

PEDESTRIAN BRIDGE COOPERATIVE ACTION AGREEMENT

This PEDESTRIAN BRIDGE COOPERATIVE ACTION AGREEMENT (“Agreement”) is made and entered into this ____ day of _____, 2022 by and between the Idaho Transportation Department (“ITD”), and the City of Meridian, a municipal corporation organized under the laws of the State of Idaho (“City”) (collectively, “Parties”).

WHEREAS, the Parties are authorized by Idaho Code section 67-2328(b) to enter into this agreement for cooperative action;

WHEREAS, City holds an easement for a multi-use pathway on the north side of Five Mile Creek on the east side of McDermott Road;

WHEREAS, ITD is constructing local roadway improvements associated with the State Highway 16 project (Key Number 23408), which includes a multi-use pathway adjacent to and east of McDermott Road across Five Mile Creek (“Bridge”), at the location depicted in *Exhibit A*;

WHEREAS, ITD is obtaining a permanent easement for a pathway abutting the south side of the Bridge, utilizing the Ada County Highway District (“ACHD”) right-of-way for a portion of such pathway, through a cooperative agreement between ITD and ACHD, and connecting the Bridge to the existing pathway on the north side of the Bridge, as detailed in *Exhibit A*;

WHEREAS, by this Agreement, the Parties seek to establish the process by which the Bridge will be installed by ITD and conveyed to City;

NOW, THEREFORE, for and in consideration of the covenants, agreements and conditions hereinafter set forth, the parties mutually agree as follows:

I. ITD’S OBLIGATIONS

- A. ITD has provided to City a plan for design of the Bridge, as set forth in *Exhibit A* hereto, and City has approved such design as to concept.
- B. ITD shall, at ITD’s sole expense, obtain all necessary building permits, plan reviews, and inspections from the Meridian Community Development Department, Division of Building Services (“Building Services”) as may be necessary to construct and install the Bridge, and shall fulfill all requirements of Building Services and of all applicable codes and laws.
- C. ITD shall, at ITD’s sole expense, negotiate and enter into a license agreement with the Nampa & Meridian Irrigation District allowing ITD to construct the Bridge within the District’s easement, at the location depicted in *Exhibit A*. ITD shall provide a copy of such license agreement to City.

- D. ITD shall, construct the Bridge, at ITD's sole expense, at the location and in accordance with the plans set forth in *Exhibit A*, with any and all modifications as may be required by Building Services. It is anticipated that the Bridge will be constructed and installed by December 31, 2024.
- E. Following construction and installation of the Bridge, in accordance with the plans attached hereto as *Exhibit A*, ITD shall notify City, in writing, of ITD's Final Completion of the Bridge.

II. CITY'S OBLIGATIONS

- A. Pursuant to the December 19, 2000 Master Pathway Agreement for Developing and Maintaining Pathways between City and the Nampa & Meridian Irrigation District, City shall obtain from the Nampa & Meridian Irrigation District a license agreement allowing City to operate and maintain the Bridge during and after its construction.
- B. Following ITD's fulfillment of all aspects of Final Completion as set forth in section I.E., above, City shall execute Final Acceptance of the Bridge, which shall be signified by adoption of a resolution indicating Meridian City Council's acceptance of the delivery of the Bridge as constructed and installed.
- C. Upon Final Acceptance of the Bridge as set forth in section II.B., above, City shall assume ownership and responsibility for operation, maintenance, and repair of the Bridge.

IV. GENERAL PROVISIONS

- A. **Day-to-day contacts.** The following persons shall serve as the primary contact persons for ITD and City, respectively, for all day-to-day matters regarding design, construction, installation, Final Completion, and Final Acceptance of the Bridge. Communication between City Contact and ITD Contact shall occur via e-mail or telephone.

ITD Contact:

Alan Buehrig
alan.buehrig@itd.idaho.gov
(208) 334-8352

City Contact:

Mike Barton
mbarton@meridiancity.org
208-884-5533

- B. **Notice.** All other notices required to be given by either of the parties hereto shall be in writing and be deemed communicated when personally served, or mailed in the United States mail, addressed as follows:

ITD:

Idaho Transportation Department
Attn: D3 Engineer
8150 W. Chinden Blvd.
Boise, ID 83714

City:

Meridian City Clerk
33 E. Broadway Avenue
Meridian ID 83642

- C. Compliance with laws.** In performing the scope of services required hereunder, ITD shall comply with all applicable laws, ordinances, and codes of Federal, State, and local governments.
- D. Assignment.** Neither party shall assign or sublet all or any portion of its respective interest in this Agreement or any privilege or right hereunder, either voluntarily or involuntarily, without the prior written consent of the other party. This Agreement and each and all of the terms and conditions hereof shall apply to and are binding upon the respective organizations, legal representatives, successors, and assigns of the Parties.
- E. No agency.** For purposes of or in furtherance of this Agreement, neither party nor its respective employees, agents, contractors, officials, officers, servants, guests, and/or invitees shall be considered agents of the other in any manner or for any purpose whatsoever.
- F. Time of the essence.** The parties shall fulfill obligations described in this Agreement in a timely manner, as set forth herein. The parties acknowledge and agree that time is strictly of the essence with respect to this Agreement, and that the failure to timely perform any of the obligations hereunder shall constitute a default of this Agreement.
- G. Termination.**
1. **Grounds.** Grounds for termination of this Agreement shall include, but shall not be limited to: an act or omission by either party which materially breaches any term of this Agreement; an act of nature or other unforeseeable event which precludes or makes impossible the performance of the terms of this Agreement by either party; or a change in or occurrence of circumstances that renders the performance by either party a detriment to the public health, safety, or welfare.
 2. **Process.** Either party may terminate this Agreement by providing thirty (30) days' notice of intention to terminate. Such notice shall include a description of the breach or circumstances providing grounds for termination. A thirty (30) day cure period shall commence upon provision of the notice of intention to terminate. During this period, the Parties shall meet and confer and enter into a separate written termination agreement to dispose of any real property or improvements subject to this Agreement. If, upon the expiration of such cure period, cure of the breach or circumstances providing grounds for termination has not occurred, this Agreement may be terminated upon mailing of notice of termination.
- H. Construction and severability.** If any part of this Agreement is held to be invalid or unenforceable, such holding will not affect the validity or enforceability of any other part of this Agreement so long as the remainder of the Agreement is reasonably capable of completion.
- I. Non-waiver.** Failure of either party to promptly enforce the strict performance of any term of this Agreement shall not constitute a waiver or relinquishment of any party's right to thereafter enforce such term, and any right or remedy hereunder may be asserted at any time

after the governing body of either party becomes entitled to the benefit thereof, notwithstanding delay in enforcement.

J. Exhibits. All exhibits to this Agreement are incorporated by reference and made a part of hereof as if the exhibits were set forth in their entirety herein.

K. Approval required. This Agreement shall not become effective or binding until approved by the respective governing bodies of both Parties. The parties signatory hereto represent and warrant that each is duly authorized to bind, respectively, City and ITD to this Agreement in all respects.

L. Entire Agreement. This Agreement contains the entire agreement of the parties and supersedes any and all other agreements or understandings, oral or written, whether previous to the execution hereof or contemporaneous herewith.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the Effective Date first written above.

IDAHO TRANSPORTATION DEPARTMENT:

By: **J. Caleb Lakey**
J. Caleb Lakey, District Engineer

Digitally signed by J. Caleb Lakey
DN: C=US, E="caleb.lakey@itd.idaho.gov", O=Idaho
Transportation Department, OU=District 3, CN=J. Caleb Lakey
Location: District 3, ITD
Reason: I am approving this document
Contact Info: District Administrator
Date: 2022.10.17 10:07:55-06'00'

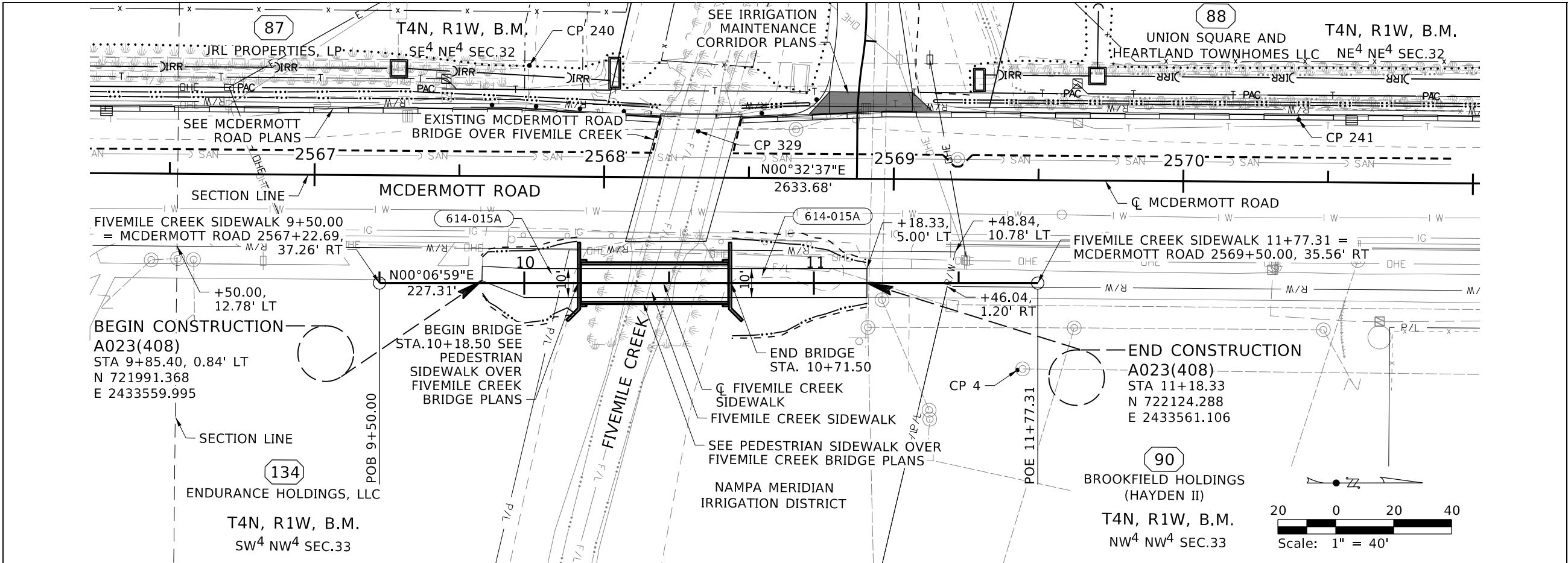
CITY OF MERIDIAN:

Attest:

BY: _____
Robert E. Simison, Mayor

Chris Johnson, City Clerk

April 05, 2022 12:56:12 AM
pwr:///itd-pw-bentley.com/itd-pw-01/Documents/District_3/Projects/prj20788North/Project_Development/Plan_Sheets/Package_1 - DE/A/20788_plpr_D187.dgn

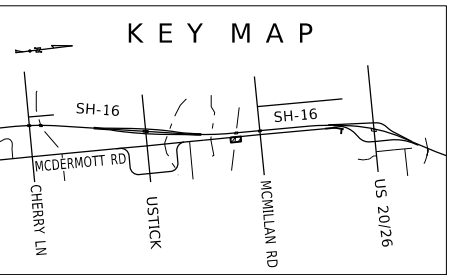
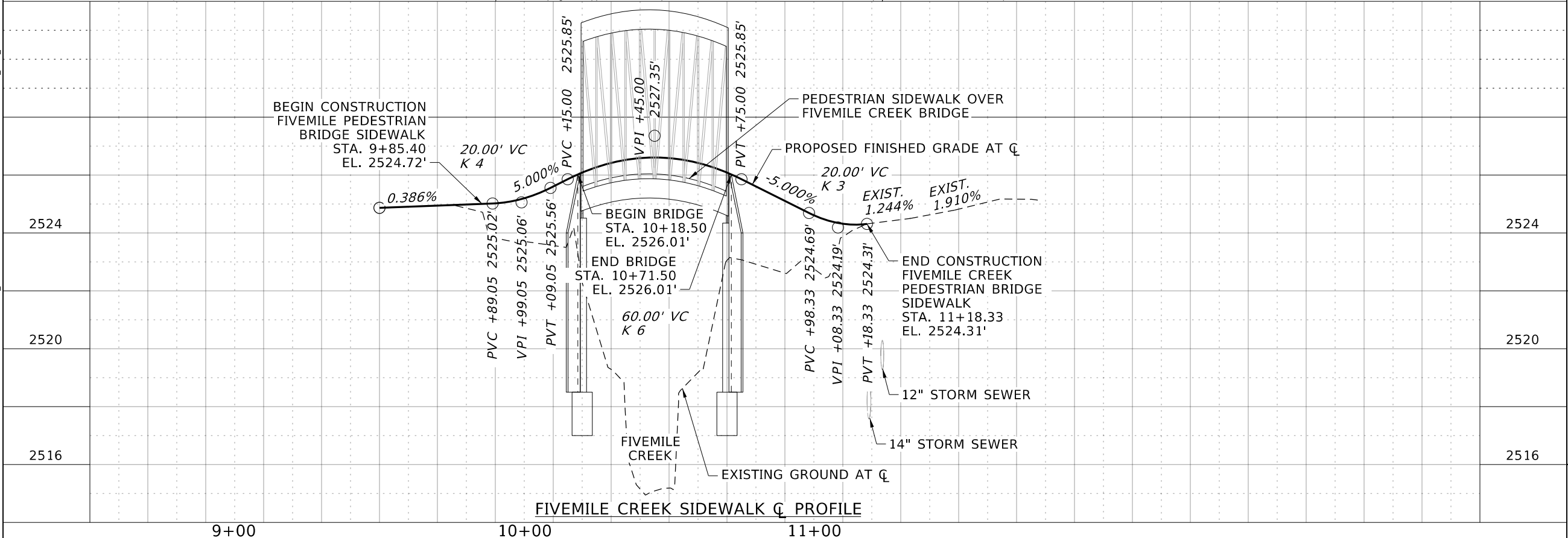


614-015A
33 SY
52 SY

SIDEWALK
STA 9+85.53, 0.84' LT TO
STA 10+18.50, 0.00' RT
STA 10+71.50, 0.00' RT TO
STA 11+18.33, 0.00' RT

EXHIBIT A

- NOTES**
1. REFER TO DRAINAGE PLANS FOR DRAINAGE FACILITIES.
 2. REFER TO IRRIGATION PLANS FOR PROPOSED DITCHES, CANALS, AND OTHER IRRIGATION FACILITIES.
 3. REFER TO UTILITY PLANS FOR EXISTING AND PROPOSED UTILITIES.
 4. ALL DIMENSIONS ARE TO FACE OF CURB OR EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.
 5. REFER TO SH-16 MAINLINE REMOVAL PLANS FOR REMOVALS ALONG MCDERMOTT ROAD THIS SHEET.



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	B. STARK
DESIGN CHECKED	D. WITTHAUS
DETAILED	J. GRAVES
DRAWING CHECKED	D. WITTHAUS

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20788_plpr_D187.dgn
DRAWING DATE: APRIL 2022

IDAHO
TRANSPORTATION
DEPARTMENT

YOUR Safety→YOUR Mobility→YOUR Economic Opportunity

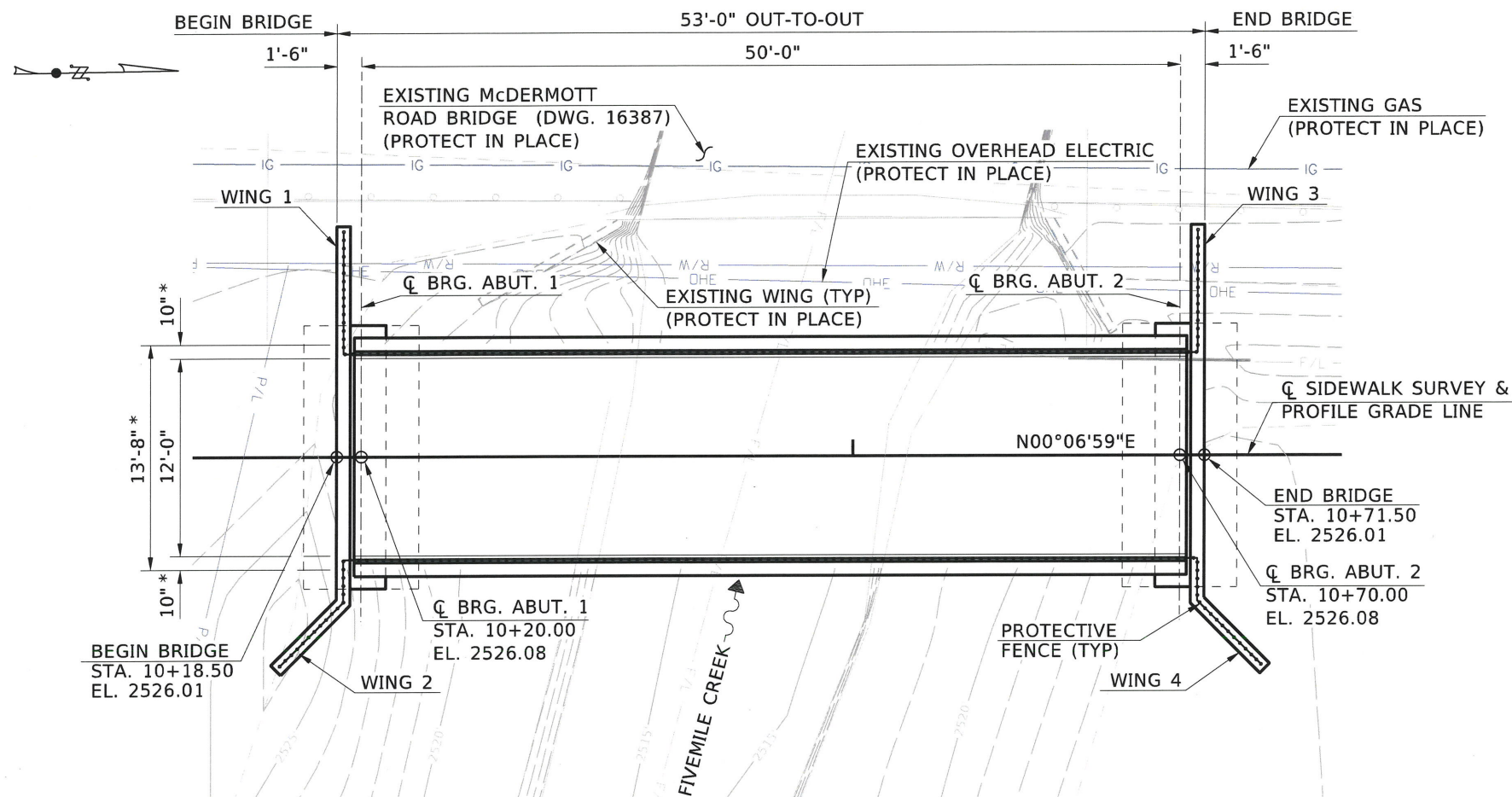
DAVID EVANS
AND ASSOCIATES INC.

PROJECT NO.
A023(408)

ROADWAY PLAN SHEET
SH-16, USTICK RD TO US-20/26
ADA AND CANYON COUNTY
FIVEMILE CREEK SIDEWALK
STA. 9+50.00 TO STA. 11+77.31

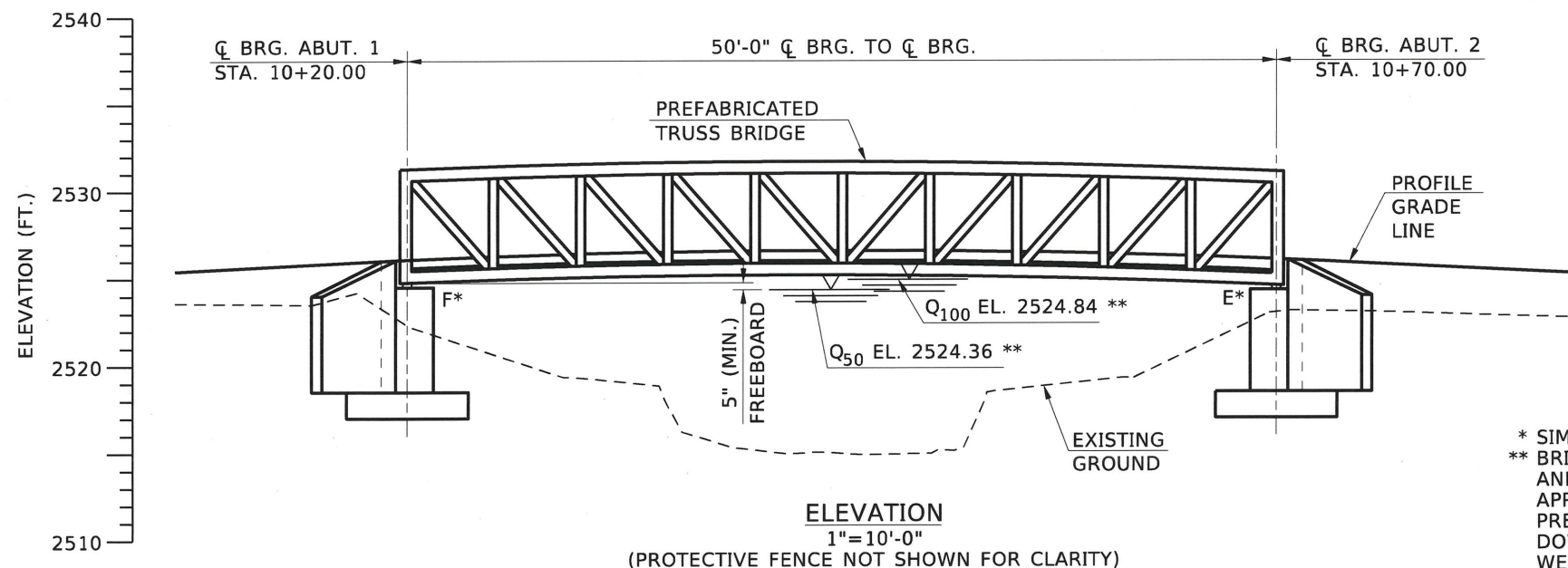
ENGLISH
COUNTY ADA & CANYON
KEY NUMBER 23408
SHEET 250 OF 762

PROFESSIONAL ENGINEER
REGISTERED
8145
4/5/22
DAVID L. WITTHAUS
STATE OF IDAHO



PLAN
1"=10'-0"

* TO BE DETERMINED BY PREFABRICATED BRIDGE MANUFACTURER. SHOWN FOR ESTIMATING PURPOSES ONLY.

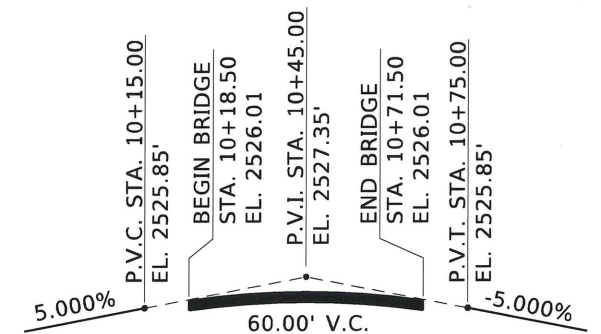


ELEVATION
1"=10'-0"

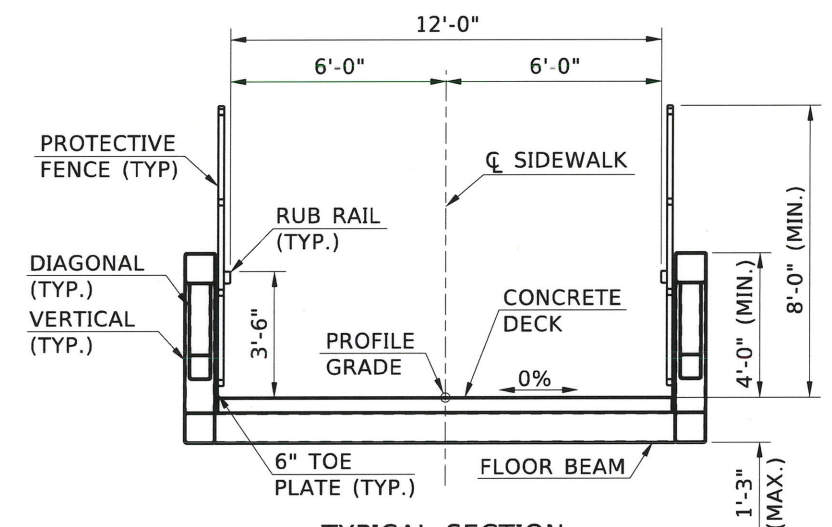
(PROTECTIVE FENCE NOT SHOWN FOR CLARITY)

HYDRAULIC DATA

FLOOD	DISCHARGE	H.W. ELEVATION	VELOCITY
DESIGN (Q ₅₀)	1,012 cfs	2524.36	3.78 fps
BASE (Q ₁₀₀)	1,215 cfs	2524.84	4.19 fps
SCOUR (Q ₅₀₀)	1,897 cfs	2525.15	6.41 fps



PROFILE DATA
N.T.S.



TYPICAL SECTION
3/16"=1'-0"

* SIMPLE SPAN PEDESTRIAN BRIDGE. SEE SPECIAL PROVISIONS.
** BRIDGE IS NOT ON THE STATE OF IDAHO HIGHWAY SYSTEM AND ITS HYDRAULIC CLEARANCE REQUIREMENTS DO NOT APPLY. WATER SURFACE ELEVATIONS ARE CONTROLLED BY PRESSURE FLOW CAUSED BY THE McDERMOTT ROAD BRIDGE DOWNSTREAM. THE ELEVATIONS AND PROFILE OF THIS BRIDGE WERE SET SO THAT THE BOTTOM CHORD CLEARS THE Q50 AND THE LOW CHORD IS SET AT THE Q100 ELEVATION.

NO.	DATE	BY	DESCRIPTION
1			
2			
3			
4			
5			

DESIGNED C. DAVIS
DESIGN CHECKED K. FOX
DETAILED D. FOSTER
DWG. CHECKED R. BOGGAN
CORRECTIONS

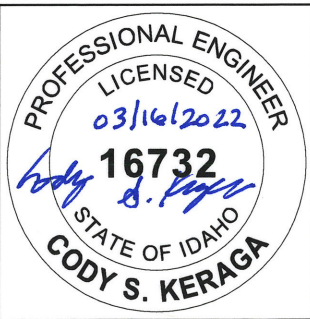
SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
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DRAWING DATE: NOVEMBER 2021

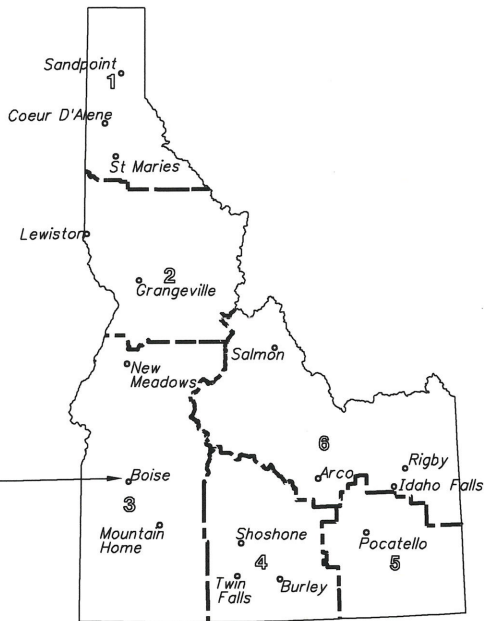
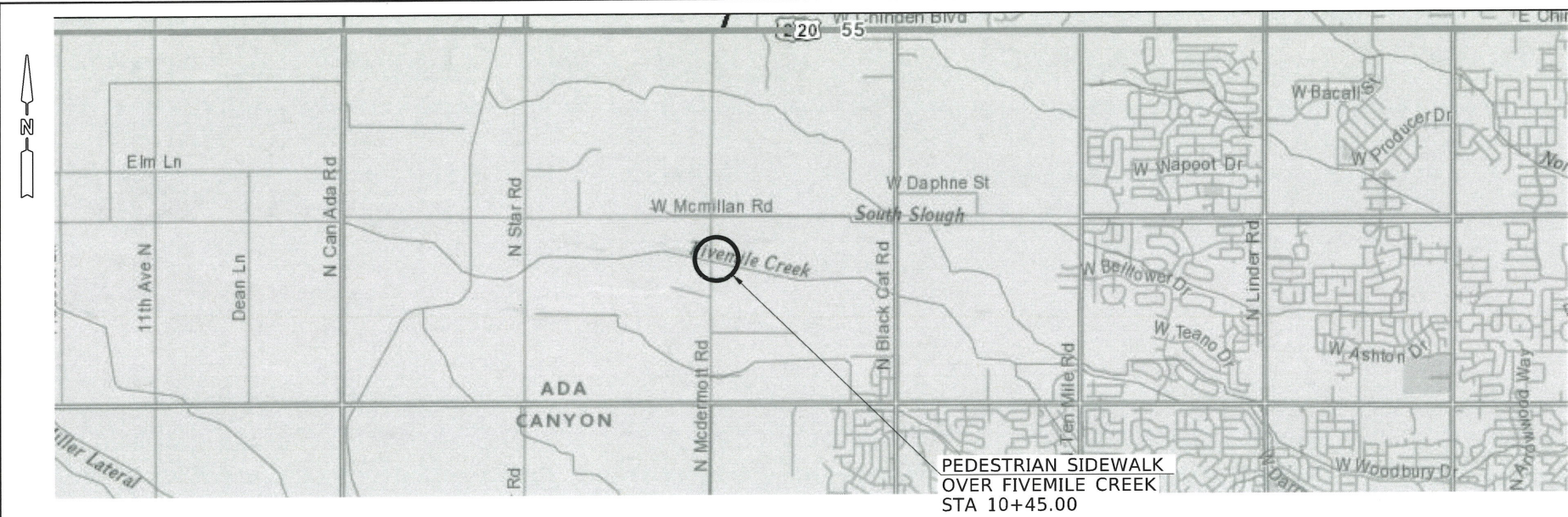
IDAHO TRANSPORTATION DEPARTMENT
YOUR Safety→YOUR Mobility→YOUR Economic Opportunity
DAVID EVANS AND ASSOCIATES INC.

ENGLISH PROJECT NO. A023(408)

SITUATION AND LAYOUT 53' PREFABRICATED STEEL TRUSS BRIDGE PEDESTRIAN SIDEWALK OVER FIVEMILE CREEK STA. 10+45.00
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BRIDGE PLANS BRIDGE KEY NO. N/A
COUNTY ADA
BRIDGE DWG. NO. 18090
KEY NO. 23408
SHEET 1 OF 9





A023(408)
SH-16, USTICK RD TO US-20/26
ADA AND CANYON COUNTIES,
SH-16 MP 95.86 TO MP 98.38
SEGMENT CODE 001390

SHEET INDEX

SITUATION AND LAYOUT	1
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QUANTITIES

210-005A	STR EXCAVATION SCH NO. 1	110 CY
210-015A	COMPACTING BACKFILL	77 CY
502-140A	CONC CL 40-A SCH NO. 1	41 CY
503-010A	METAL REINF SCH NO. 1	3,883 LB
503-020A	EPOXY COATED METAL REINF	361 LB
S501-25A	SP BRIDGE PRE-ENGINEERED METAL PEDESTRIAN BRIDGE	1 LS

REVISIONS			
NO.	DATE	BY	DESCRIPTION
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DESIGNED C. DAVIS
DESIGN CHECKED K. FOX
DETAILED D. FOSTER
DWG. CHECKED R. BOGGAN
CORRECTIONS

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20788_bripd_D102.dgn
DRAWING DATE: NOVEMBER 2021

IDAHO
TRANSPORTATION
DEPARTMENT

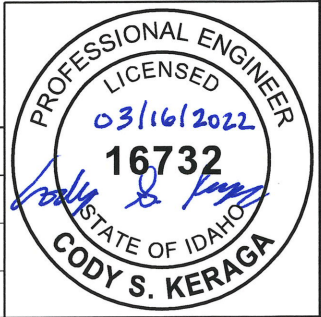
YOUR Safety—YOUR Mobility—YOUR Economic Opportunity

DAVID EVANS
AND ASSOCIATES INC.

ENGLISH
PROJECT NO.
A023(408)

SHEET INDEX, QUANTITIES, & VICINITY MAP
53' PREFABRICATED STEEL TRUSS BRIDGE PEDESTRIAN SIDEWALK OVER FIVEMILE CREEK STA. 10+45.00

BRIDGE PLANS	
BRIDGE KEY NO. N/A	KEY NO. 23408
COUNTY ADA	SHEET 2 OF 9
BRIDGE DWG. NO. 18090	



DESIGN NOTES

DESIGN SPECIFICATIONS

PREFABRICATED BRIDGE IN ACCORDANCE WITH: AASHTO "LRFD GUIDE SPECIFICATIONS FOR DESIGN OF PEDESTRIAN BRIDGE" 2ND EDITION WITH INTERIMS, "AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS" 9TH EDITION, AND AASHTO/AWS "STRUCTURAL WELDING CODE D1.5.
ABUTMENTS IN ACCORDANCE WITH : "AASHTO LRFD BRIDGE DESIGN SPECIFICATION" 9th EDITION.

DESIGN PROCEDURES

THE FOLLOWING PROPRIETARY COMPUTER SOFTWARE PROGRAMS WERE USED TO FACILITATE THE STRUCTURAL ANALYSIS:

NAME	VERSION	RELEASE DATE	NAME	VERSION	RELEASE DATE
MS EXCEL	2016	2016			
MATHCAD	15.0	2017			

DESIGN LOADS

PERMANENT LOADS		
DC	UNIT WEIGHT OF REINFORCED CONCRETE	0.150 kcf
	UNIT WEIGHT OF STRUCTURAL STEEL	0.490 kcf
DW	INITIAL WEARING SURFACE	0.000 ksf
	FUTURE WEARING SURFACE	0.000 ksf
	UTILITIES	0.000 klf
	FUTURE UTILITIES	0.050 klf
EV	UNIT WEIGHT OF SOIL	0.130 kcf
EH	ACTIVE PRESSURE	0.034 kcf
	AT REST PRESSURE	0.057 kcf
TRANSIENT LOADS		
LL	H10	
PL	PEDESTRIAN LOAD	0.090 ksf
LS	LIVE LOAD SURCHARGE AT ABUTMENT	2.0 feet
TU	UNIFORM TEMPERATURE RANGE	-30° F TO 120° F
	BASE SETTING TEMPERATURE	60° F
EXTREME EVENT LOADS		
EQ	SITE CLASS	D
	ACCELERATION COEFFICIENT S_{D1}	0.16 g
	SEISMIC PERFORMANCE ZONE	2

SPREAD FOOTING DESIGN LOADS

STRENGTH LIMIT STATE

NOMINAL BEARING RESISTANCE $q_n = 14.6$ ksf
EFFECTIVE FOOTING WIDTH $B' = 5.5$ ft
EFFECTIVE FOOTING LENGTH $L' = 16.0$ ft
RESISTANCE FACTOR $\phi_b = 0.45$
FACTORED BEARING RESISTANCE $q_R = q_n \phi_b = 6.6$ ksf
FACTORED APPLIED LOAD $\gamma Q/(B'L') = 3.0$ ksf
SLIDING
NOMINAL SLIDING RESISTANCE $R_n = 100$ kips
RESISTANCE FACTOR $\phi = 0.90$
FACTORED SLIDING RESISTANCE $R_R = R_n \phi = 90$ kips
FACTORED APPLIED LOAD $\gamma V = 86$ kips

SERVICE LIMIT STATE

PRESUMPTIVE BEARING CAPACITY $q_p = 12.3$ ksf
BASED UPON FOOTING SETTLEMENT = 1 inches OR LESS
EFFECTIVE FOOTING WIDTH $B' = 5.2$ ft
EFFECTIVE FOOTING LENGTH $L' = 15.7$ ft
RESISTANCE FACTOR $\phi = 1.0$
FACTORED PRESUMPTIVE BEARING RESISTANCE $\phi q_p = 12.3$ ksf
FACTORED APPLIED LOAD $\gamma Q/(B'L') = 2.3$ ksf

EXTREME LIMIT STATE

NOMINAL BEARING RESISTANCE $q_n = 14.3$ ksf
EFFECTIVE FOOTING WIDTH $B' = 5.4$ ft
EFFECTIVE FOOTING LENGTH $L' = 15.9$ ft
RESISTANCE FACTOR $\phi = 1.0$
FACTORED BEARING RESISTANCE $\phi q_n = 14.3$ ksf
FACTORED APPLIED LOAD $\gamma Q/(B'L') = 1.8$ ksf
SLIDING
NOMINAL SLIDING RESISTANCE $R_n = 111$ kips
RESISTANCE FACTOR $\phi = 1.0$
FACTORED SLIDING RESISTANCE $\phi R_n = 111$ kips
FACTORED APPLIED LOAD $\gamma V = 56$ kips

GENERAL NOTES

CONSTRUCTION SPECIFICATIONS

MATERIALS, CONSTRUCTION AND WORKMANSHIP WILL BE IN ACCORDANCE WITH THE STATE OF IDAHO TRANSPORTATION DEPARTMENT, "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION", 2018 EDITION, 2021 SUPPLEMENTAL SPECIFICATIONS, AND THE PROJECT PLANS AND SPECIFICATIONS.

MATERIAL

CONCRETE : DECK SLAB - CLASS 40AF..... $f'_c = 4.00$ ksi
ABUTMENTS AND WINGS - CLASS 40A..... $f'_c = 4.00$ ksi
METAL REINFORCEMENT : AASHTO M31, GRADE 60..... $f_y = 60.00$ ksi
STRUCTURAL STEEL: ASTM A709 GRADE 50W..... $f_y = 50.00$ ksi
BASE METAL & WELD CHARPY V-NOTCH REQUIREMENT SHALL MEET ZONE 2.
STRUCTURAL TUBE STEEL: ASTM A847 GRADE PER MANUFACTURER'S REQUIREMENTS.
ANCHOR BOLTS: ASTM F-1554, GRADE 36, GALVANIZED IN ACCORDANCE WITH ASTM A-153.

PLAN DIMENSIONS AND ELEVATIONS

BEVEL ALL EXPOSED EDGES OF CONCRETE $\frac{3}{4}$ " UNLESS NOTED OTHERWISE.
ALL DIMENSIONS TO REINFORCING STEEL ARE TO CENTERLINE OF BAR UNLESS NOTED OTHERWISE.
PROVIDE 2" CONCRETE COVER MEASURED FROM THE FACE OF THE CONCRETE TO THE FACE OF ANY REINFORCING BAR, UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
PROVIDE REINFORCING STEEL SPLICE LENGTHS IN ACCORDANCE WITH AASHTO SPECIFICATIONS.

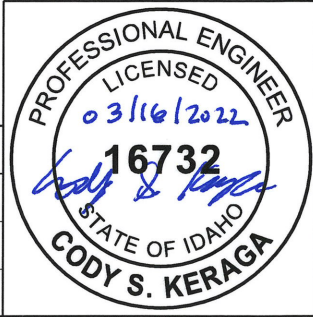
CONSTRUCTION

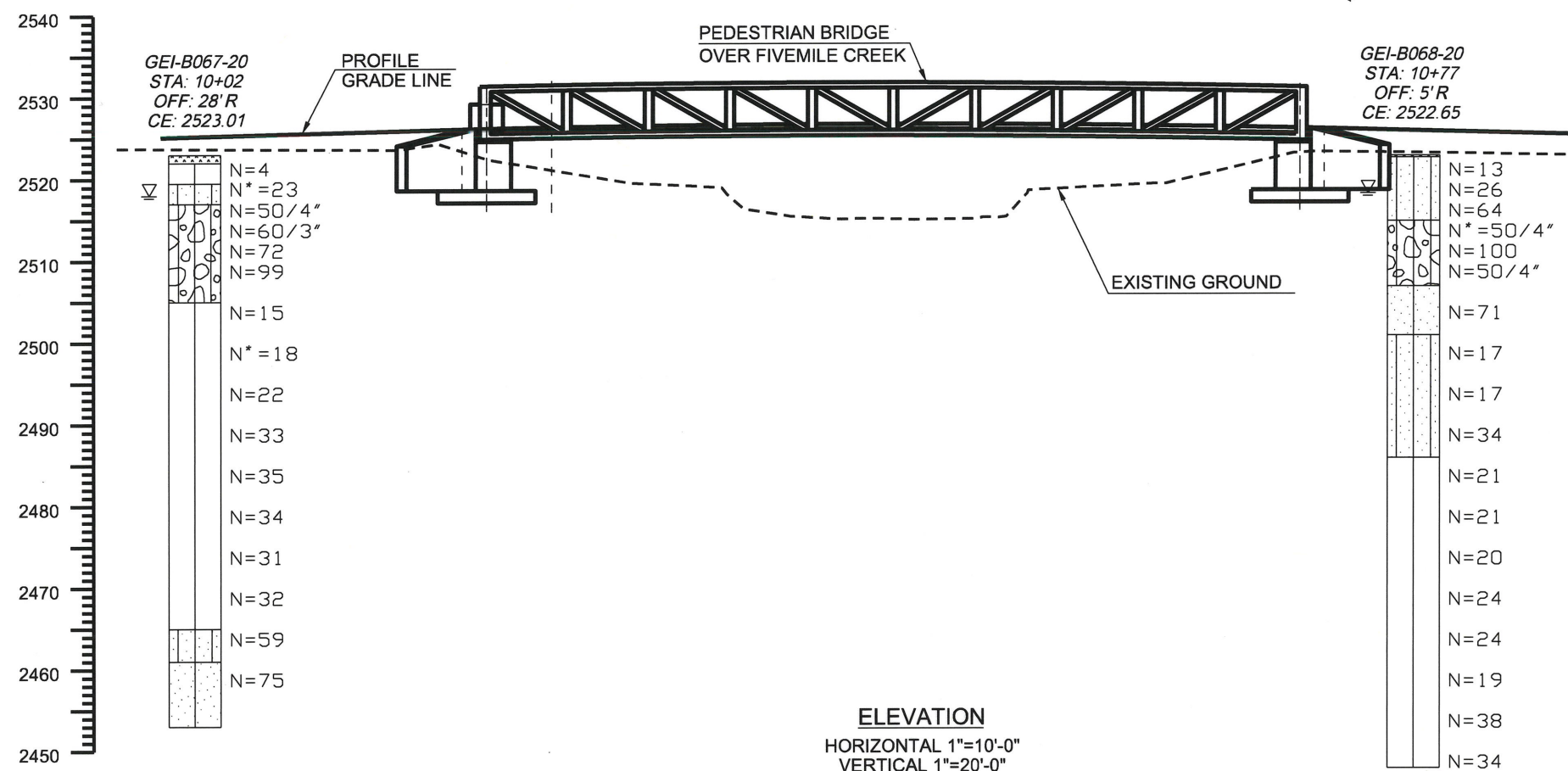
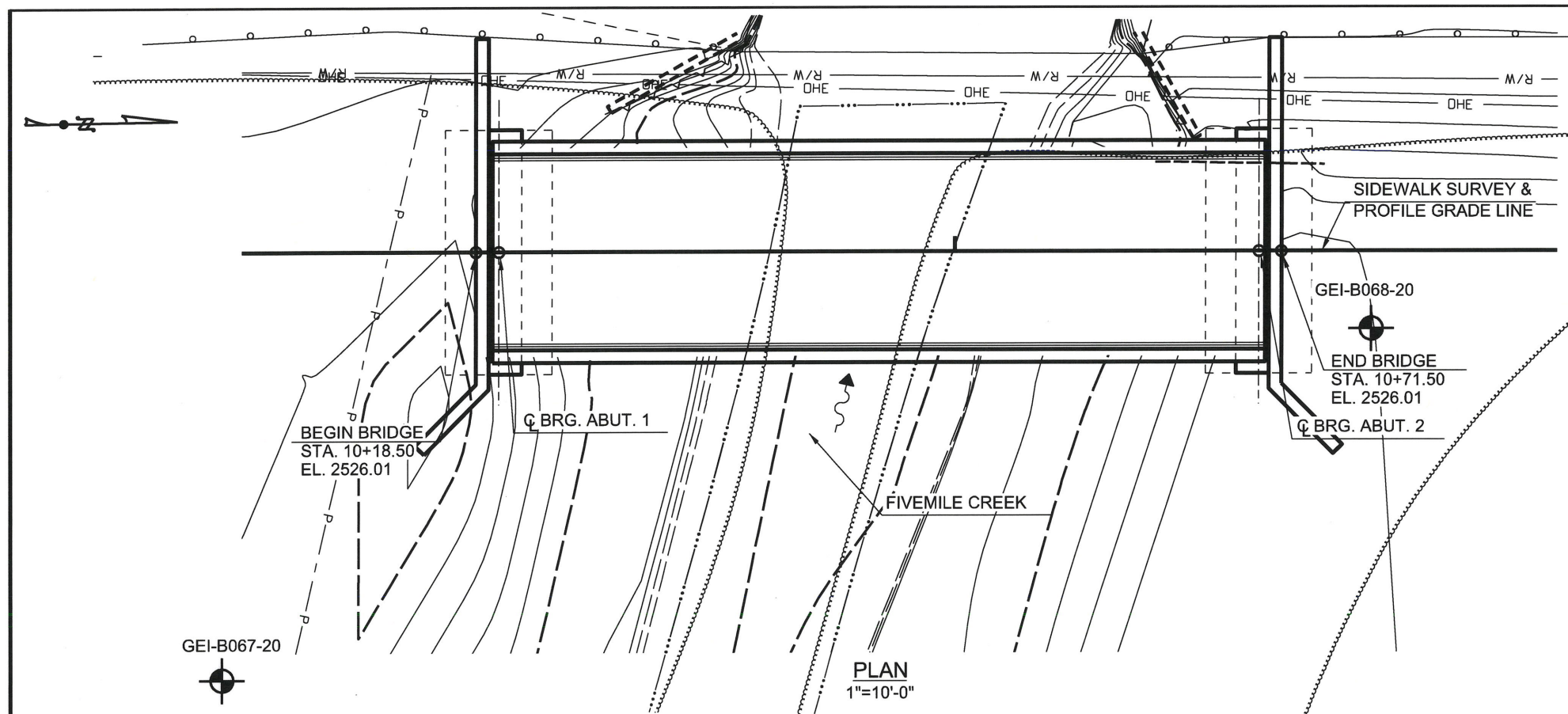
ALL REINFORCING STEEL TO BE EPOXY COATED IS DESIGNATED BY AN "E" AFTER THE BAR MARK.
ALL GLASS FIBER REINFORCED POLYMER REINFORCEMENT IS DESIGNATED BY A "G" AFTER THE BAR MARK.
CONSTRUCTION JOINTS WILL BE PERMITTED ONLY AT THE LOCATIONS SHOWN ON THE PLANS OR AS APPROVED BY THE ENGINEER.
PERMANENT METAL DECK SLAB FORMS MAY BE USED AT CONTRACTOR'S OPTION.
PAINT CONCRETE SUBSTRUCTURES, IF REQUIRED, WITH CLEAR PROTECTIVE COATING OR A PIGMENTED COATING IN ACCORDANCE WITH SUBSECTION 627.03 OF THE STANDARD SPECIFICATIONS.
PROTECT ALL SURFACES OF THE SUBSTRUCTURE WHICH WILL BE EXPOSED ON THE COMPLETED STRUCTURE TO PREVENT STAINING WITH PLASTIC SHEETS OR OTHER APPROVED METHODS UNTIL DECK PLACEMENT IS COMPLETED AND PREFABRICATED BRIDGE BLAST CLEANED.
WELDED FABRICATION WILL BE IN ACCORDANCE WITH ANSI/AASHTO/AWS D1.5 AND ALL INTERIM REVISIONS PUBLISHED BY AASHTO.
NO BOLTED OR FIELD WELDED CONNECTIONS SHALL BE USED UNLESS APPROVED BY THE ENGINEER.
ALL ELEVATIONS ARE BASED ON NAVD 88 DATUM.

INCIDENTAL ITEMS

ALL ITEMS SHOWN OR NOTED ON PLANS WHICH ARE NOT SPECIFICALLY BID ITEMS ARE CONSIDERED INCIDENTAL ITEMS. THE COST OF FURNISHING AND INSTALLING ALL INCIDENTAL ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS, UNLESS NOTED OTHERWISE.

REVISIONS				DESIGNED C. DAVIS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	IDaho TRANSPORTATION DEPARTMENT	ENGLISH	DESIGN AND GENERAL NOTES	BRIDGE PLANS	
NO.	DATE	BY	DESCRIPTION						BRIDGE KEY NO.	
△				DESIGN CHECKED K. FOX	CADD FILE NAME 20788_brpd_D103.dgn	YOUR Safety→YOUR Mobility→YOUR Economic Opportunity	PROJECT NO. A023(408)	53' PREFABRICATED STEEL TRUSS BRIDGE PEDESTRIAN SIDEWALK OVER FIVEMILE CREEK STA. 10+45.00	N/A	
△				DETAILED D. FOSTER					COUNTY ADA	KEY NO. 23408
△				DWG. CHECKED R. BOGGAN	DRAWING DATE: NOVEMBER 2021	DAVID EVANS AND ASSOCIATES INC.			BRIDGE DWG. NO. 18090	SHEET 3 OF 9
△				CORRECTIONS						





LEGEND			
	LAYER 1 SILT, SILT WITH SAND (ML)		LAYER 3 SAND WITH SILT(SP-SM)
	LAYER 2 SILTY SAND, SILTY SAND WITH GRAVEL AND COBBLES (SM)		LAYER 4 GRAVEL WITH SAND AND COBBLES (GM)

OFF	OFFSET FROM CENTERLINE (FEET)
CE	COLLAR ELEVATION (FEET)
N	BLOWS OF A 140 LB HAMMER FALLING 30" REQUIRED TO DRIVE A 2" OD SPLIT-SPOON SAMPLER A DISTANCE OF 12 INCHES
N*	A 140 LB HAMMER FALLING 30" WAS USED TO DRIVE A 3" OD SPLIT-BARREL SAMPLER. THE FIELD BLOWCOUNTS FOR THE OVERSIZED SAMPLER WERE CONVERTED TO APPROXIMATE N-VALUES (N*) USING THE LOCROIX-HORN CONVERSION
▽	APPROXIMATE GROUNDWATER ELEVATION ENCOUNTERED DURING DRILLING

- NOTES:
1. THE SUBSURFACE CONDITIONS SHOWN RESPRESENT THE APPROXIMATE DEPTHS OF CHANGES IN SOIL TYPE. THE TRANSITION BETWEEN MATERIALS MAY BE GRADUAL OR ABRUPT.
 2. THIS PROFILE SHOWS SUBSURFACE CONDITIONS SHOWN AT THE SPECIFIC BORING LOCATIONS AT THE TIME THE BORINGS WERE DRILLED. THEY MAY NOT BE REPRESENTATIVE OF SUBSURFACE SOIL, ROCK AND GROUNDWATER CONDITIONS AT OTHER LOCATIONS AND TIME.
 3. COBBLES ARE PRESENT AND SHOULD BE ANTICIPATED TO BE ENCOUNTERED AT THE SITE.
 4. GROUNDWATER ELEVATIONS SHOWN ARE BASED ON WATER LEVELS AT THE TIME OF DRILLING. GROUNDWATER LEVELS ARE APPROXIMATE AND SHOULD BE EXPECTED TO FLUCTUATE.
 5. THE FOUNDATION INVESTIGATION REPORT, BORING LOGS, AND OTHER INFORMATION RELATED TO FOUNDATION INVESTIGATION FOR THIS PROJECT ARE AVAILABLE AT THE ITD DISTRICT MATERIALS SECTION.

REVISIONS			
NO.	DATE	BY	DESCRIPTION
△			
△			
△			
△			

DESIGNED
C. WOO
DESIGN CHECKED
B. DUREE
DETAILED
T. BYRD
DWG. CHECKED
B. DUREE
CORRECTIONS

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY
CADD FILE NAME
20788_brdp_D101.dgn
DRAWING DATE:
NOVEMBER 2021

IDAHO
TRANSPORTATION
DEPARTMENT

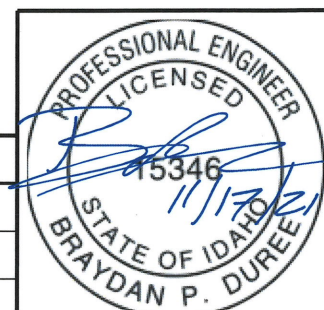
YOUR Safety → YOUR Mobility → YOUR Economic Opportunity

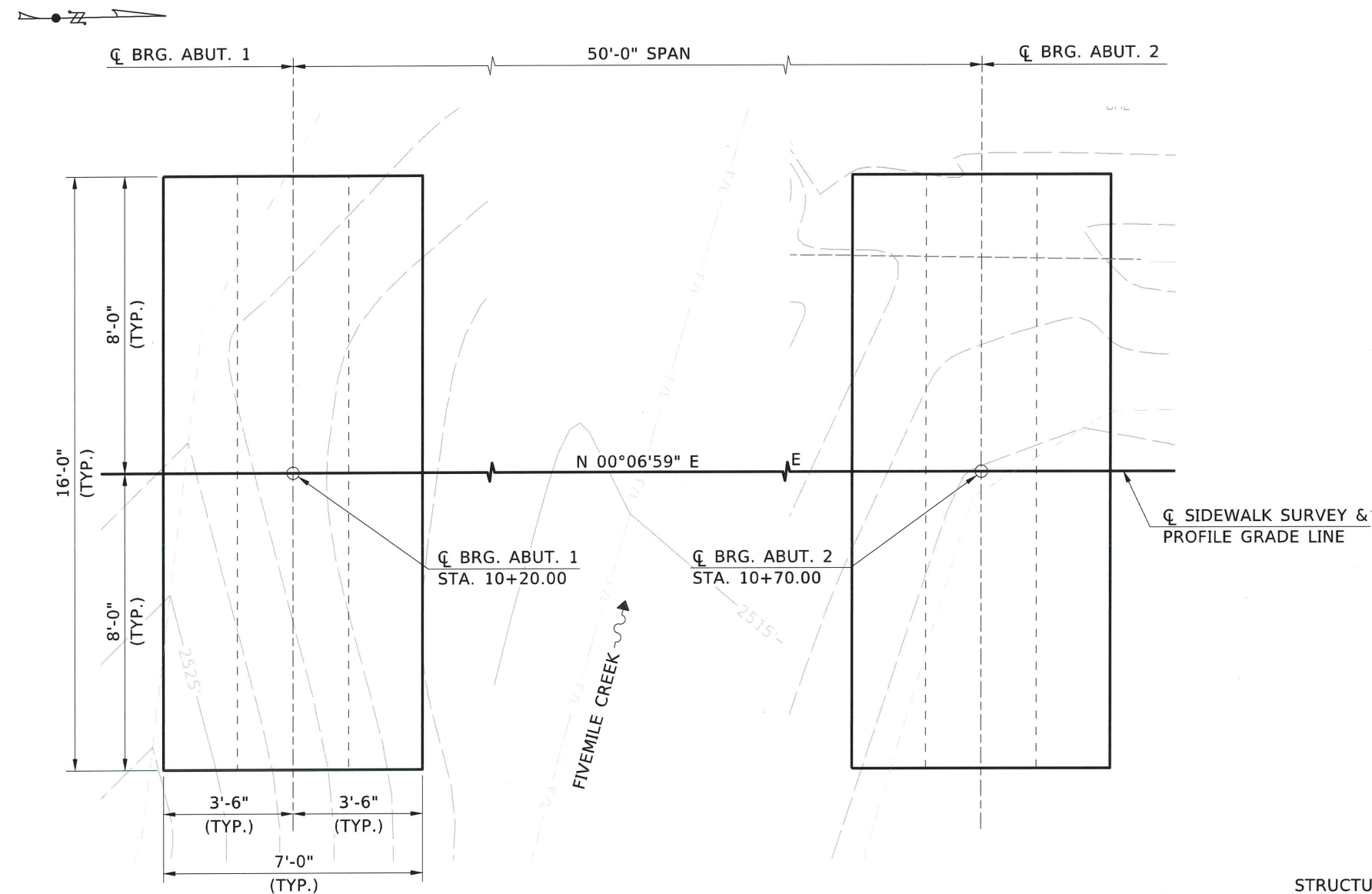
GEOENGINEERS

ENGLISH
PROJECT NO.
A023(408)

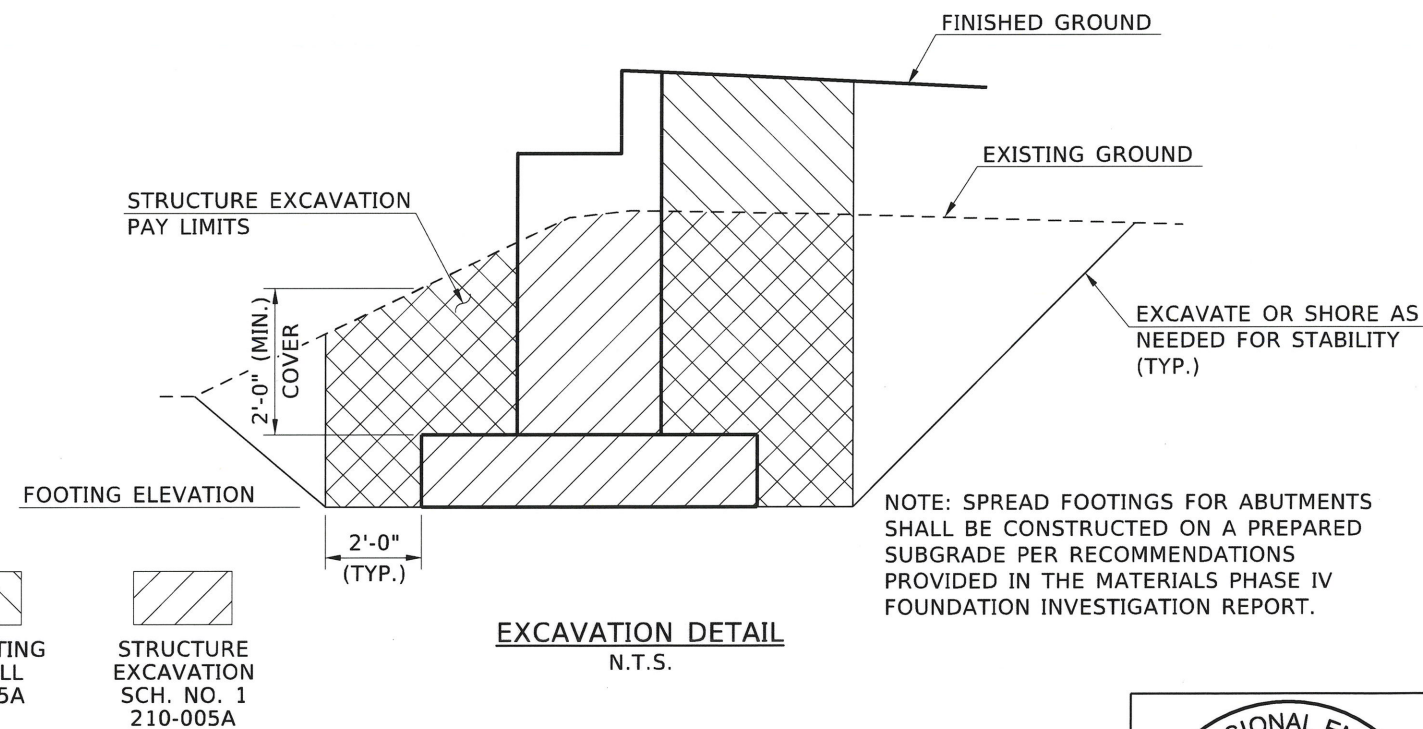
FOUNDATION INVESTIGATION
53' PREFABRICATED STEEL TRUSS BRIDGE
PEDESTRIAN SIDEWALK OVER FIVEMILE CREEK
STA. 10+45.00

BRIDGE PLANS
BRIDGE KEY NO. N/A
COUNTY ADA KEY NO. 23408
BRIDGE DWG. NO. 18090 SHEET 4 OF 9





FOUNDATION LAYOUT
1/4" = 1'-0"



COMPACTING
BACKFILL
210-015A

STRUCTURE
EXCAVATION
SCH. NO. 1
210-005A

REVISIONS			DESIGNED C. DAVIS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
NO.	DATE	BY		
1			DESIGN CHECKED K. FOX	CADD FILE NAME
2			DETAILED D. FOSTER	20788_brpd_D105.dgn
3			DWG. CHECKED R. BOGGAN	DRAWING DATE: NOVEMBER 2021
4			CORRECTIONS	

DESIGNED
C. DAVIS
DESIGN CHECKED
K. FOX
DETAILED
D. FOSTER
DWG. CHECKED
R. BOGGAN
CORRECTIONS

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY
CADD FILE NAME
20788_brpd_D105.dgn
DRAWING DATE:
NOVEMBER 2021

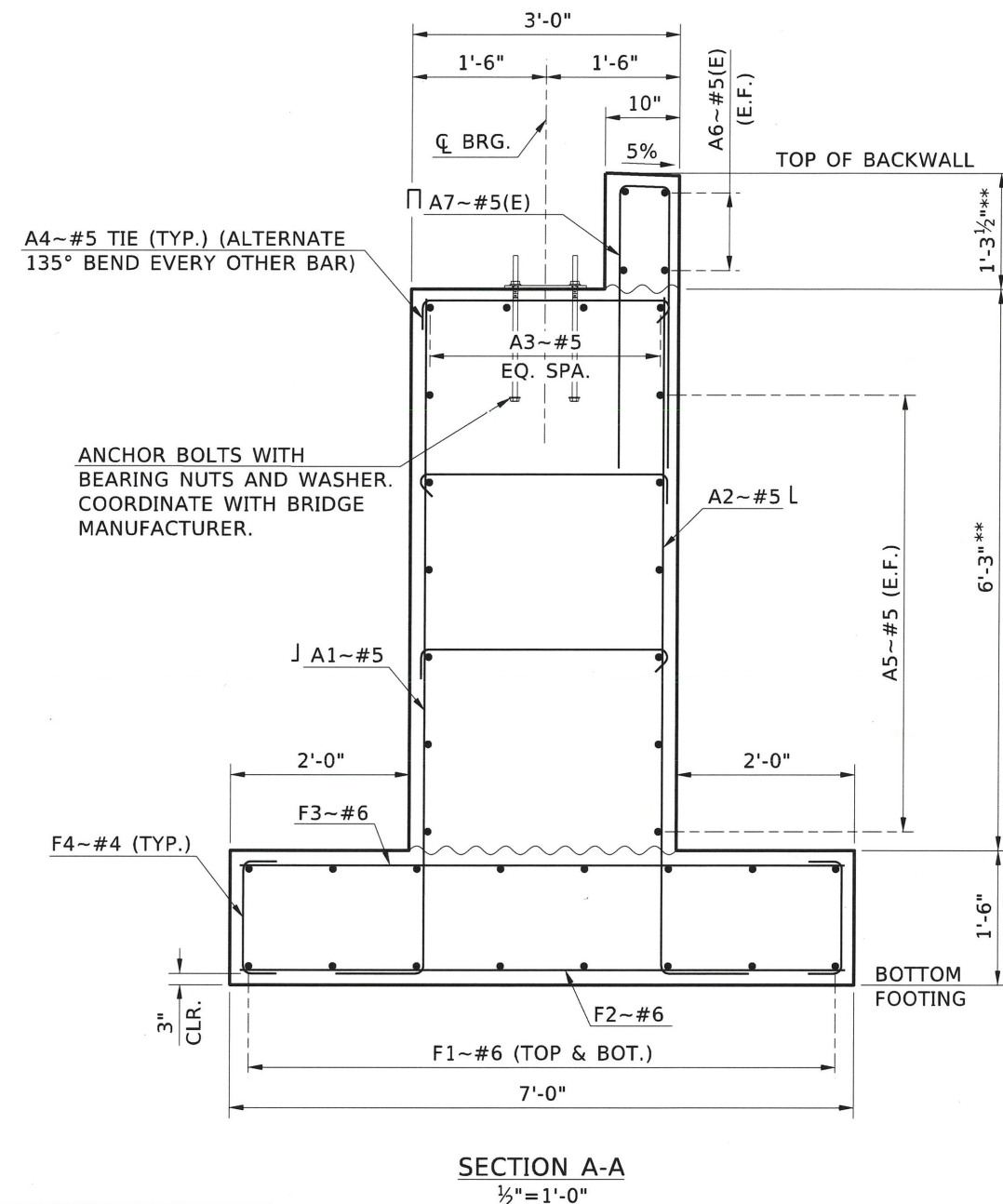
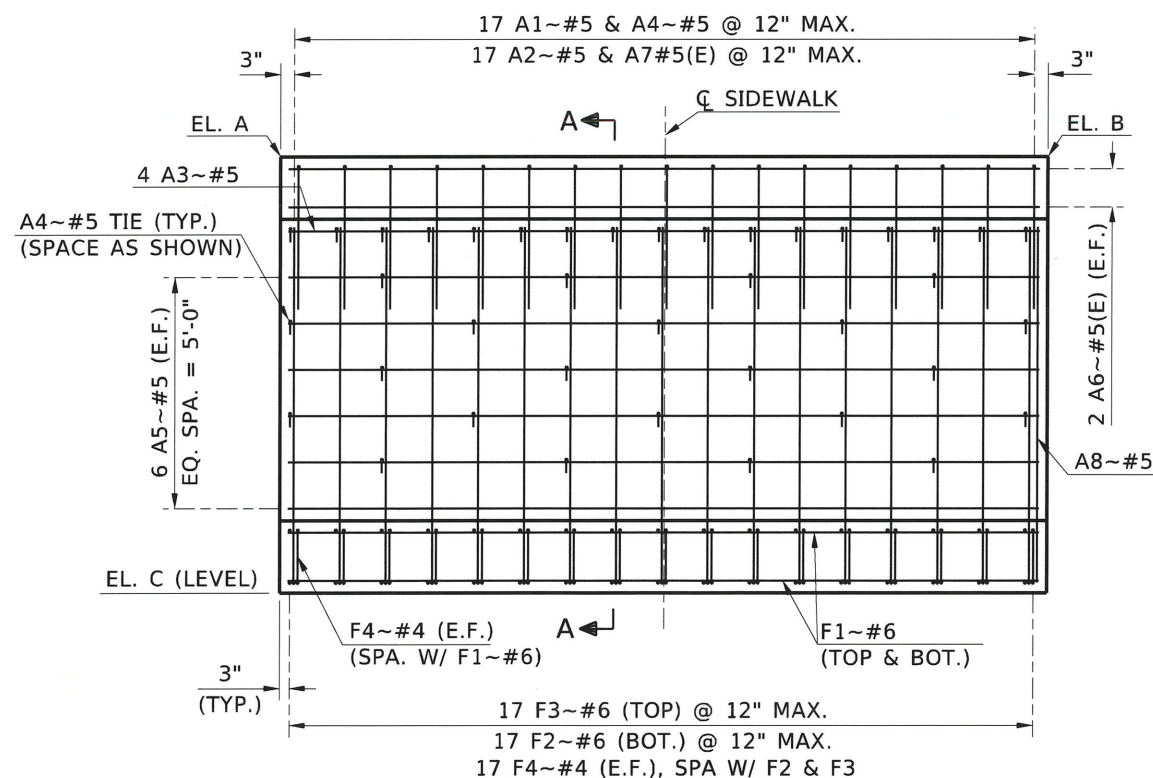
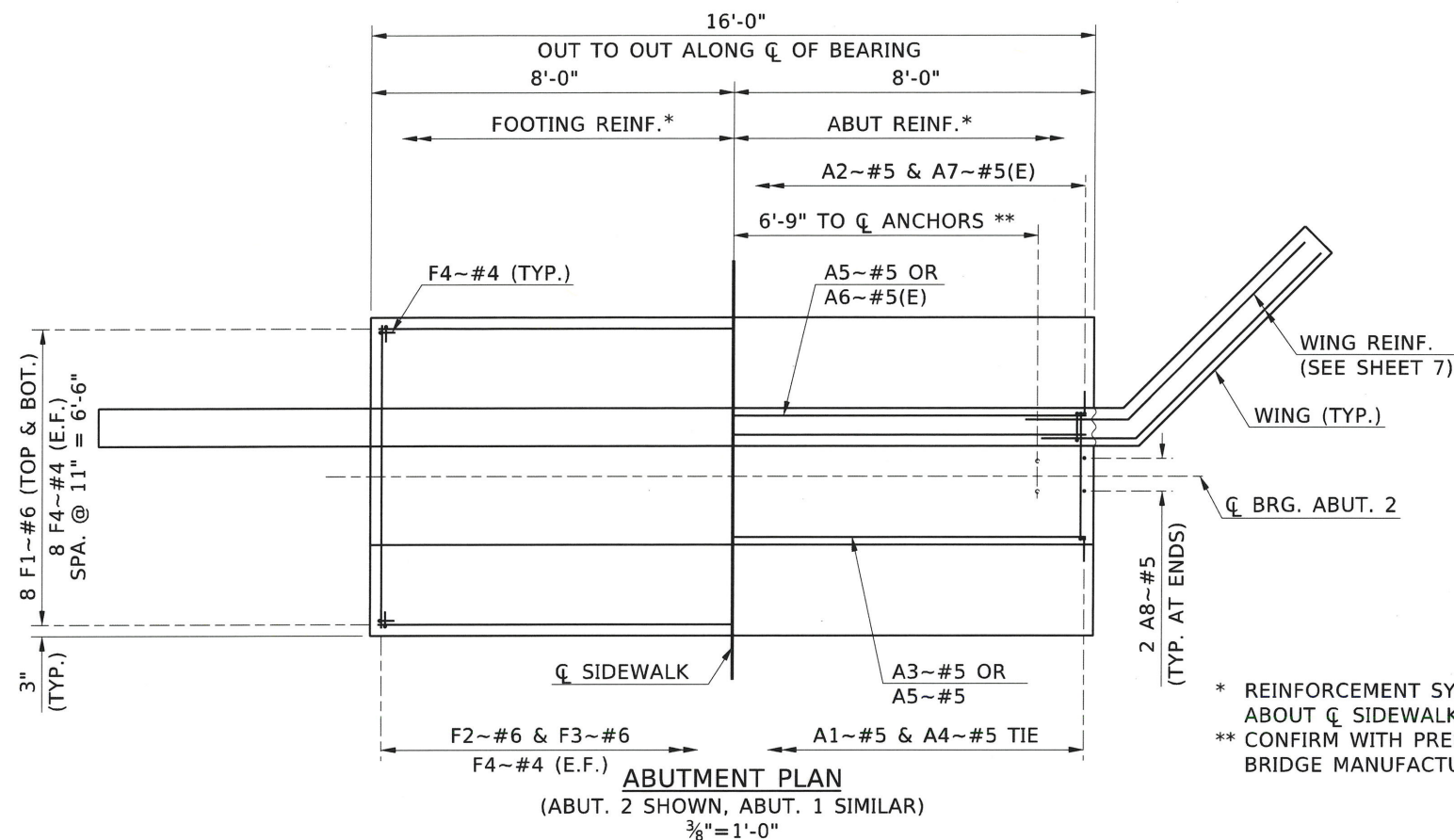
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DEPARTMENT
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DAVID EVANS
AND ASSOCIATES INC.

ENGLISH
PROJECT NO.
A023(408)

FOUNDATION LAYOUT AND DETAILS
53' PREFABRICATED STEEL TRUSS BRIDGE
PEDESTRIAN SIDEWALK OVER FIVEMILE CREEK
STA. 10+45.00

BRIDGE PLANS
BRIDGE KEY NO.
N/A
COUNTY
ADA
KEY NO.
23408
BRIDGE DWG. NO.
18090
SHEET
5 OF 9

PROFESSIONAL ENGINEER
LICENSED
03/16/2022
16732
STATE OF IDAHO
CODY S. KERAGA



ABUTMENT ELEVATIONS		
LOCATION	EL. A & B ***	EL. C
ABUT. 1	2526.05	2517.00
ABUT. 2	2526.05	2517.00

*** ELEVATION AT TOP OF BACKWALL.

REVISIONS				DESIGNED C. DAVIS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
NO.	DATE	BY	DESCRIPTION		
1				DESIGN CHECKED K. FOX	CADD FILE NAME
2				DETAILED D. FOSTER	20788_brpd_D106.dgn
3				DWG. CHECKED R. BOGGAN	DRAWING DATE: NOVEMBER 2021
4				CORRECTIONS	

IDAHO TRANSPORTATION DEPARTMENT

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DAVID EVANS AND ASSOCIATES INC.

ENGLISH

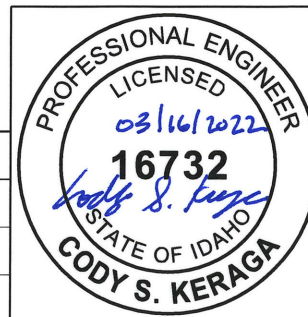
PROJECT NO.

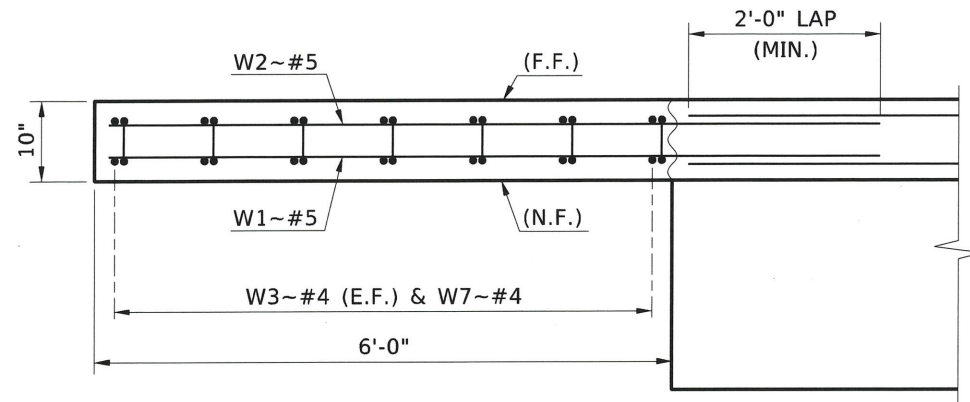
A023(408)

ABUTMENT DETAILS

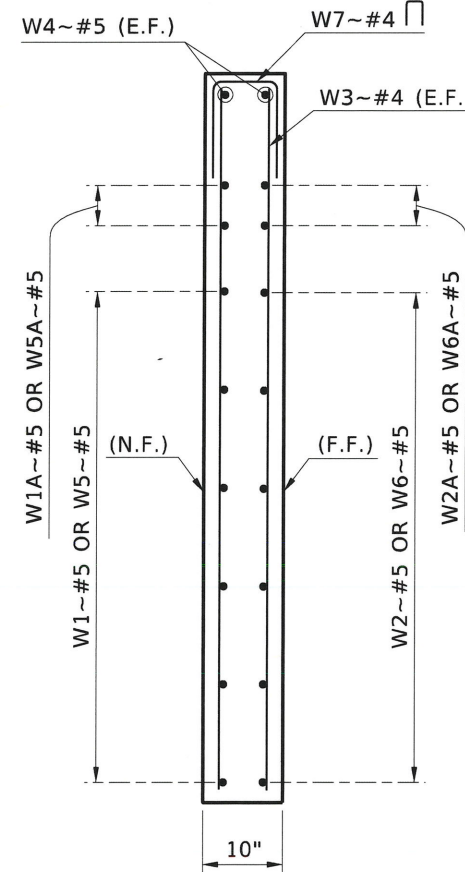
53' PREFABRICATED STEEL TRUSS BRIDGE
PEDESTRIAN SIDEWALK OVER FIVEMILE CREEK
STA. 10+45.00

BRIDGE PLANS	
BRIDGE KEY NO. N/A	
COUNTY ADA	KEY NO. 23408
BRIDGE DWG. NO. 18090	SHEET 6 OF 9

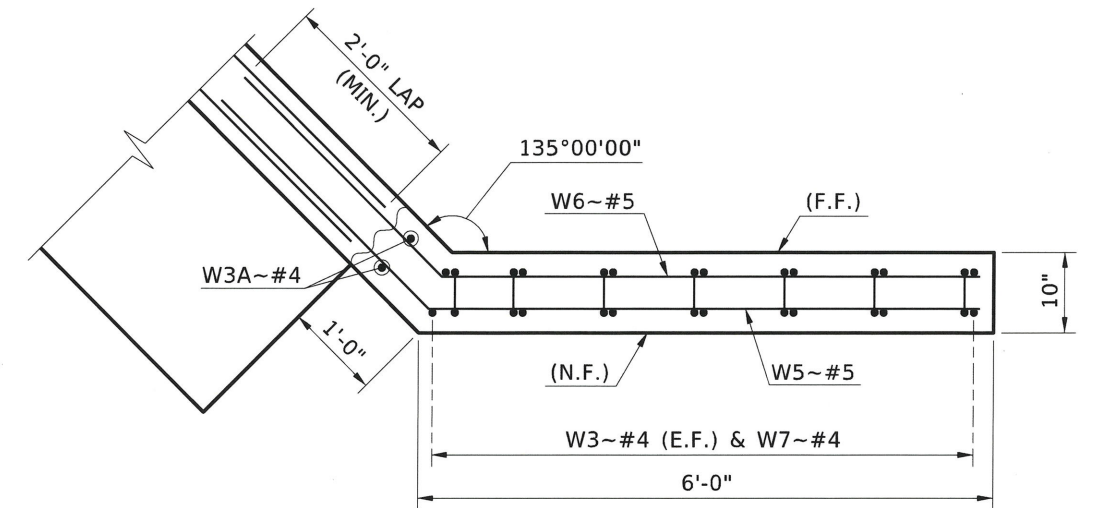




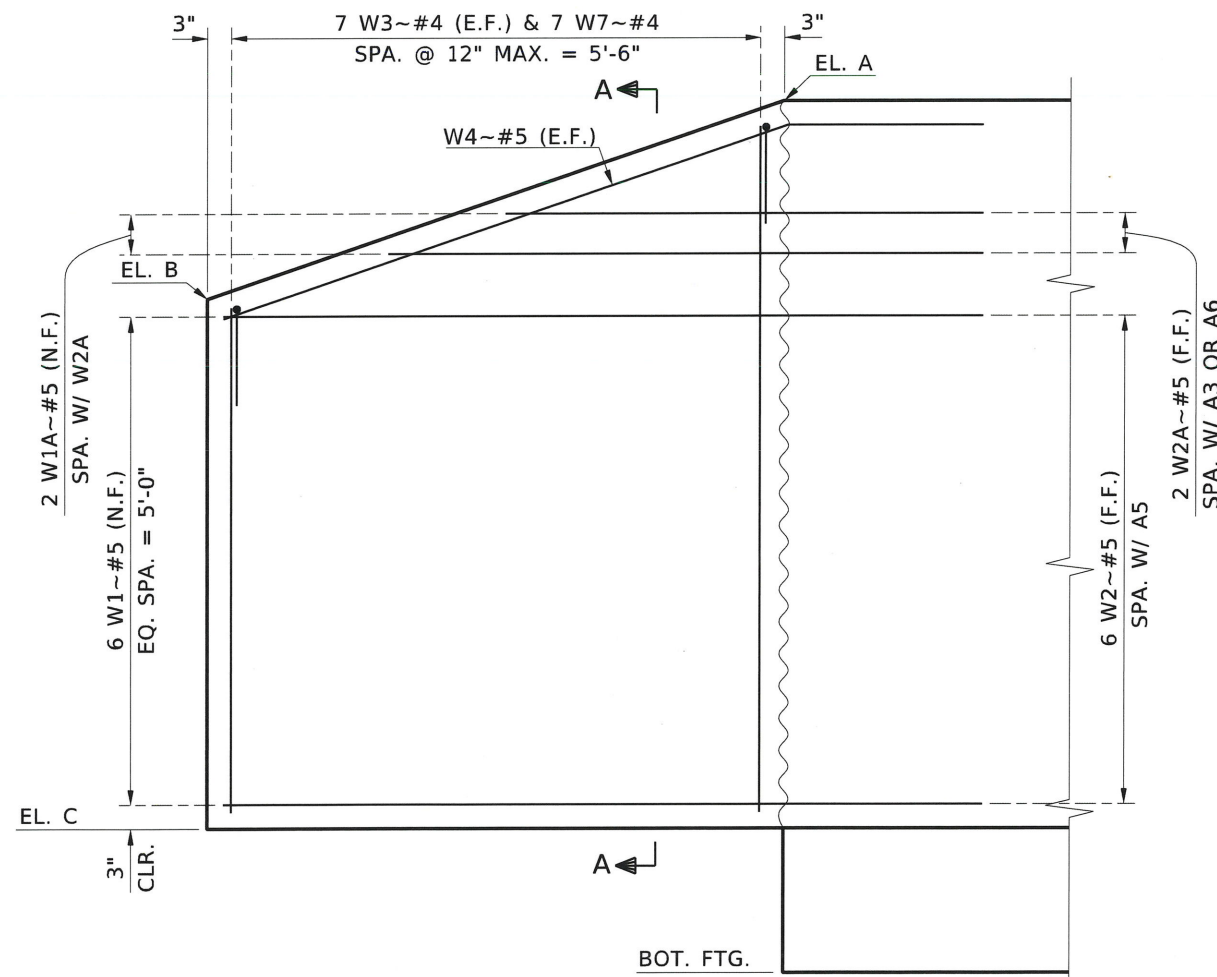
WING 1 & 3 PLAN
(WING 3 SHOWN, WING 1 SIMILAR)
1/2" = 1'-0"



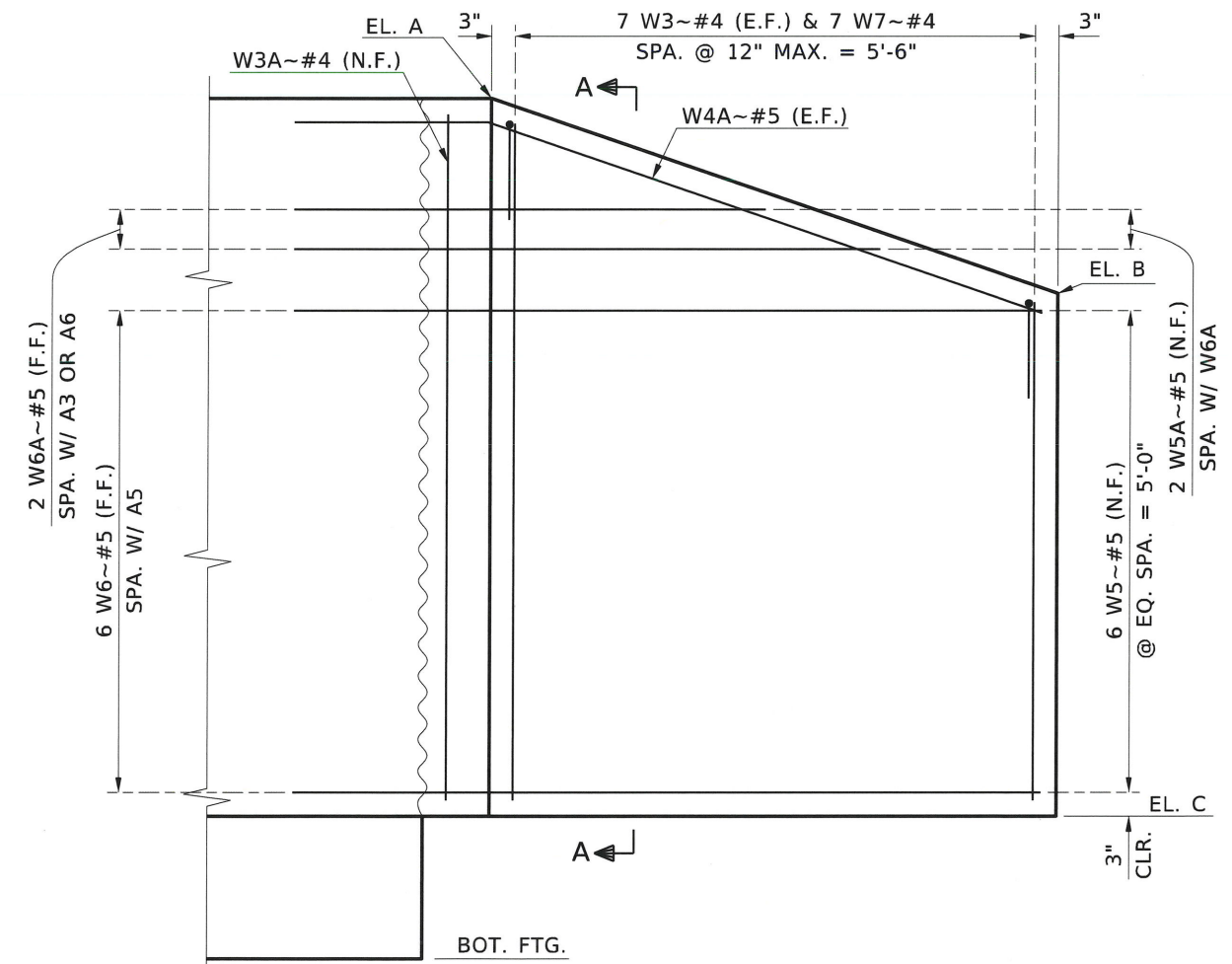
WING ELEVATION TABLE			
LOCATION	EL. A	EL. B	EL. C
WING 1	2526.05	2524.00	2518.50
WING 2	2526.05	2524.00	2518.50
WING 3	2526.05	2524.00	2518.50
WING 4	2526.05	2524.00	2518.50



WING 2 & 4 PLAN
(WING 4 SHOWN, WING 2 SIMILAR)
1/2" = 1'-0"



WING 1 & 3 ELEVATION
1/2" = 1'-0"



WING 2 & 4 ELEVATION
1/2" = 1'-0"

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1			
2			
3			
4			
5			

DESIGNED
C. DAVIS
DESIGN CHECKED
K. FOX
DETAILED
D. FOSTER
DWG. CHECKED
R. BOGGAN
CORRECTIONS

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY
CADD FILE NAME
20788_brpd_D107.dgn
DRAWING DATE:
NOVEMBER 2021

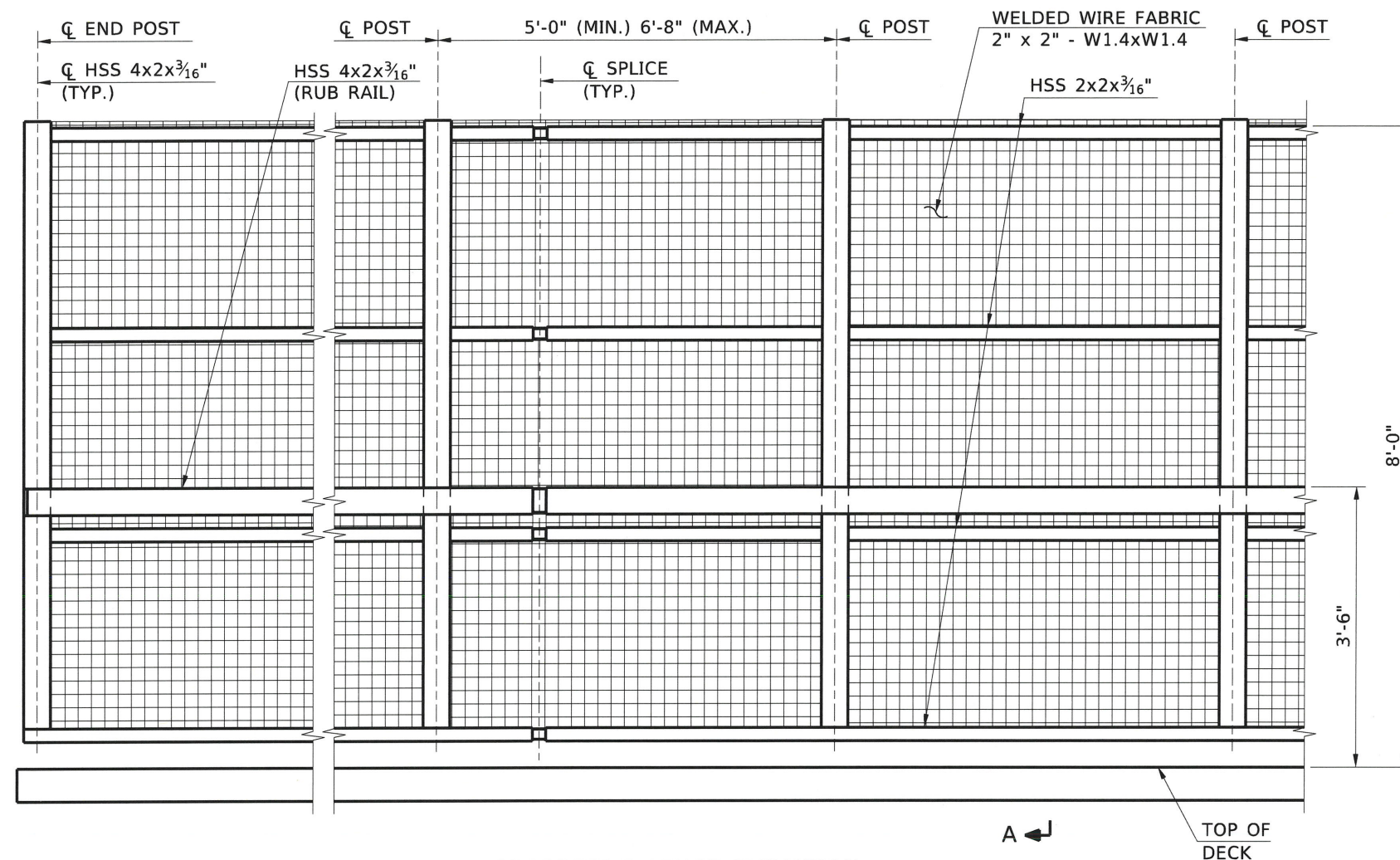
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AND ASSOCIATES INC.

ENGLISH
PROJECT NO.
A023(408)

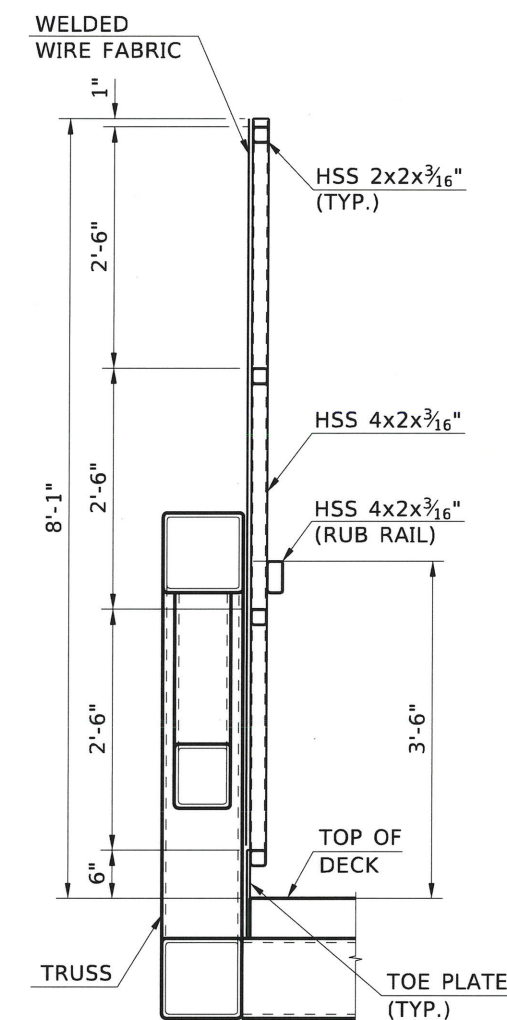
WING DETAILS
53' PREFABRICATED STEEL TRUSS BRIDGE
PEDESTRIAN SIDEWALK OVER FIVEMILE CREEK
STA. 10+45.00

BRIDGE PLANS
BRIDGE KEY NO.
N/A
COUNTY
ADA
KEY NO.
23408
BRIDGE DWG. NO.
18090
SHEET
7 OF 9

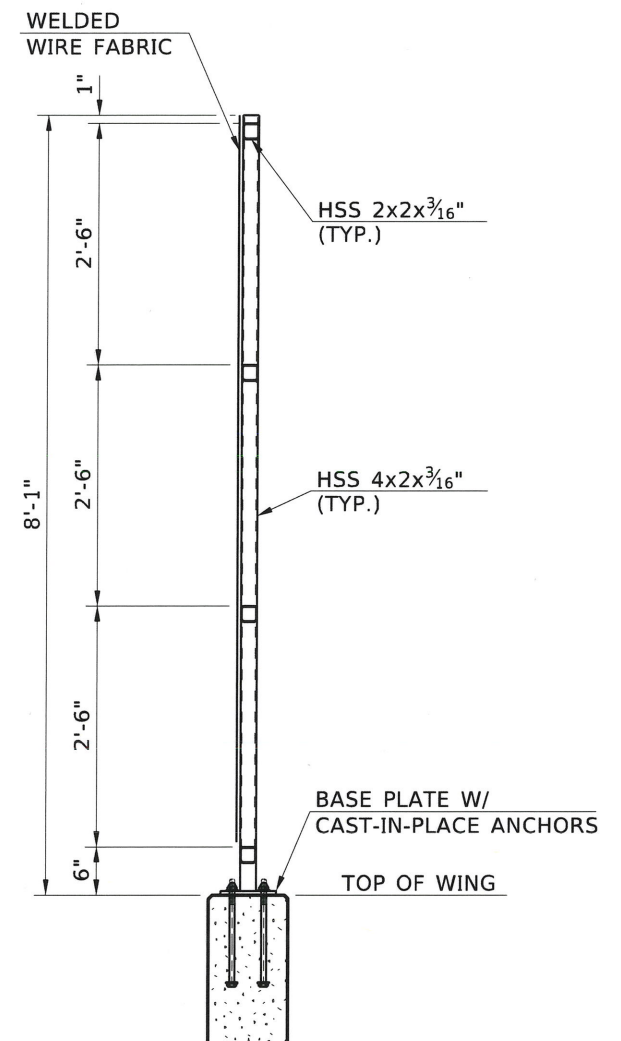
PROFESSIONAL ENGINEER
LICENSED
03/16/2022
16732
CODY S. KERAGA
STATE OF IDAHO



PROTECTIVE FENCE ELEVATION
(BRIDGE TRUSS NOT SHOWN FOR CLARITY)
1/2"=1'-0"



SECTION A-A
1/2"=1'-0"



TYPICAL SECTION ON WING
1/2"=1'-0"

NOTES:

1. PROTECTIVE FENCE SHOWN IS GENERAL MINIMUM REQUIREMENTS. ALTERNATE SYSTEMS MAY BE SUBMITTED FOR APPROVAL BY THE ENGINEER. SEE SPECIAL PROVISIONS S501-25A.
2. PROTECTIVE FENCE IS INCIDENTAL TO BID ITEM S501-25A "SP BRIDGE PRE-ENGINEERED METAL PEDESTRIAN BRIDGE".

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1			
2			
3			
4			
5			

DESIGNED
C. DAVIS
DESIGN CHECKED
K. FOX
DETAILED
D. FOSTER
DWG. CHECKED
R. BOGGAN
CORRECTIONS

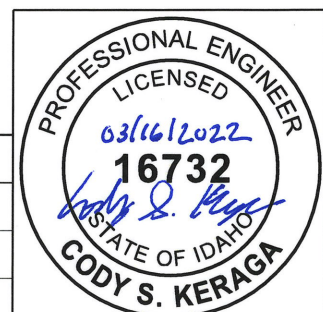
SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY
CADD FILE NAME
20788_brpd_D108.dgn
DRAWING DATE:
NOVEMBER 2021

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ENGLISH
PROJECT NO.
A023(408)

PROTECTIVE FENCE DETAILS
53' PREFABRICATED STEEL TRUSS BRIDGE
PEDESTRIAN SIDEWALK OVER FIVEMILE CREEK
STA. 10+45.00

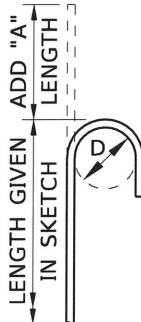
BRIDGE PLANS
BRIDGE KEY NO.
N/A
COUNTY
ADA
BRIDGE DWG. NO.
18090
KEY NO.
23408
SHEET
8 OF 9



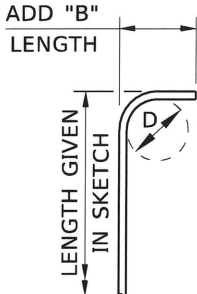
	MARK	LOCATION	BAR SIZE	COAT	NO. OF BARS	BAR TYPE	BARS/ SET	LENGTH a	LENGTH b	LENGTH c	LENGTH d	LENGTH e	ANGLE θ	ANGLE φ	TOTAL LENGTH
*	F1	ABUT. 1	6		16	1		15'-8"							250'-8"
	F2	ABUT. 1	6		17	1		6'-8"							113'-4"
	F3	ABUT. 1	6		17	1		6'-8"							113'-4"
	F4	ABUT. 1	4		50	4		1'-1"	0'-5"	0'-5"					95'-11"
	A1	ABUT. 1	5		17	2		7'-4"	0'-10"						138'-10"
	A2	ABUT. 1	5		17	2		7'-4"	0'-10"						138'-10"
	A3	ABUT. 1	5		4	1		15'-8"							62'-8"
	A4	ABUT. 1	5		39	3		2'-8"							141'-5"
*	A5	ABUT. 1	5		12	1		15'-8"							188'-0"
	A6	ABUT. 1	5	(E)	4	1		15'-8"							62'-8"
	A7	ABUT. 1	5	(E)	17	4		0'-6"	3'-0"	3'-0"					110'-6"
	A8	ABUT. 1	5		4	1		7'-4"							29'-4"
	F1	ABUT. 2	6		16	1		15'-8"							250'-8"
	F2	ABUT. 2	6		17	1		6'-8"							113'-4"
	F3	ABUT. 2	6		17	1		6'-8"							113'-4"
F4	ABUT. 2	4		50	4		1'-1"	0'-5"	0'-5"					95'-11"	
A1	ABUT. 2	5		17	2		7'-4"	0'-10"						138'-10"	
A2	ABUT. 2	5		17	2		7'-4"	0'-10"						138'-10"	
A3	ABUT. 2	5		4	1		15'-8"							62'-8"	
A4	ABUT. 2	5		39	3		2'-8"							141'-5"	
A5	ABUT. 2	5		12	1		15'-8"							188'-0"	
A6	ABUT. 2	5	(E)	4	1		15'-8"							62'-8"	
A7	ABUT. 2	5	(E)	17	4		0'-6"	3'-0"	3'-0"					110'-6"	
A8	ABUT. 2	5		4	1		7'-4"							29'-4"	
	W1	WING 1 & 3	5		12	1		8'-0"							96'-0"
	W1A	WING 1 & 3	5		4	30	2	5'-3"	6'-6"						23'-6"
	W2	WING 1 & 3	5		12	1		8'-0"							96'-0"
	W2A	WING 1 & 3	5		4	30	2	5'-3"	6'-6"						23'-6"
	W3	WING 1 & 3	4		28	30	4	5'-2"	7'-2"						172'-8"
	W4	WING 1 & 3	5		4	9		6'-2"	2'-2"				19.4		33'-4"
	W7	WING 1 & 3	4		14	4		0'-6"	1'-0"	1'-0"					35'-0"
	W5	WING 2 & 4	5		12	9		5'-9"	3'-0"				45		105'-0"
	W5A	WING 2 & 4	5		4	34	2	3'-0"	4'-3"	3'-0"			45		14'-6"
	W6	WING 2 & 4	5		12	9		5'-7"	2'-9"				45		100'-0"
	W6A	WING 2 & 4	5		4	34	2	2'-10"	4'-1"	2'-9"			45		13'-10"
	W3	WING 2 & 4	4		28	34	4	5'-2"	7'-2"						172'-8"
	W3A	WING 2 & 4	4		4	1		7'-2"							28'-8"
	W4A	WING 2 & 4	5		4	39		6'-2"	3'-2"				45	19.4	37'-4"
	W7	WING 2 & 4	4		14	4		0'-6"	1'-0"	1'-0"				</	

1 	2 	3 	4
5 	6 	7 	8
9 	10 	11 	30
31 	32 	33 	34
39 			

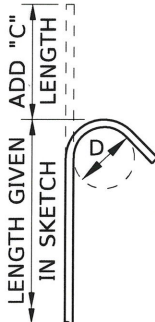
BEND DETAILS



180° BEND



90° BEND



135° BEND

"L" = LENGTH GIVEN IN SKETCH

1. ALL BEND DETAILS TO BE ACCORDING TO THE LATEST A.C.I STANDARD PRACTICE AND AASHTO SPECIFICATIONS.
2. DIMENSIONS SHOWN IN THE "BAR BEND DIAGRAMS" ARE OUT TO OUT OF BEND POINTS OR HOOKS AND/OR END OF BARS UNLESS NOTED OTHERWISE. PIN DIAMETER "D" IS THE SAME FOR ALL BENDS AND HOOKS ON A BAR.
3. NO DEDUCTIONS FOR CURVATURE AT BENDS ARE MADE EXCEPT FOR THE ADJUSTMENTS INCLUDED IN THE ABOVE "ADD LENGTH" DIMENSIONS.
4. * INDICATES STIRRUP OR TIE BAR.
5. PROVIDE BARS THAT CONFORM TO AASHTO M31, GRADE 60.
6. A. PROVIDE EPOXY COATED BARS DESIGNATED "E" IN THE "COAT" COLUMN.
B. PROVIDE GLASS FIBER REINFORCED POLYMER BARS DESIGNATED "G" IN THE "COAT" COLUMN.
7. ONLY REINFORCING STEEL TO BE PAID FOR UNDER THE BID ITEMS 503-010A AND 503-020A IS SHOWN ON THIS SHEET.
8. VERIFY THE QUANTITY, SIZE, AND SHAPE OF THE BAR REINFORCEMENT AGAINST THE STRUCTURE DRAWINGS AND MAKE ANY NECESSARY CORRECTIONS BEFORE ORDERING, AS PER SUBSECTION 503.03 OF THE STANDARD SPECIFICATIONS.

BAR SIZE	LINEAR FEET	POUNDS PER FOOT	TOTAL WEIGHT
#3		0.376	
#4	635'-8"	0.668	424
#5	1,941'-1"	1.043	2,025
#6	954'-8"	1.502	1,434
#7		2.044	
#8		2.670	
#9		3.400	
TOTAL WEIGHT			3,883

BAR SIZE	LINEAR FEET	POUNDS PER FOOT	TOTAL WEIGHT
#4		0.668	
#5	346'-4"	1.043	361
#6		1.502	
#7		2.044	
TOTAL WEIGHT			361

REVISIONS			
NO.	DATE	BY	DESCRIPTION
△			
△			
△			
△			
△			

DESIGNED	C. DAVIS
DESIGN CHECKED	K. FOX
DETAILED	D. FOSTER
DWG. CHECKED	R. BOGGAN
CORRECTIONS	

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 20788_brp_d109.dgn
DRAWING DATE: NOVEMBER 2021

**IDAHO
TRANSPORTATION
DEPARTMENT**

YOUR Safety—YOUR Mobility—YOUR Economic Opportunity

**DAVID EVANS
AND ASSOCIATES INC.**

ENGLISH
PROJECT NO.
A023(408)

METAL REINFORCEMENT

53' PREFABRICATED STEEL TRUSS BRIDGE
PEDESTRIAN SIDEWALK OVER FIVEMILE CREEK
STA. 10+45.00

BRIDGE PLANS	
BRIDGE KEY NO. N/A	
COUNTY ADA	KEY NO. 23408
BRIDGE DWG. NO. 18090	SHEET 9 OF 9

