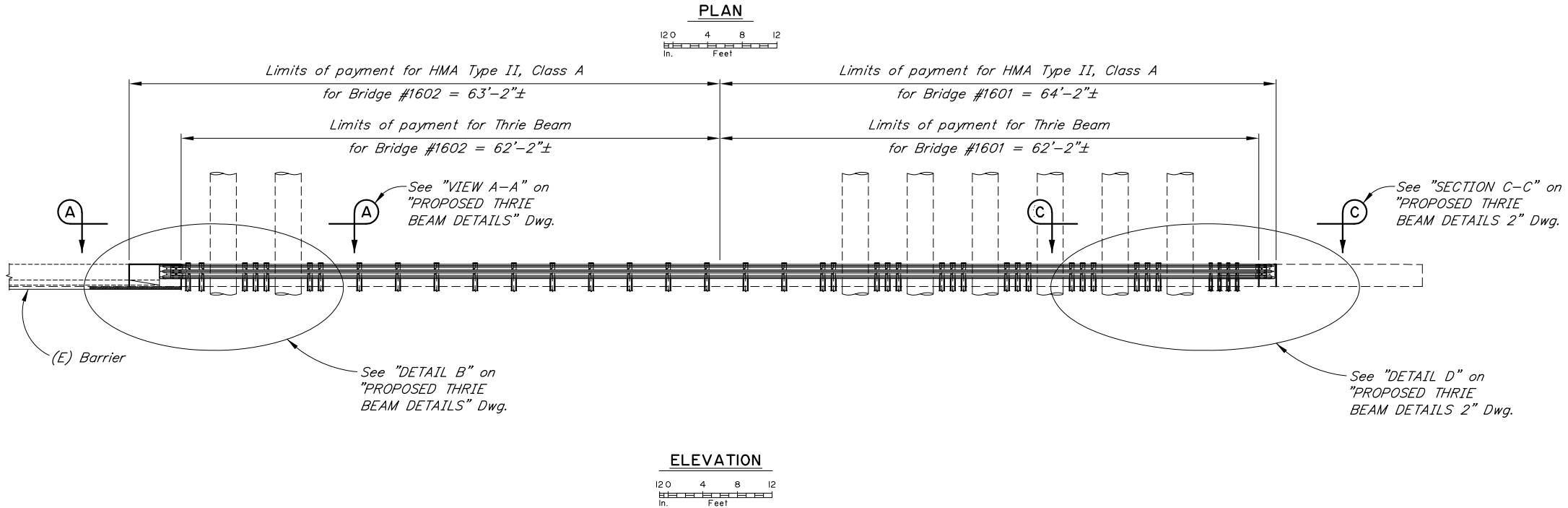
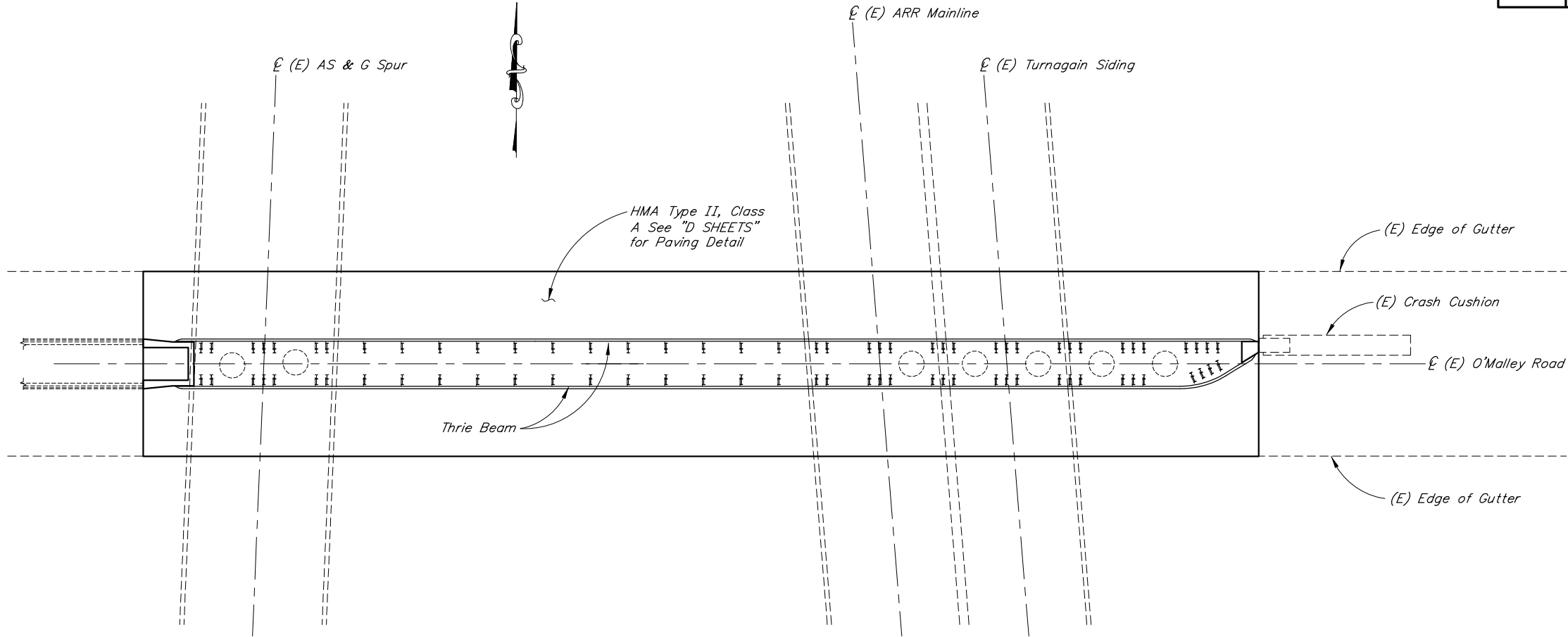
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

MINNESOTA DRIVE RAILROAD UNDERPASS
MINNESOTA DRIVE
EXISTING BARRIER DETAILS



1601 8
BRIDGE NO. 1602
DWG. NO. 3

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N49	N65



NOTES:

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

DESIGNED BY: Ben Still
CHECKED: Nick Murray

DRAWN BY: [Blank]
QUANT: [Blank]

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

MINNESOTA DRIVE RAILROAD UNDERPASS
MINNESOTA DRIVE
PROPOSED THRIE BEAM



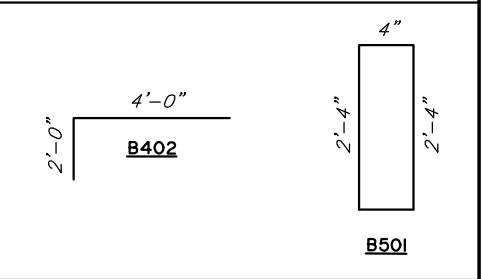
1601 8
BRIDGE NO. 1602
DWG. NO. 4

R:\cad\Earthquake 2018 Bridges\1601 & 1602-BARRIER DETAILS Fri, Mar/20/20 4:26pm

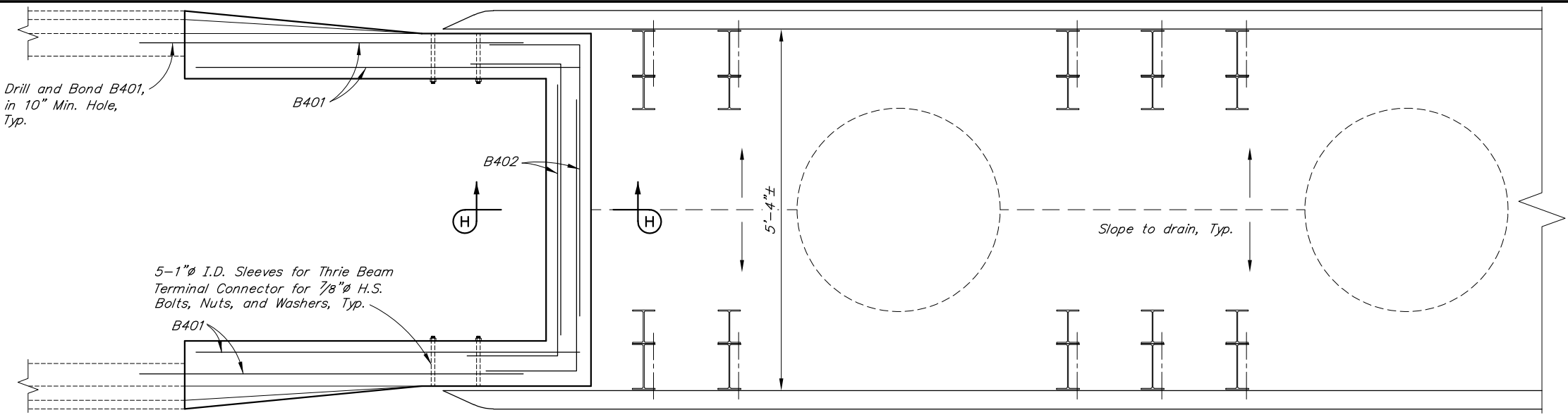
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N50	N65

REINFORCING STEEL					
MARK	NOTE	SIZE	NO.	LENGTH	TYPE
B401	E	4	12	5'-8"	---
B402	E	4	12	VARIES	BENT
B501	E	5	19	5'-4"	BENT

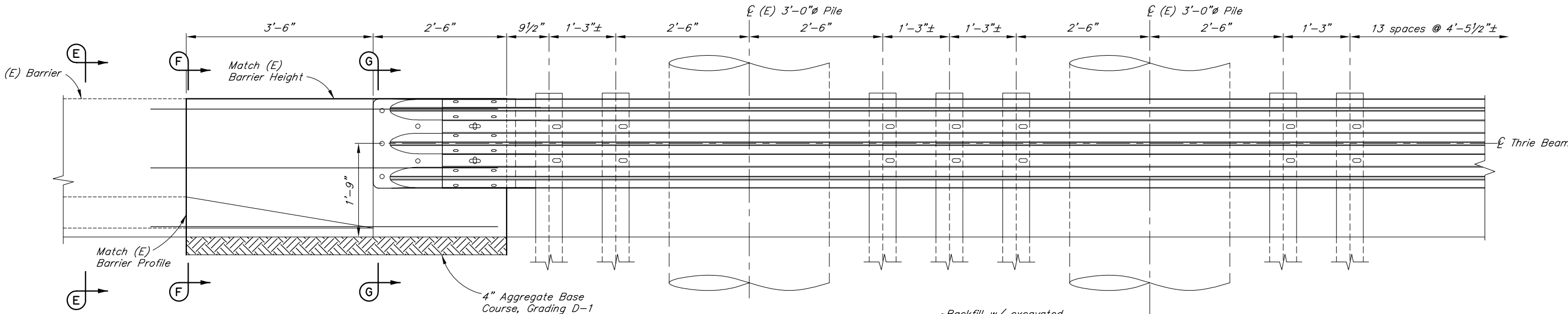
BENDING DIAGRAM



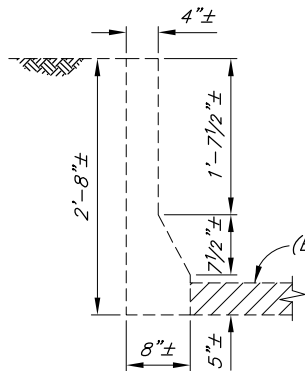
E - Epoxy-Coated



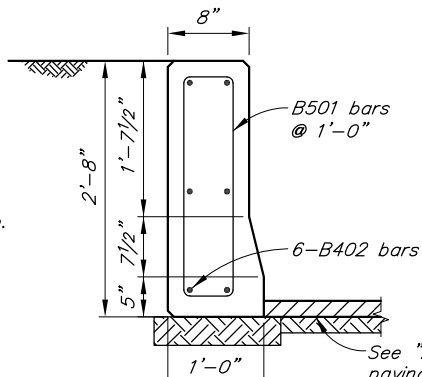
VIEW A-A



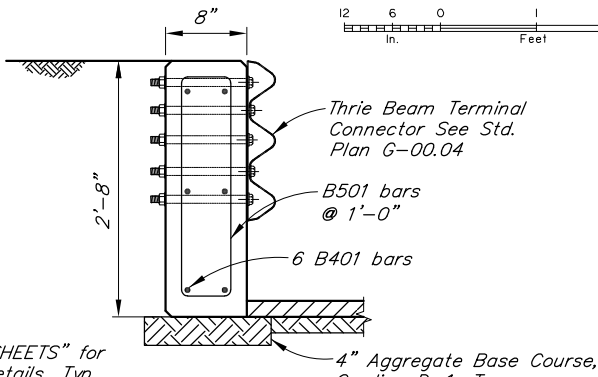
DETAIL B



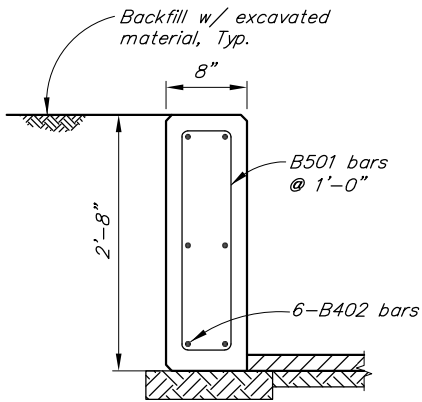
SECTION E-E EXISTING BARRIER



SECTION F-F



SECTION G-G



SECTION H-H



NOTES:

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

DESIGNED BY: Ben Still CHECKED: Nick Murray

DRAWN BY: [Redacted]

QUANTITY

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

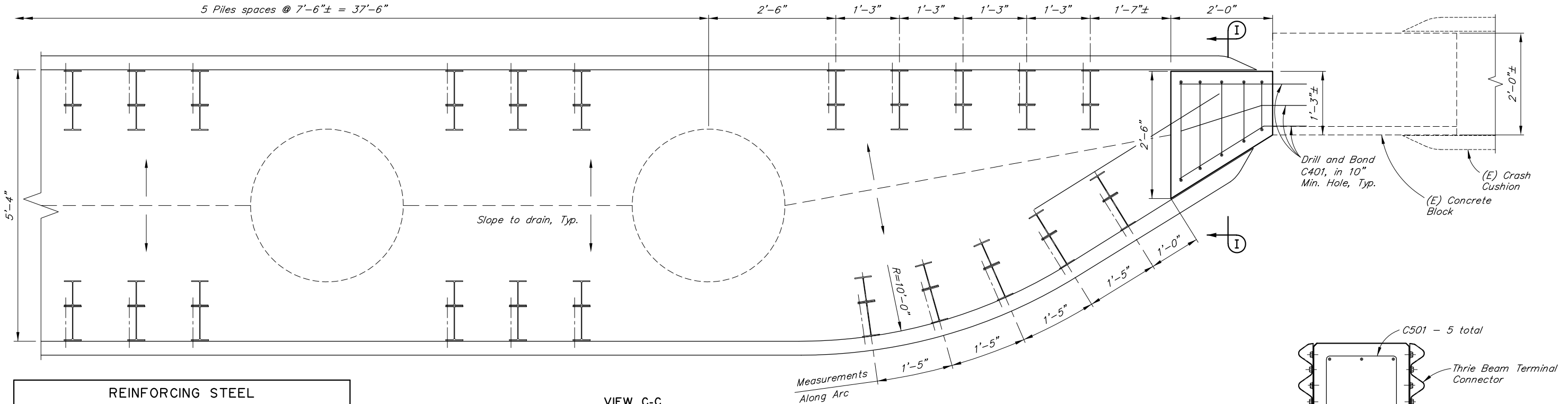
MINNESOTA DRIVE RAILROAD UNDERPASS
MINNESOTA DRIVE
PROPOSED THRIE BEAM DETAILS



1601 &
BRIDGE NO. 1602
DWG. NO. 5

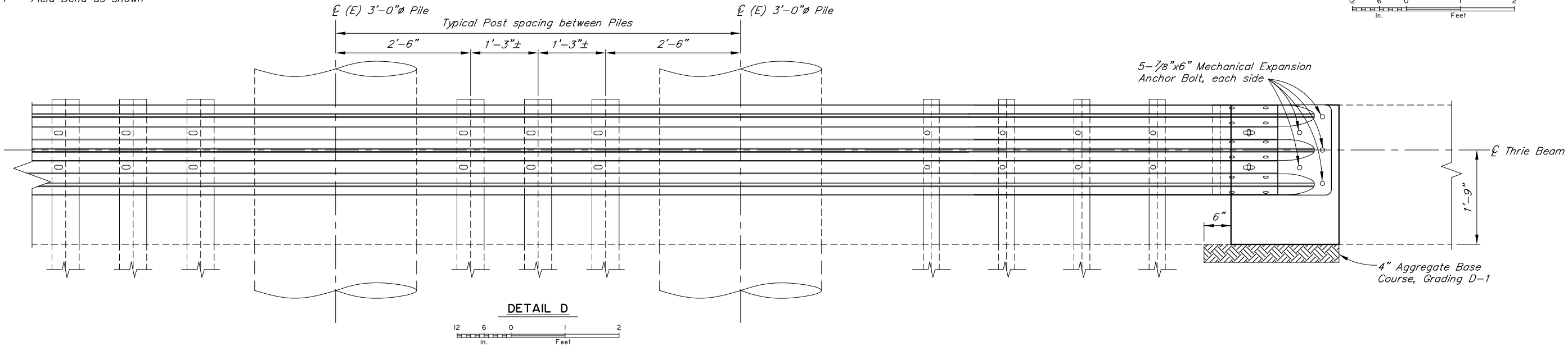
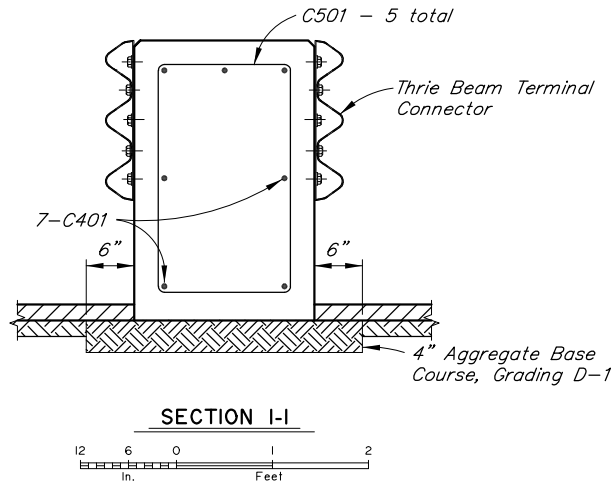
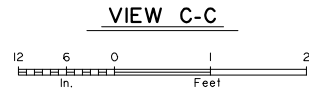
R:\cad\Earthquake 2018 Bridges\1601 & 1602-BARRIER DETAILS 2 Fri, Mar/20/20 4:26pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N51	N65



REINFORCING STEEL					
MARK	NOTE	SIZE	NO.	LENGTH	TYPE
C401	E,F	4	7	VARIES	---
C501	E	5	5	VARIES	BENT
BENDING DIAGRAM					
2'-6" min.					
2'-9" max.					
C401					
C501					

E - Epoxy Coated
F - Field Bend as shown



NOTES:

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

DESIGNED BY: Ben Still
CHECKED: Nick Murray

DRAWN BY: [Blank]
QUANTITY: [Blank]

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

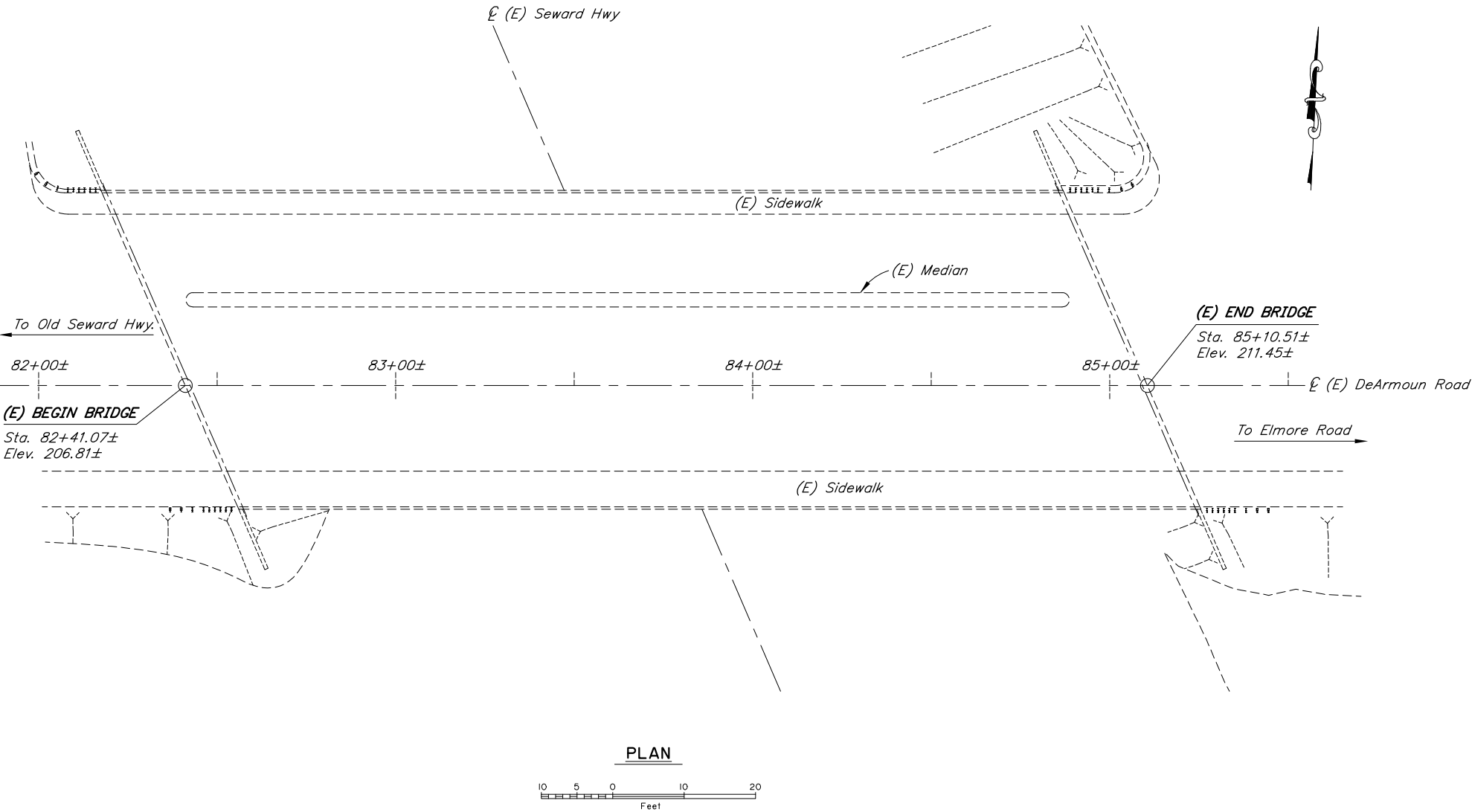
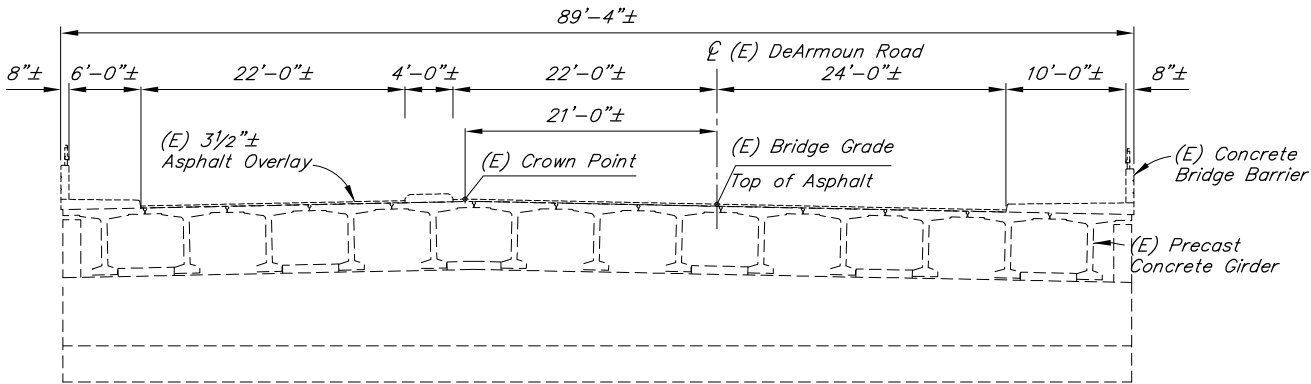
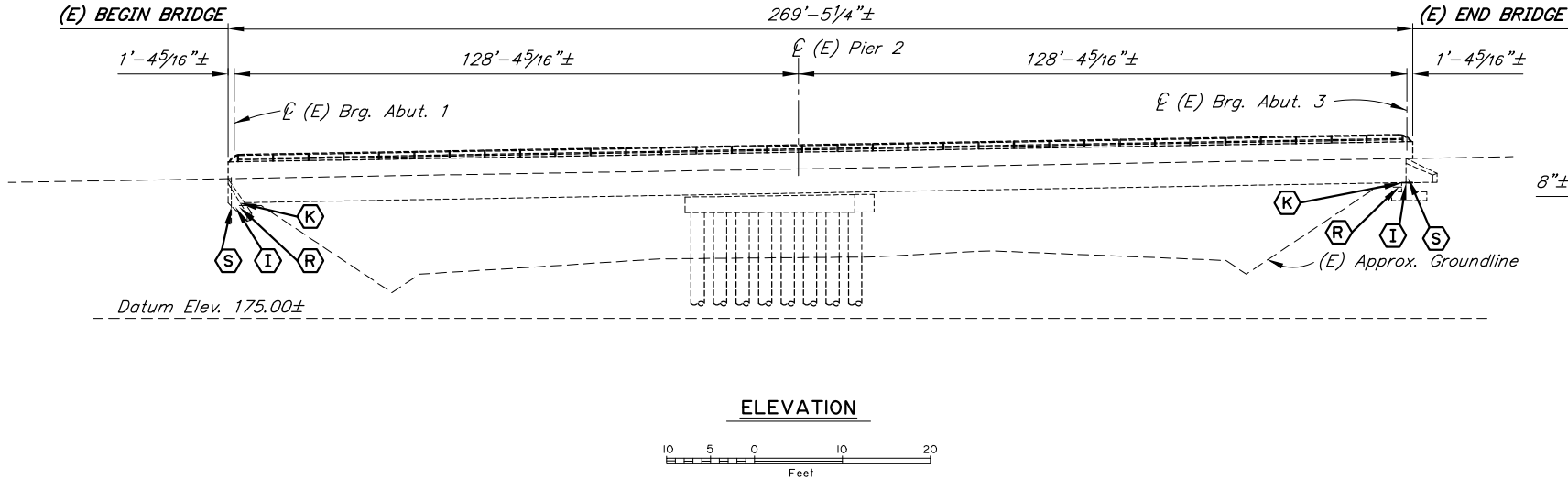
MINNESOTA DRIVE RAILROAD UNDERPASS
MINNESOTA DRIVE
PROPOSED THRIE BEAM DETAILS 2



1601 8
BRIDGE NO. 1602
DWG. NO. 6

C:\Users\mcfoster1\AppData\Local\Temp\AcPublish_4220\1391-GENERAL LAYOUT Fri, Mar/20/20 04:29pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N52	N65



BRIDGE DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
DAMAGED LOCATIONS ABUTMENT 1	2
DAMAGED LOCATIONS ABUTMENT 3	3
ABUTMENTS	4
ABUTMENT DETAILS	5

LEGEND	
(I)	Inject Cracks
(K)	Replace Shear Keys
(R)	Remove Shear Keys
(S)	Repair Spalls

NOTES:

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

Bridge stations and elevations are based on as-built drawings.

DESIGNED BY: Ben Still
CHECKED: Nick Murray
DRAWN: **Preliminary**
QUANTITIES:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

DEARMOUN OVERCROSSING
DEARMOUN ROAD
GENERAL LAYOUT



BRIDGE NO. 1391
DWG. NO. 1

C:\Users\mcfoster1\AppData\Local\Temp\AcPublish_4220\1391-LOCATIONS Fri, Mar/20/20 04:29pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N53	N65



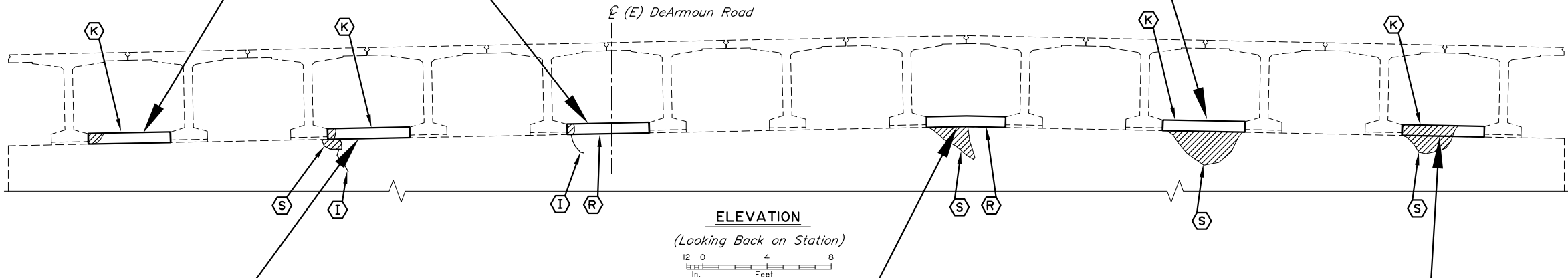
ABUTMENT 1 BAY 12 SHEAR KEY



ABUTMENT 1 BAY 8 SHEAR KEY



ABUTMENT 1 BAY 3 SHEAR KEY



ABUTMENT 1 BAY 10 SHEAR KEY



ABUTMENT 1 BAY 5 SHEAR KEY



ABUTMENT 1 BAY 1 SHEAR KEY

LEGEND	
(I)	Inject Cracks
(K)	Replace Shear Keys
(R)	Remove Shear Keys
(S)	Repair Spalls

NOTES:	
	= Unsound Concrete
(E)	= Existing
---	= Existing
---	= Proposed

1. Locations and sizes of unsound concrete and cracks are for illustration purposes only.

DESIGNED BY:	Ben Still	CHECKED:	Nick Murray
--------------	-----------	----------	-------------

DRAWN
QUANT
Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

DEARMOUN OVERCROSSING
DEARMOUN ROAD
DAMAGED LOCATIONS ABUTMENT 1



BRIDGE NO. 1391
DWG. NO. 2

C:\Users\mcfoster1\AppData\Local\Temp\AcPublish_4220\1391-LOCATIONS (2) Fri, Mar/20/20 04:29pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N54	N65



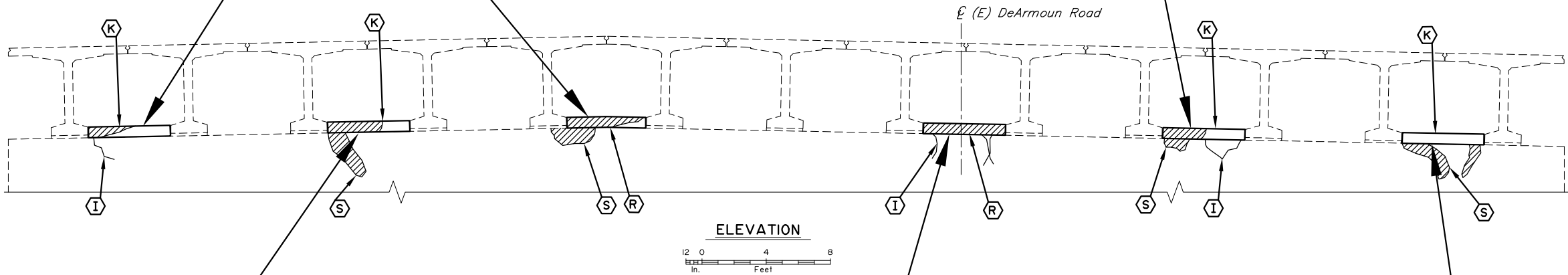
ABUTMENT 3 BAY 1 SHEAR KEY



ABUTMENT 3 BAY 5 SHEAR KEY



ABUTMENT 3 BAY 10 SHEAR KEY



ABUTMENT 3 BAY 3 SHEAR KEY



ABUTMENT 3 BAY 8 SHEAR KEY



ABUTMENT 3 BAY 12 SHEAR KEY

LEGEND	
(I)	Inject Cracks
(K)	Replace Shear Keys
(R)	Remove Shear Keys
(S)	Repair Spalls

- NOTES:**
- = Unsound Concrete
 - (E) = Existing
 - = Existing
 - = Proposed
1. Locations and sizes of unsound concrete and cracks are for illustration purposes only.

DESIGNED BY:	Ben Still	CHECKED:	Nick Murray
--------------	-----------	----------	-------------

DRAWN
QUANTIFIED
Preliminary

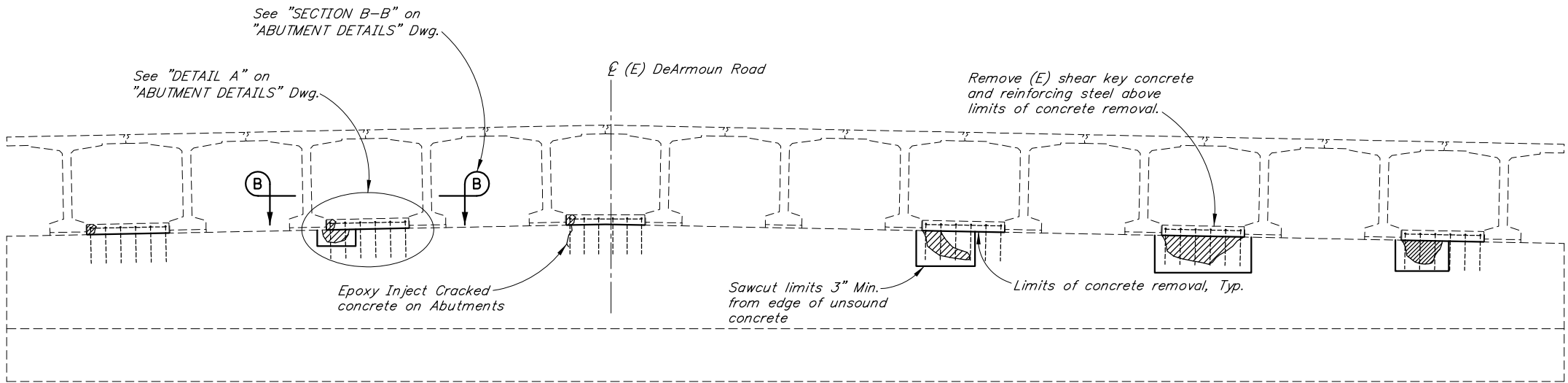
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

DEARMOUN OVERCROSSING
DEARMOUN ROAD
DAMAGED LOCATIONS ABUTMENT 3



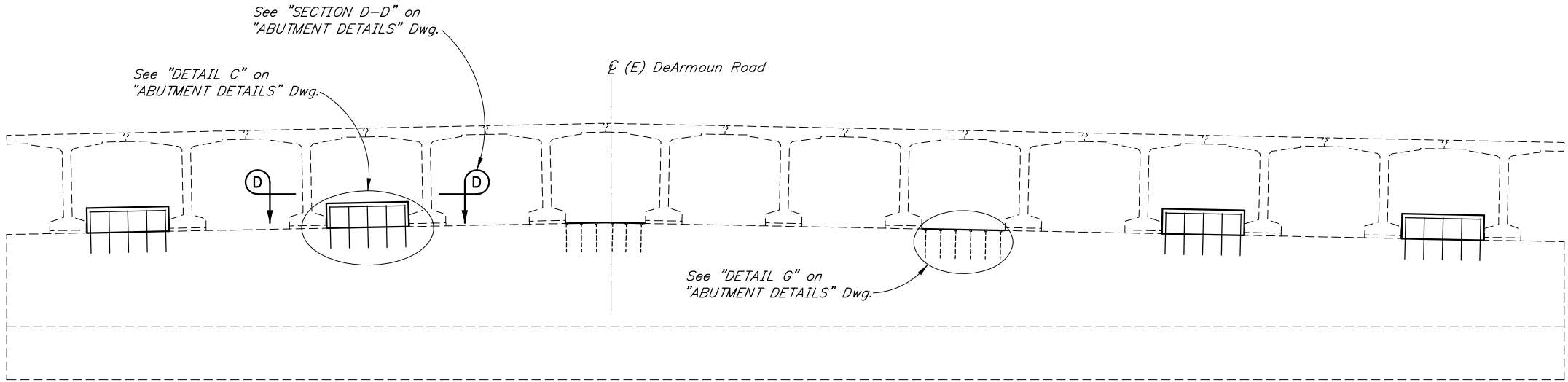
BRIDGE NO. 1391
DWG. NO. 3

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N55	N65



EXISTING ABUTMENT ELEVATION

(Abutment 1 Shown, Looking Back on Station, Abutment 3 Similar)



PROPOSED ABUTMENT ELEVATION

(Abutment 1 Shown, Looking Back on Station, Abutment 3 Similar)



NOTES:

- = Unsound Concrete
- (E) = Existing
- = Existing
- = Proposed

1. Locations and sizes of unsound concrete and cracks are for illustration purposes only.

DESIGNED BY: Ben Still

CHECKED: Nick Murray

DRAWN

QUANT

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

DEARMOUN OVERCROSSING
DEARMOUN ROAD
ABUTMENTS



BRIDGE NO. 1391

DWG. NO. 4

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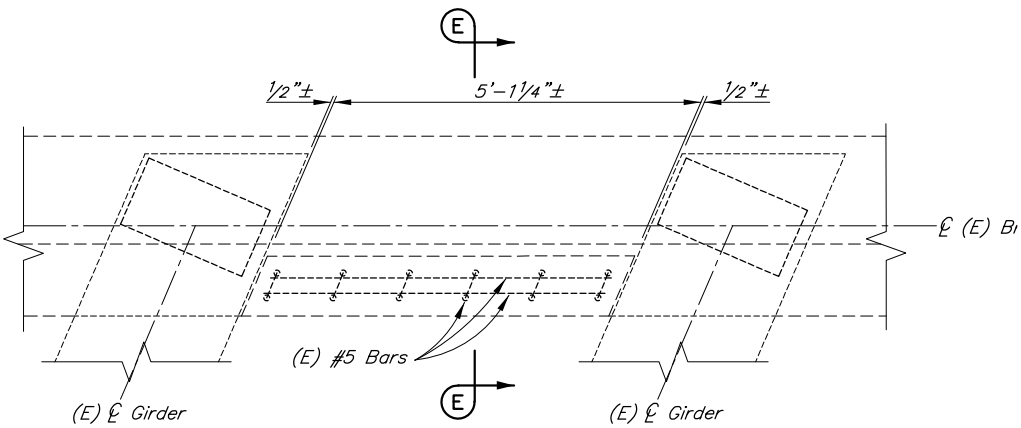
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STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N56	N65

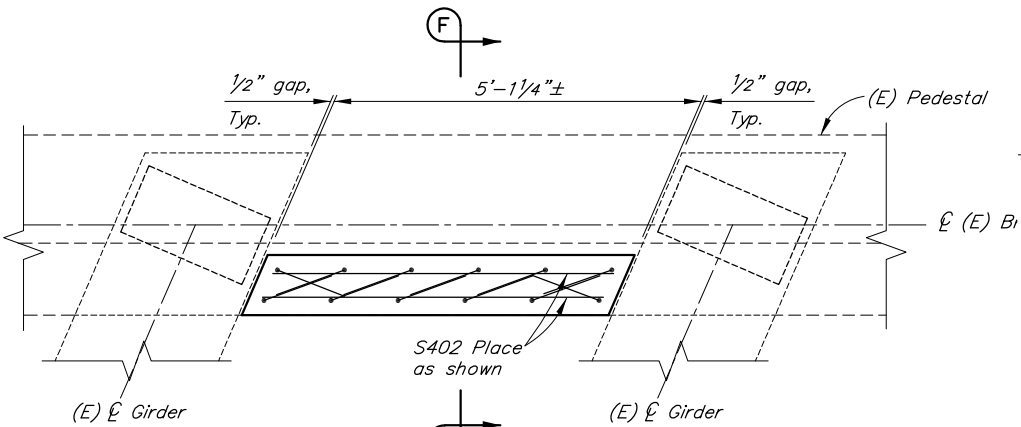
REINFORCING STEEL - ONE ABUTMENT					
MARK	NOTE	SIZE	NO.	LENGTH	TYPE
S401		4	8	4'-0"	---
S501		5	48	3'-5"	BENT

BENDING DIAGRAM

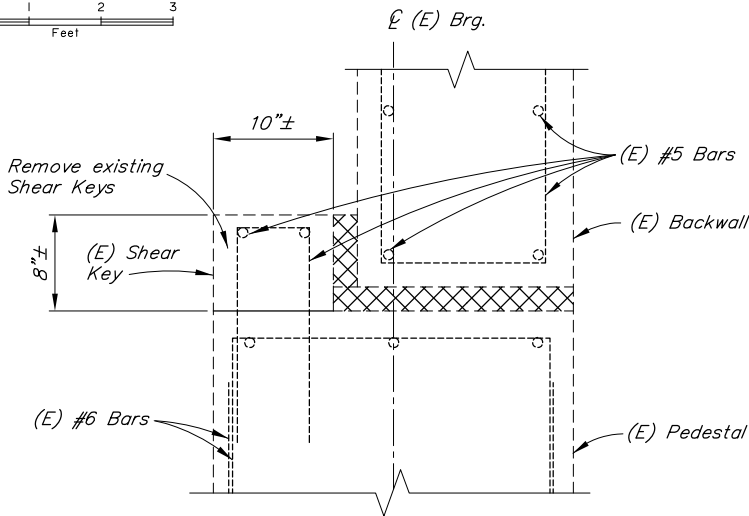
S601



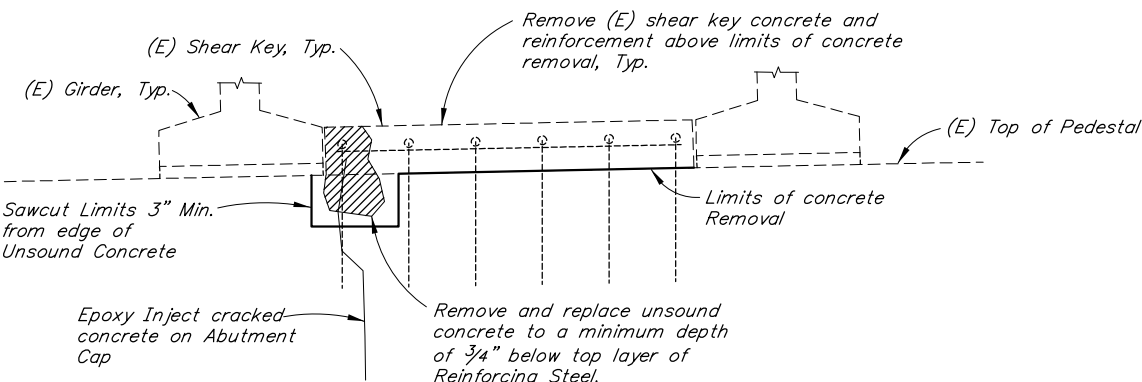
VIEW B-B



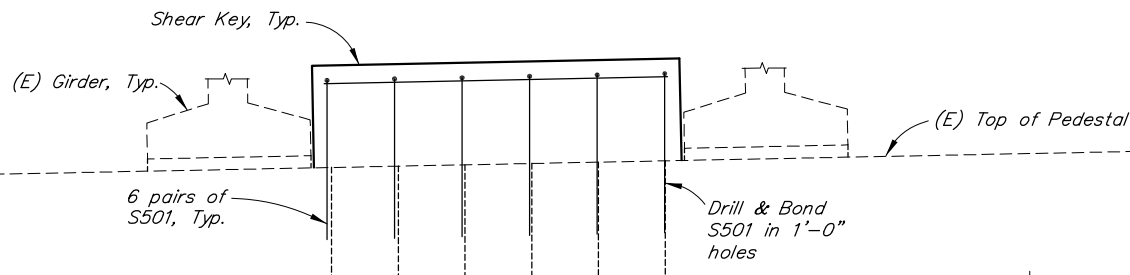
VIEW D-D



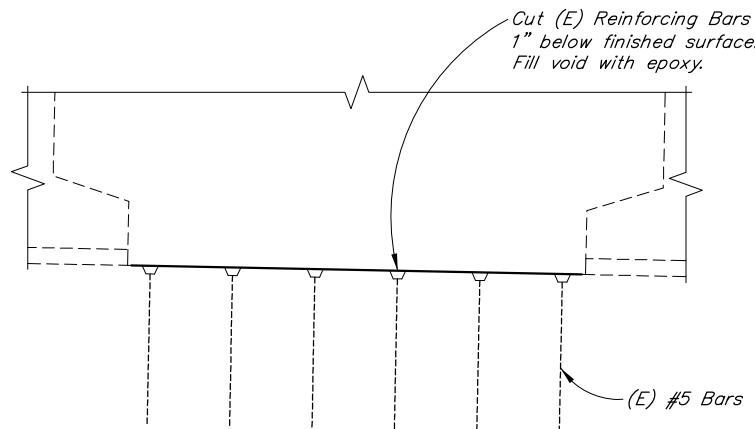
SECTION E-E



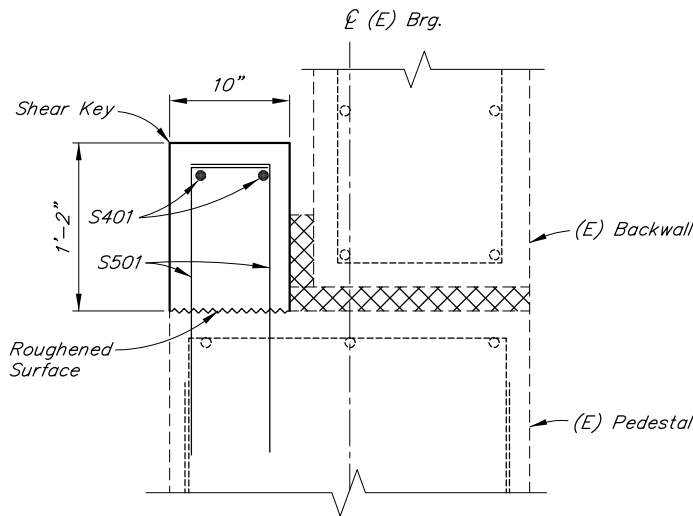
DETAIL A



DETAIL C



DETAIL G



SECTION F-F

NOTES:

- = Unsound Concrete
- (E) = Existing
- = Existing
- = Proposed

- Locations and sizes of unsound concrete and cracks are for illustration purposes only.

DESIGNED BY: Ben Still

CHECKED: Nick Murray

DRAW

QUAN

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

DEARMOUN OVERCROSSING
DEARMOUN ROAD
ABUTMENT DETAILS

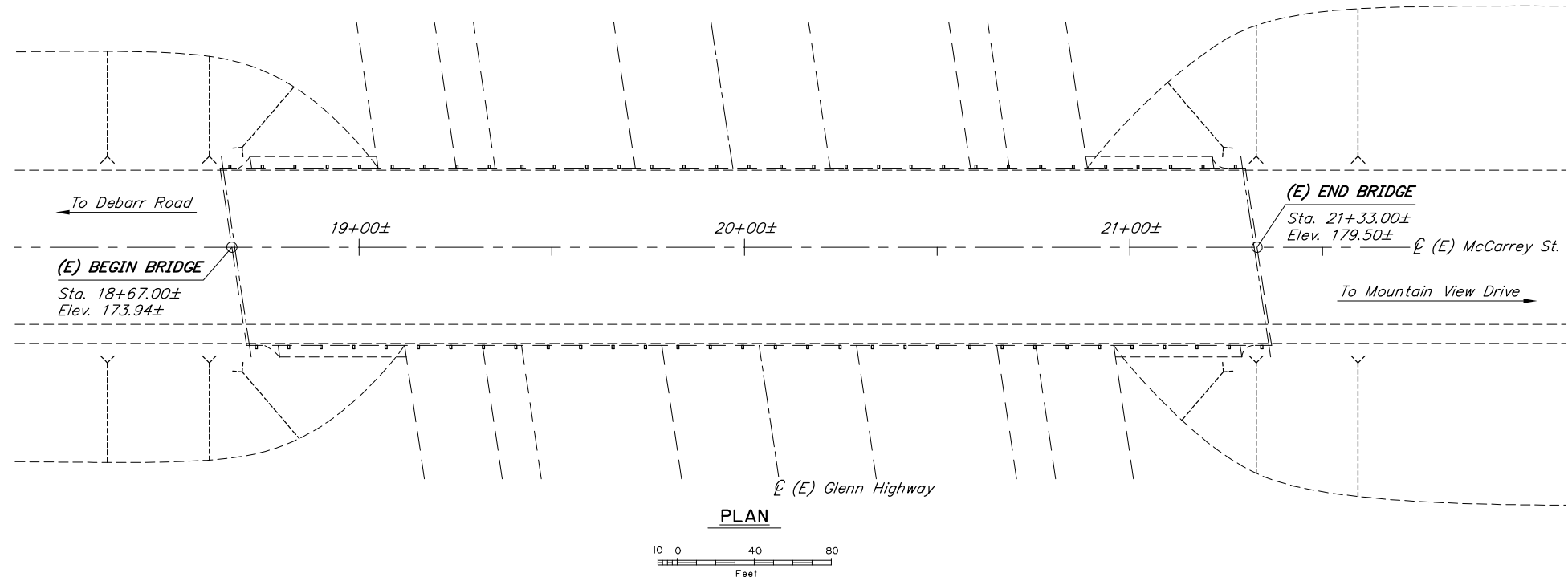
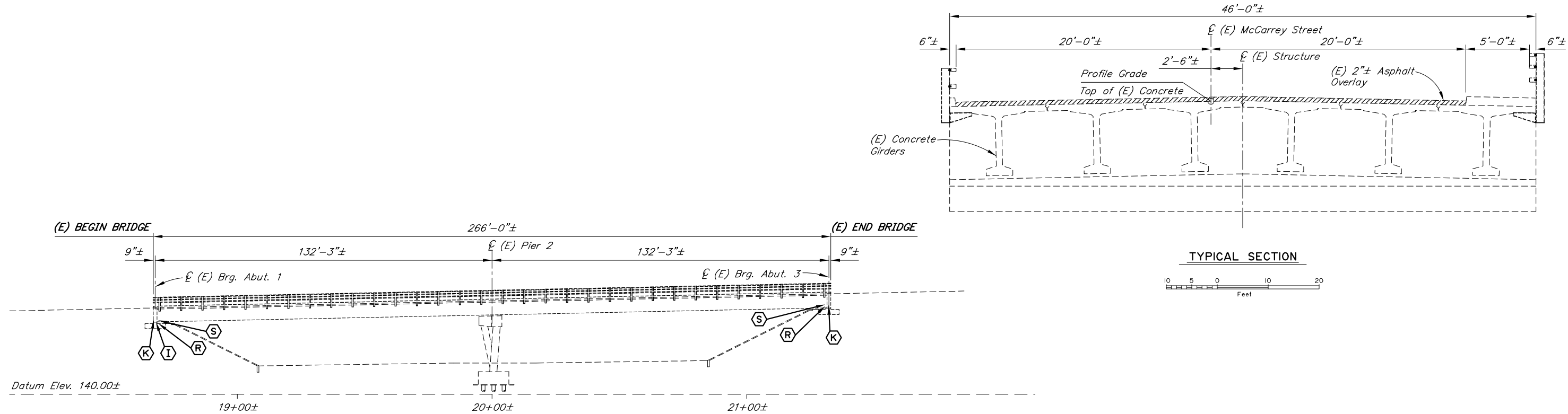


BRIDGE NO. 1391

DWG. NO. 5

R:\cad\Earthquake 2018 Bridges\1526-1526 - GENERAL LAYOUT Fri, Mar/20/20 4:33pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N57	N65



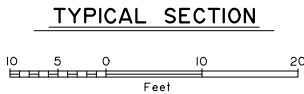
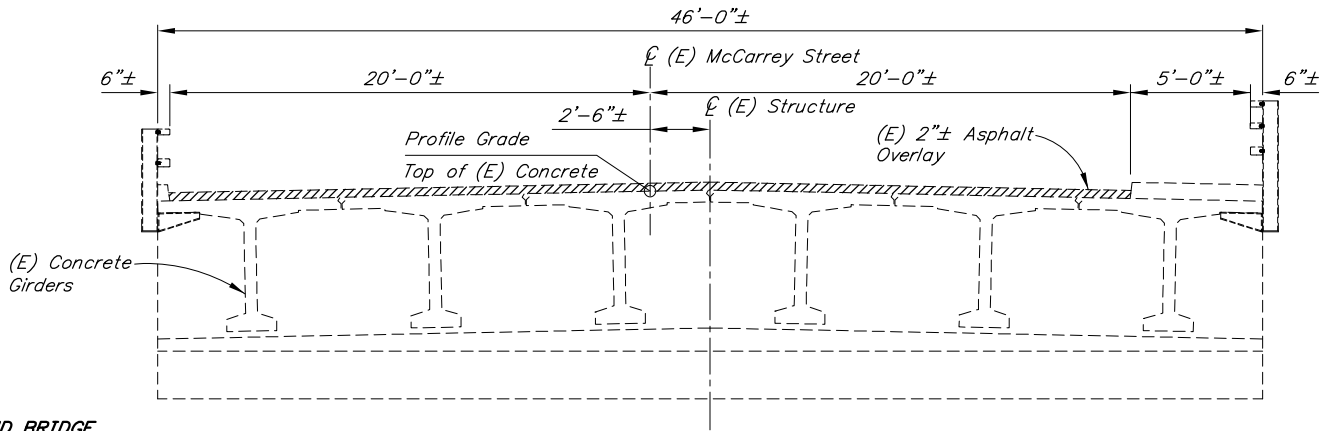
DESIGNED BY: Ben Still
CHECKED: Nick Murray
DRAWN BY: [blank]
QUANTITY: [blank]

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

McCARREY STREET OVERCROSSING
McCARREY STREET
GENERAL LAYOUT



BRIDGE NO. 1526
DWG. NO. 1



LEGEND	
(I)	Inject Cracks
(K)	Replace Shear Keys
(R)	Remove Shear Keys
(S)	Repair Spalls

NOTES:

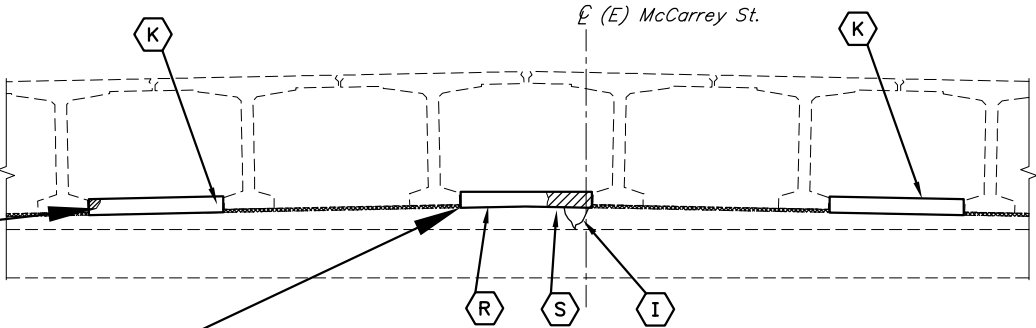
(E) = Existing
----- = Existing
----- = Proposed

Bridge stations and elevations are based on as-built drawings.

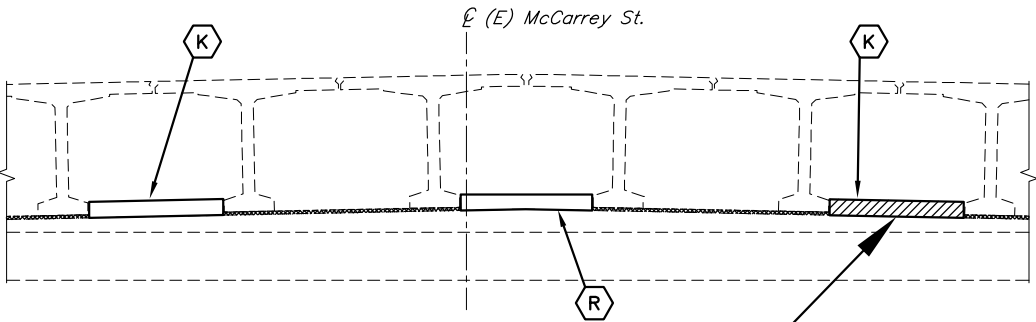
BRIDGE DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
DAMAGED LOCATIONS	2
ABUTMENTS	3
ABUTMENT DETAILS	4

R:\cad\Earthquake 2018 Bridges\1526-1526 - DAMAGE Fri, Mar/20/20 4:33pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N58	N65



ABUTMENT 1 ELEVATION
(Looking Back on Station)



ABUTMENT 3 ELEVATION

LEGEND	
	Inject Cracks
	Replace Shear Keys
	Remove Shear Keys
	Repair Spalls

NOTES:

- = Unsound Concrete
- (E) = Existing
- = Existing
- = Proposed

1. Locations and sizes of unsound concrete and cracks are for illustration purposes only.



ABUTMENT 1 BAY 5 SHEAR KEY



ABUTMENT 1 BAY 3 SHEAR KEY



ABUTMENT 3 BAY 5 SHEAR KEY

DESIGNED BY:	Ben Still	CHECKED:	Nick Murray
DRAWN BY:		APPROVED:	

QUANTITY
Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

McCARREY STREET OVERCROSSING
McCARREY STREET
DAMAGED LOCATIONS



BRIDGE NO. 1526
DWG. NO. 2

R:\cad\Earthquake 2018 Bridges\1526-1526 - ABUT 1 Fri, Mar/20/20 4:33pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N59	N65

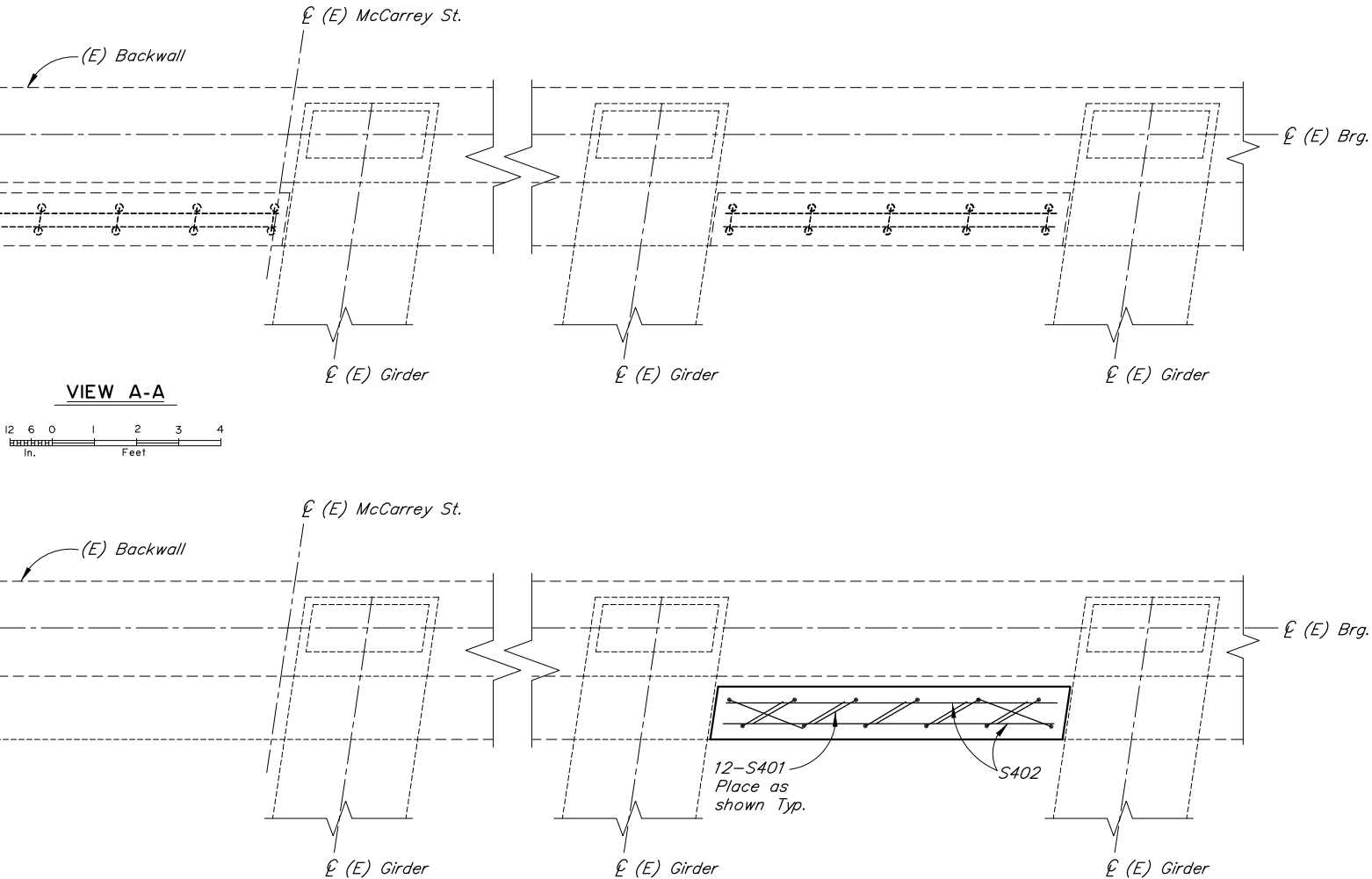
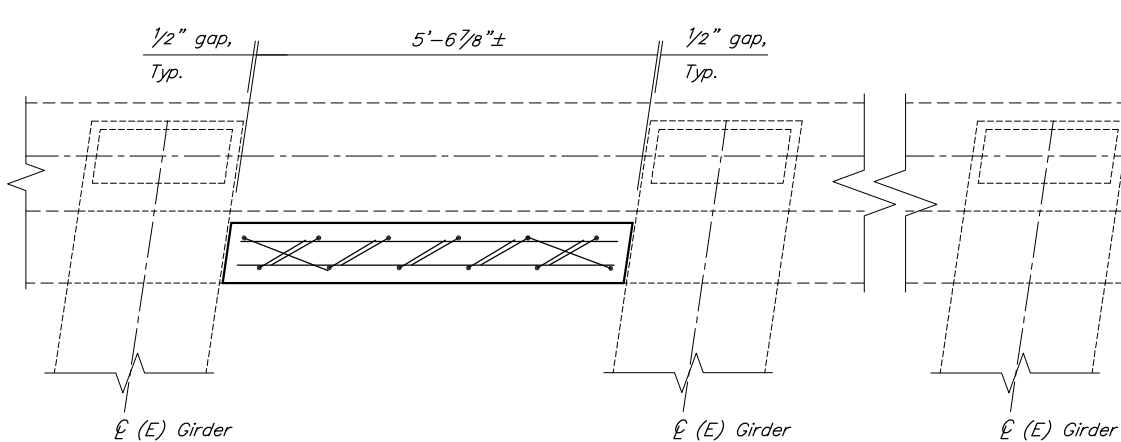
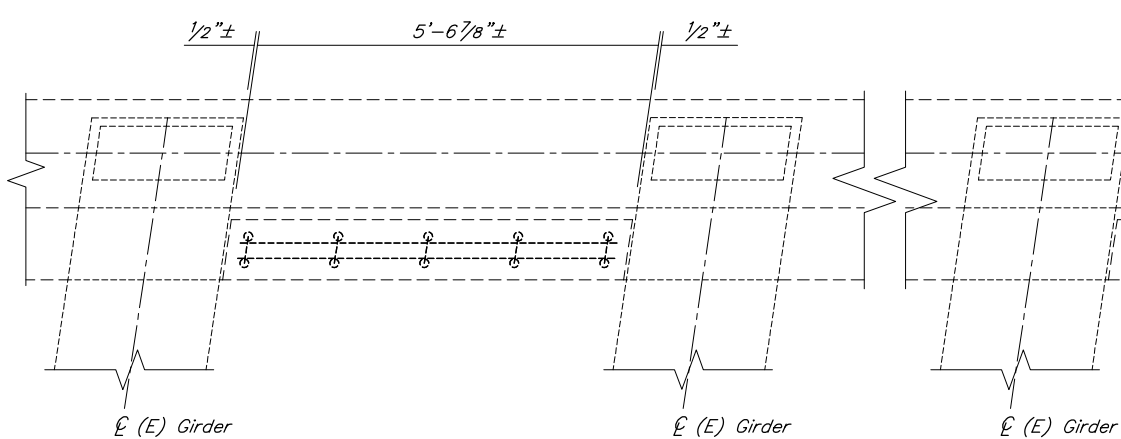
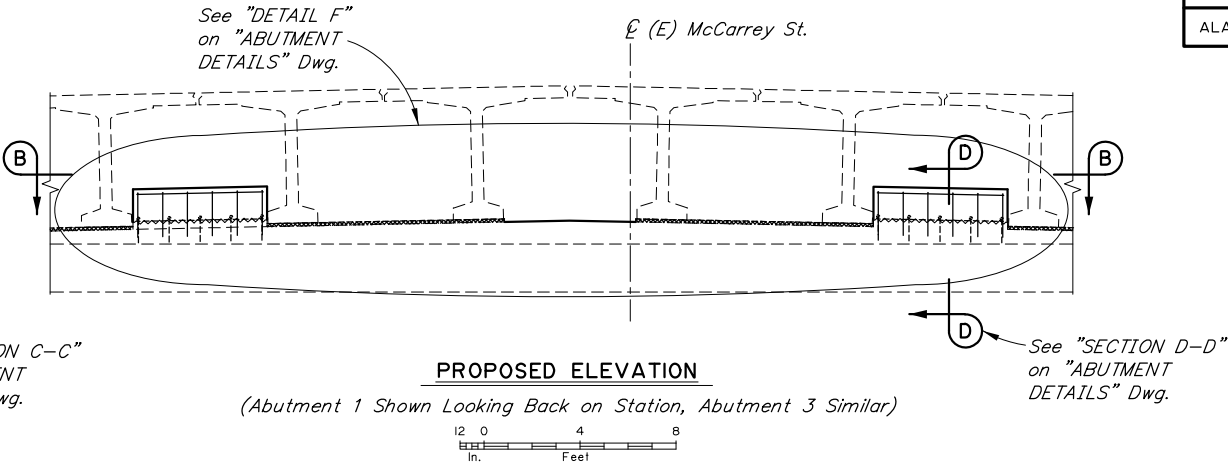
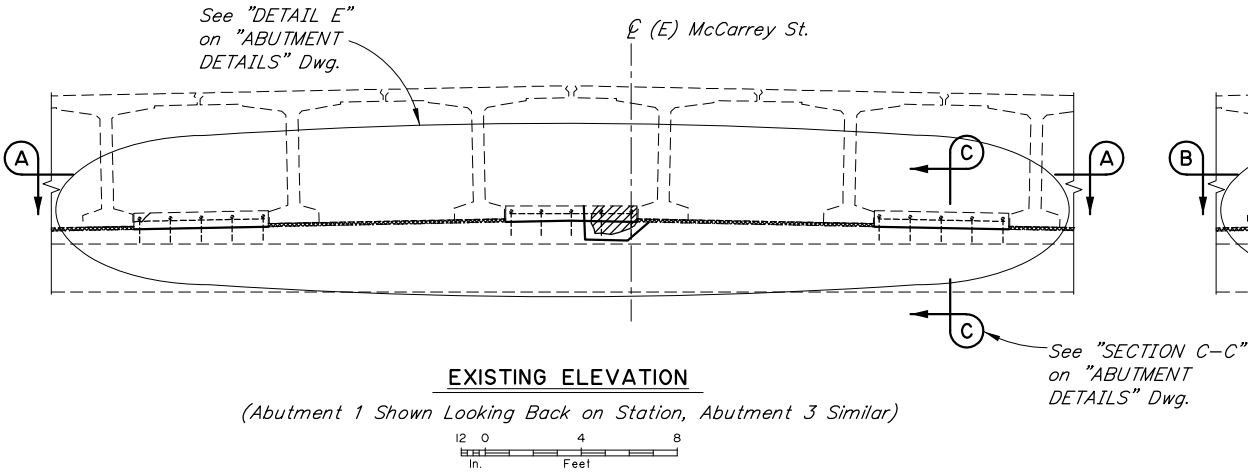
REINFORCING STEEL - ABUTMENTS

MARK	NOTE	SIZE	NO.	LENGTH	TYPE	BENDING DIAGRAM
S401		4	24	2'-7"	BENT	
S402		4	4	5'-7"	---	

g"

1'-10"

S501



NOTES:

-  = Unsound Concrete
- (E) = Existing
- = Existing
- = Proposed

1. Locations and sizes of unsound concrete and cracks are for illustration purposes only.

DESIGNED BY: Ben Still
CHECKED: Nick Murray
DRAWN BY: [blank]
QUANT: [blank]

Preliminary

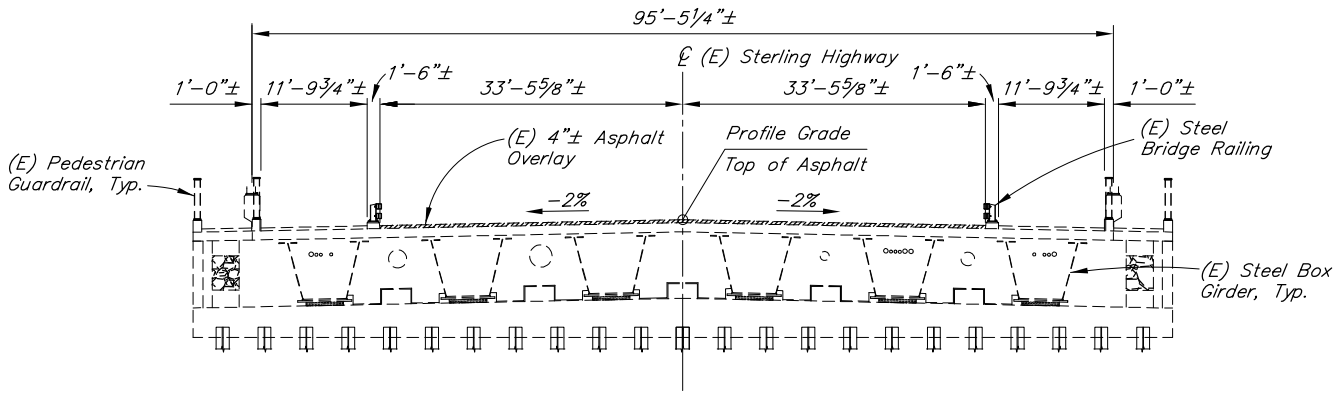
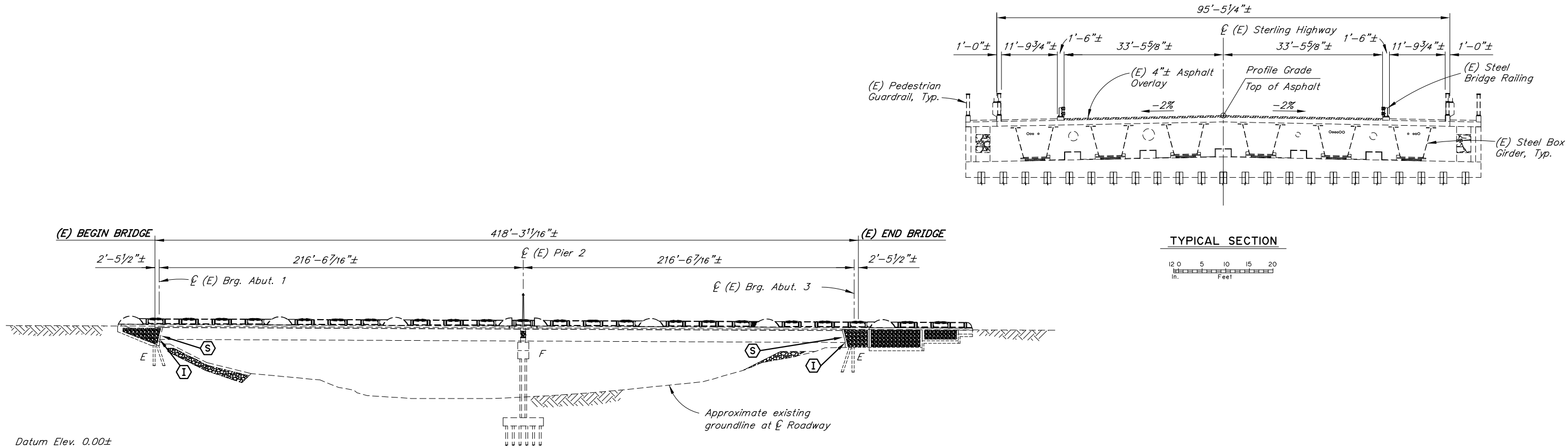
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

McCARREY STREET OVERCROSSING
McCARREY STREET
ABUTMENTS

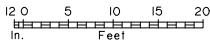


BRIDGE NO. 1526
DWG. NO. 3

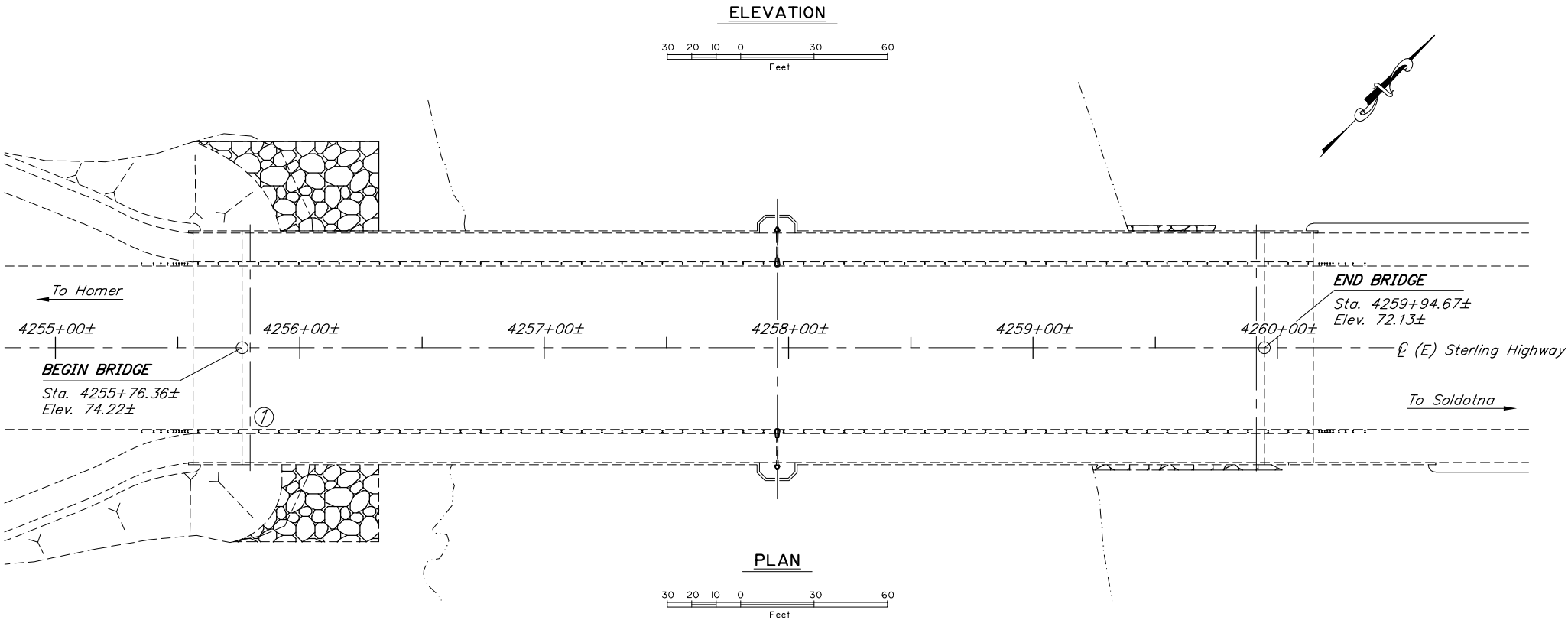
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N61	N65



TYPICAL SECTION



BRIDGE DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
ABUTMENT 1 DAMAGED LOCATIONS	2
ABUTMENT 3 DAMAGED LOCATIONS	3
ABUTMENT 1	4
ABUTMENT 3	5



LEGEND	
(I)	- Inject Cracks
(S)	- Repair Spalls

NOTES:

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

Bridge stations and elevations are based on as-built drawings.

DESIGNED BY: Ben Still
CHECKED: Nick Murray

DRAWN BY: [Blank]
QUANTITY: [Blank]

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

KENAI RIVER BRIDGE AT SOLDOTNA
STERLING HIGHWAY
GENERAL LAYOUT



BRIDGE NO. 671
DWG. NO. 1

R:\cad\Earthquake 2018 Bridges\671-GENERAL Fri, Mar/20/20 4:35pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N62	N65



ABUTMENT 1 BAY 1



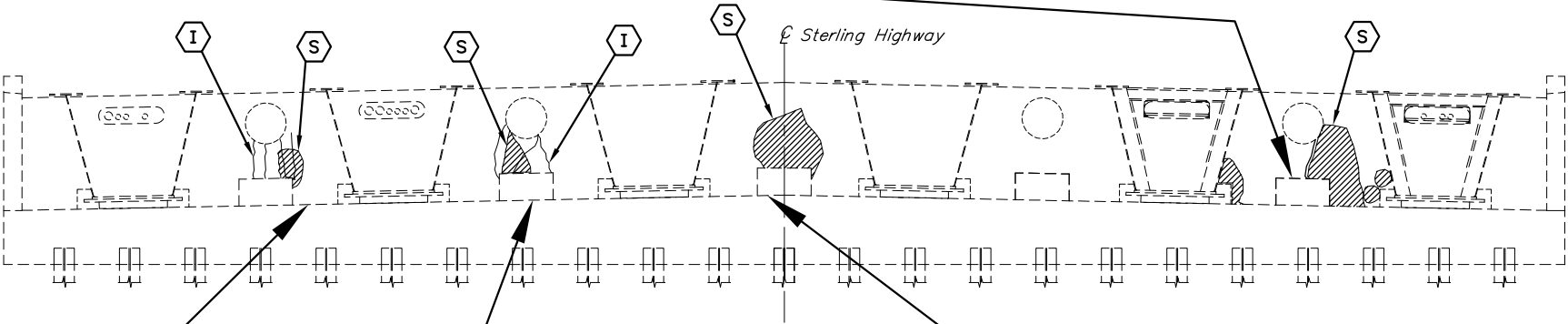
ABUTMENT 1 BAY 5



ABUTMENT 1 BAY 4



ABUTMENT 1 BAY 3



ABUTMENT 1 ELEVATION
(Looking Back on Station)
12 0 5 10
In. Feet

LEGEND	
(I)	- Inject Cracks
(S)	- Repair Spalls

- NOTES:**
- = Unsound Concrete
 - (E) = Existing
 - = Existing
 - = Proposed
 - 1. Locations and sizes of unsound concrete are for illustration purposes only.

DESIGNED BY:	Ben Still	CHECKED:	Nick Murray
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DRAWN BY:	Ben Still
QUANTITY:	

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

KENAI RIVER BRIDGE AT SOLDOTNA
STERLING HIGHWAY
ABUTMENT 1 DAMAGED LOCATIONS



BRIDGE NO. 671
DWG. NO. 2

R:\cad\Earthquake 2018 Bridges\671-ABUT LOCO Fri, Mar/20/20 4:35pm

R:\cad\Earthquake 2018 Bridges\671-ABUT LOCO (2) Fri, Mar/20/20 4:35pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N63	N65



ABUTMENT 3 BAY 1



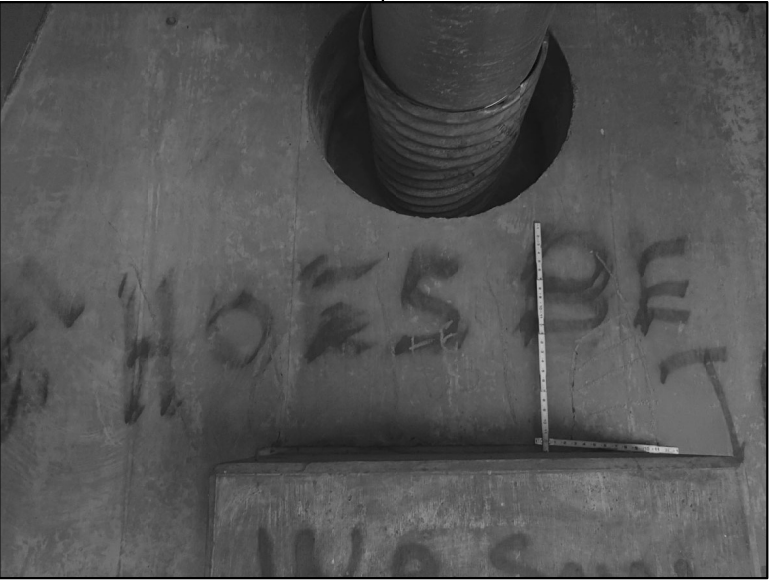
ABUTMENT 3 BAY 2



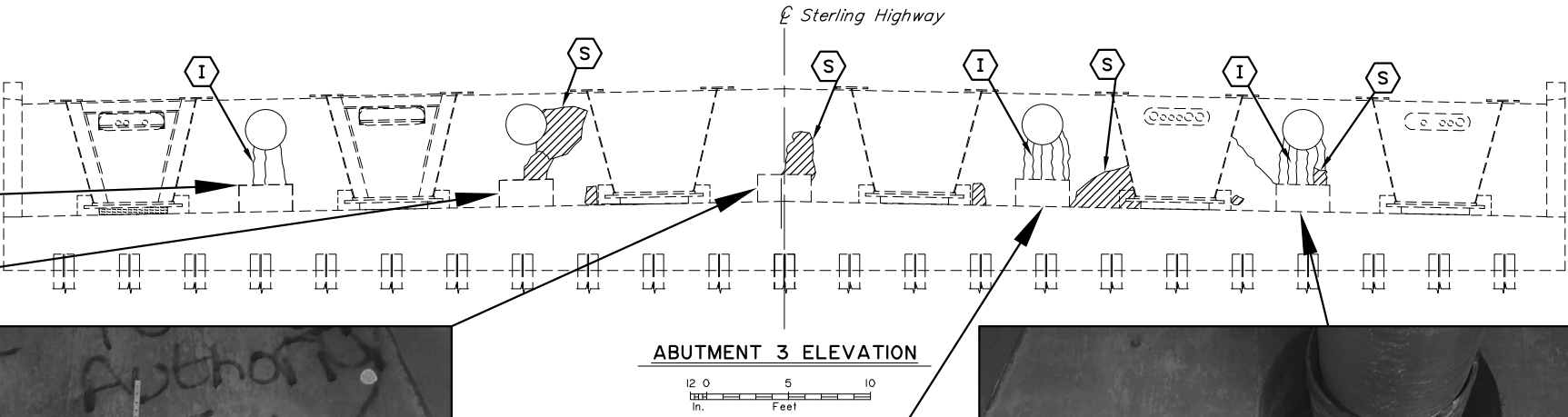
ABUTMENT 3 BAY 3



ABUTMENT 3 BAY 4



ABUTMENT 3 BAY 5



LEGEND
(I) - Inject Cracks
(S) - Repair Spalls

NOTES:
[Hatched Box] = Unsound Concrete
(E) = Existing
- - - - - = Existing
_ _ _ _ _ = Proposed

1. Locations and sizes of unsound concrete are for illustration purposes only.

DESIGNED BY:	Ben Still	CHECKED:	Nick Murray
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DRAWN BY:	Ben Still
QUANTITY:	

Preliminary

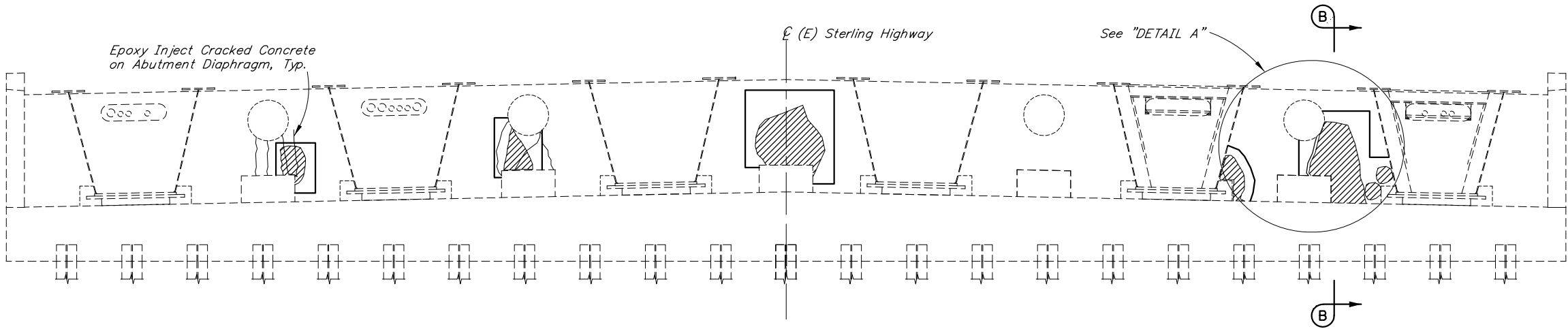
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

KENAI RIVER BRIDGE AT SOLDOTNA
STERLING HIGHWAY
ABUTMENT 3 DAMAGED LOCATIONS



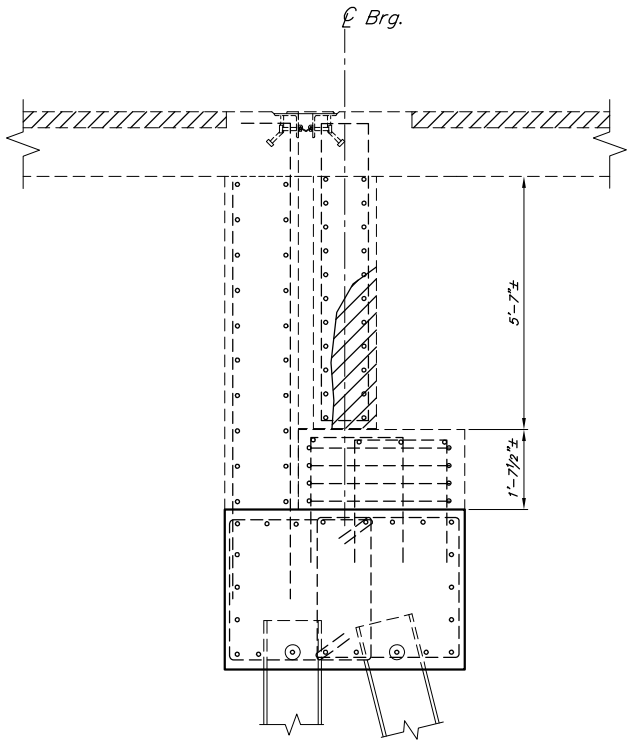
BRIDGE NO. 671
DWG. NO. 3

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N64	N65



ELEVATION
(Looking Back on Station)

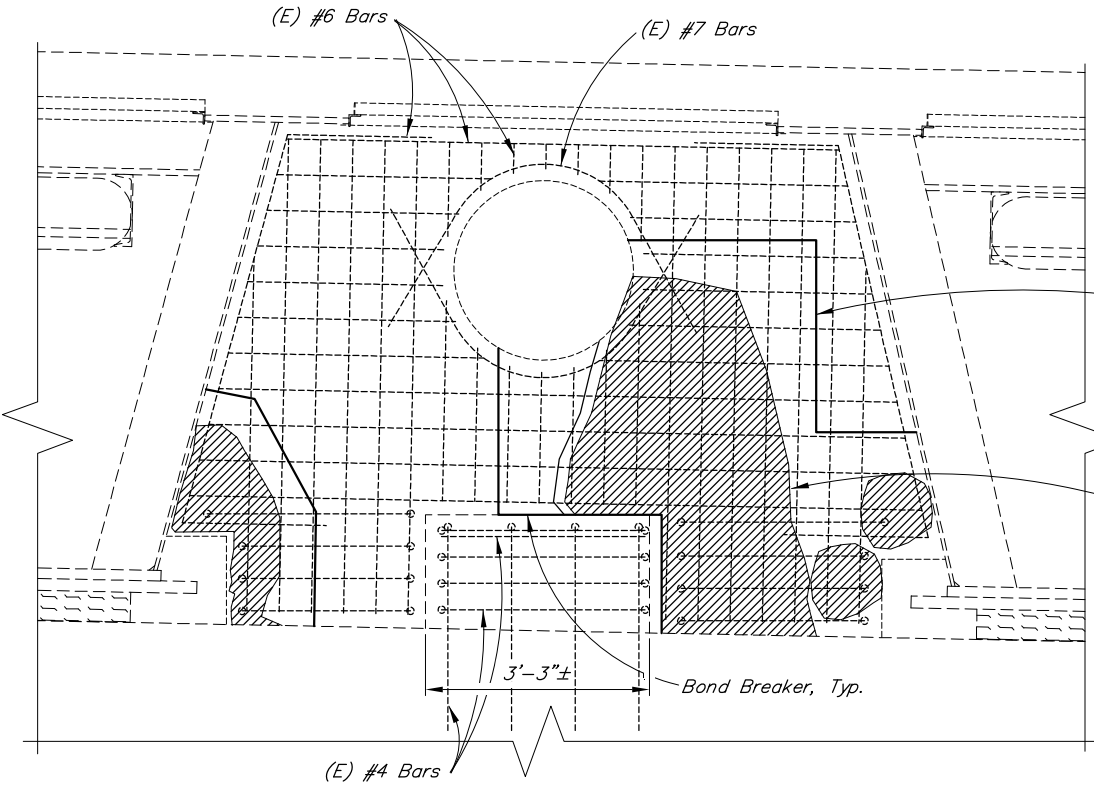
12 0 4 8
In. Feet



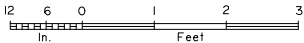
SECTION B-B

12 6 0 1 2 3 4
In. Feet

- NOTES:**
- = Unsound Concrete
 - (E) = Existing
 - = Existing
 - = Proposed
1. Locations and sizes of unsound concrete are for illustration purposes only.



DETAIL A



DESIGNED BY: Ben Still CHECKED: Nick Murray

DRAWN BY: [blank] APPROVED: [blank]

QUANTITY: [blank]

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

KENAI RIVER BRIDGE AT SOLDOTNA
STERLING HIGHWAY
ABUTMENT 1

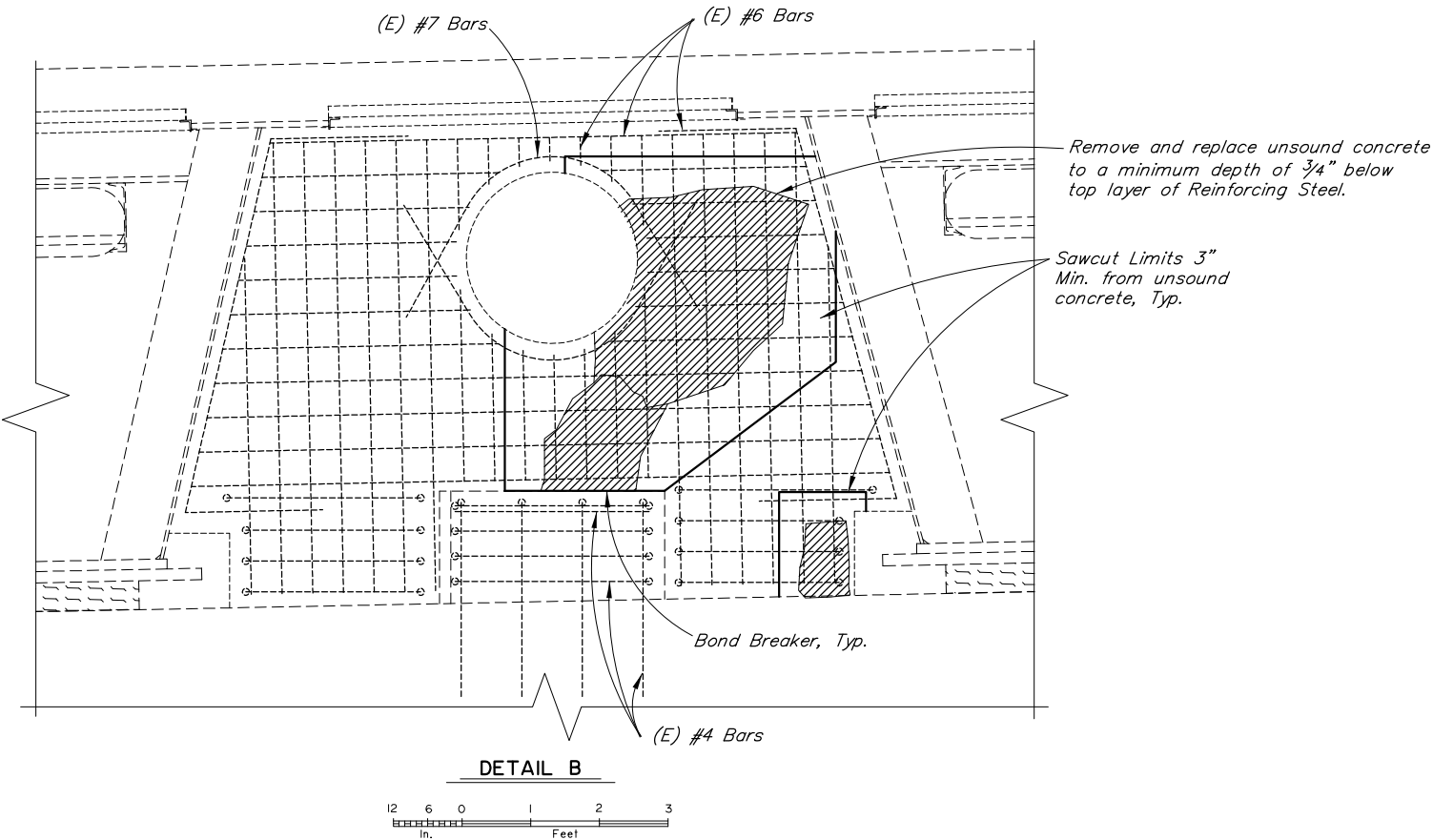
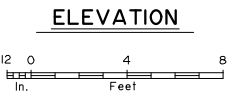
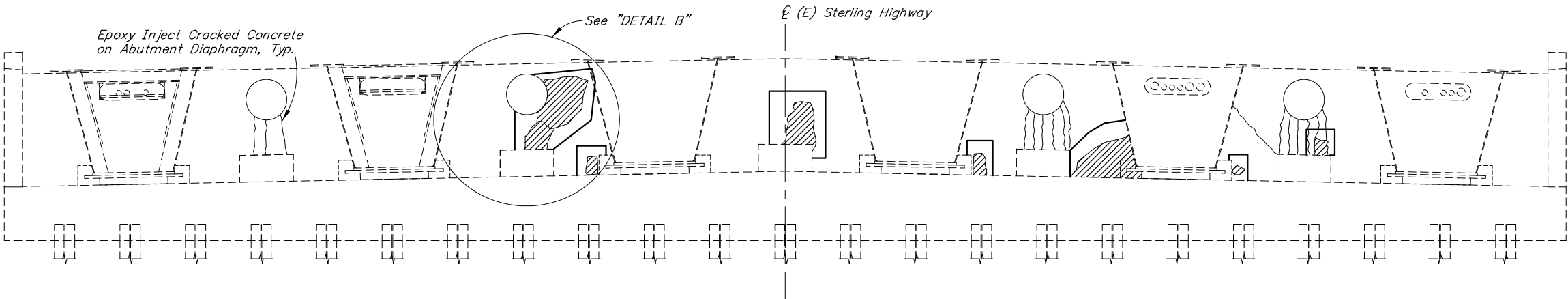


BRIDGE NO. 671
DWG. NO. 4

Preliminary

R:\cad\Earthquake 2018 Bridges\671-ABUTMENT 1 Fri, Mar/20/20 4:35pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0091010/CFHWY00607	2020	N65	N65



- NOTES:**
- = Unsound Concrete
 - (E) = Existing
 - = Existing
 - = Proposed
 - 1. Locations and sizes of unsound concrete are for illustration purposes only.

DESIGNED BY: Ben Still
CHECKED: Nick Murray
DRAWN BY: [blank]
QUANTITY: [blank]

Preliminary

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

KENAI RIVER BRIDGE AT SOLDOTNA
STERLING HIGHWAY
ABUTMENT 3



BRIDGE NO. 671
DWG. NO. 5

R:\cad\Earthquake 2018 Bridges\671-ABUTMENT 3 Fri, Mar/20/20 4:35pm