# Addendum

Iowa Department of Transportation Office of Contracts

County Project Number Addendum

Date of Letting: April 25, 2017

Date of Addendum: April 20, 2017

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
001	82-0741-197	BRIDGE – STEEL GIRDER	SCOTT	IM-NHS-074-1(197)503-82	25APR001A07

Make the following changes to the PLAN:

Replace SHEETS 198, 200, 459, 461, 501, 512, 514 and 807 with attached SHEETS 198, 200, 459, 461, 501, 512, 514 and 807.

Note: Sheets 198, 200, 459, 461, 512 & 514:

Deleted note: "Seal with light gray non-sag urethane caulk after galvanizing" from Section

E-E.

Sheets 200 & 514:

Added note: HSS 14.000x0.625 shall meet the requirements of ASTM A500, Grade B.

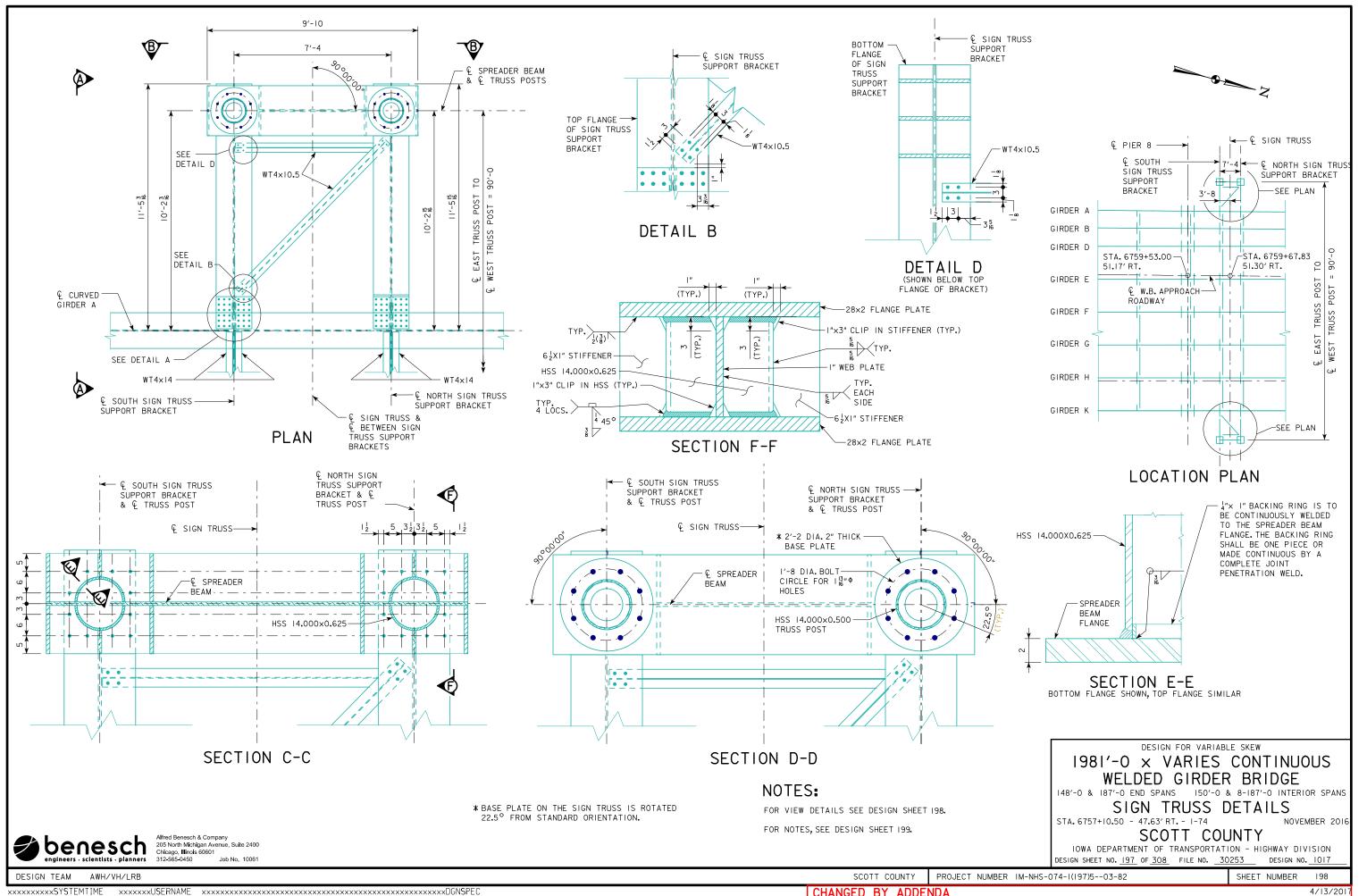
Sheet 461:

Added note: HSS 16.000x0.625 shall meet the requirements of ASTM A500, Grade B.

Sheets 501 & 807:

Deleted callouts for "Type 2 Intermediate Cross Frame" & "Type 3 Intermediate Cross

Frame" from framing plans.



### NOTES:

ALL TIGHTENING OF THE NUTS IS TO BE DONE IN THE PRESENCE OF THE INSPECTOR.

PROPERLY SIZED WRENCHES DESIGNED FOR TIGHTENING NUTS AND/OR BOLTS SHALL BE USED TO AVOID ROUNDING OR OTHER DAMAGE TO THE NUTS. ADJUSTABLE END OR PIPE WRENCHES MAY NOT BE USED.

SPREADER BEAM, ANCHOR BOLTS AND NUTS ARE TO BE FREE OF ANY DIRT OR DEBRIS.

APPLY STICK WAX OR BEES WAX TO THE THREADS AND BEARING SURFACES OF THE ANCHOR BOLT, NUTS, AND WASHERS.

TIGHTEN BOTTOM NUTS SO THEY FULLY CONTACT THE TOP FLANGE OF THE SPREADER BEAM. TIGHTEN TOP NUTS TO SNUG TIGHT CONDITION, SNUG TIGHT IS DEFINED AS THE FULL EFFORT OF ONE PERSON ON A WRENCH WITH A LENGTH EQUAL TO 14 TIMES THE BOLT DIAMETER BUT NOT LESS THAN 18 INCHES. APPLY FORCE AS CLOSE TO THE END OF THE WRENCH AS POSSIBLE, PULL FIRMLY BY LEANING BACK AND USING ENTIRE BODY WEIGHT ON THE END OF THE WRENCH UNTIL THE NUT STOPS ROTATING. USE A MINIMUM OF TWO SEPARATE PASSES OF TIGHTENING, SEQUENCE THE TIGHTENING IN EACH PASS SO THAT THE NUT ON THE OPPOSITE SIDE, TO THE EXTENT POSSIBLE, WILL BE SUBSEQUENTLY TIGHTENED UNTIL ALL OF THE NUTS IN THAT PASS HAVE BEEN

TIGHTEN BOTTOM NUTS TO SNUG TIGHT AS DESCRIBED FOR THE TOP NUTS.

MATCH-MARK THE BOTTOM NUTS AND TOP FLANGE OF SPREADER BEAM USING PAINT, CRAYON, OR OTHER APPROVED MEANS TO PROVIDE A REFERENCE FOR DETERMINING THE RELATIVE ROTATION OF THE NUT AND TOP FLANGE OF SPREADER BEAM DURING TIGHTENING, USING A STRIKING OR HYDRAULIC WRENCH, FURTHER TIGHTEN THE BOTTOM NUTS IN TWO PASSES AS LISTED BELOW. USE A SEQUENCE OF TIGHTENING IN EACH PASS SO THAT THE NUT ON THE OPPOSITE SIDE, TO THE EXTENT POSSIBLE, WILL BE SUBSEQUENTLY TIGHTENED UNTIL ALL NUTS IN THAT PASS HAVE BEEN TÜRNED. DO NOT ROTATE THÉ TOP NUTS WHILE TIGHTENING THE BOTTOM NUTS.

ANCHOR-BOLT SIZE

FIRST PASS I/6 TURN

SECOND PASS I/6 TURN

TOTAL ROTATION 1/3 TURN

LUBRICATE, PLACE AND TIGHTEN THE JAM NUTS TO SNUG TIGHT.

THE I $_2^{1''}$  ANCHOR BOLTS SHALL BE ASTM F1554, GRADE 105 MATERIAL WITH A HOT-DIP GALVANIZED COATING. ANCHOR BOLT MATERIAL SHALL ALSO MEET THE SUPPLEMENTARY REQUIREMENTS OF PARAGRAPH S5 OF ASTM FI554. NUTS FOR ANCHOR BOLTS SHALL BE ASTM A 563, HEAVY-HEX, HOT-DIP GALVANIZED. FLAT CIRCULAR WASHERS SHALL BE ASTM F436, MECHANICALLY ZINC COATED.

STEEL WELDING SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE AWS SPECIFICATIONS DI., STRUCTURAL WELDING CODE--STEEL.

WELDING OF ANCHOR BOLTS SHALL NOT BE ALLOWED.

ANCHOR BOLTS SHALL BE PLUMB WITHIN 4 INCH PER FOOT FROM VERTICAL.

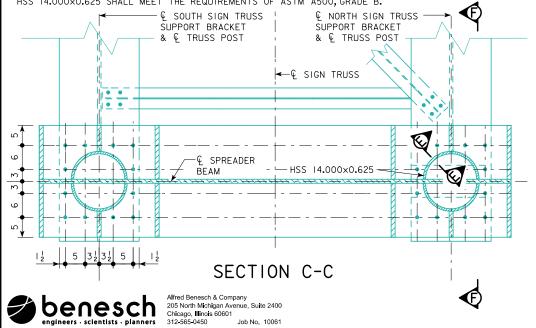
ANCHOR BOLTS SHALL PROJECT ABOVE TOP OF SUPPORT BRACKET ASSEMBLY WITHIN 4 INCH OF THE PLAN DIMENSION.

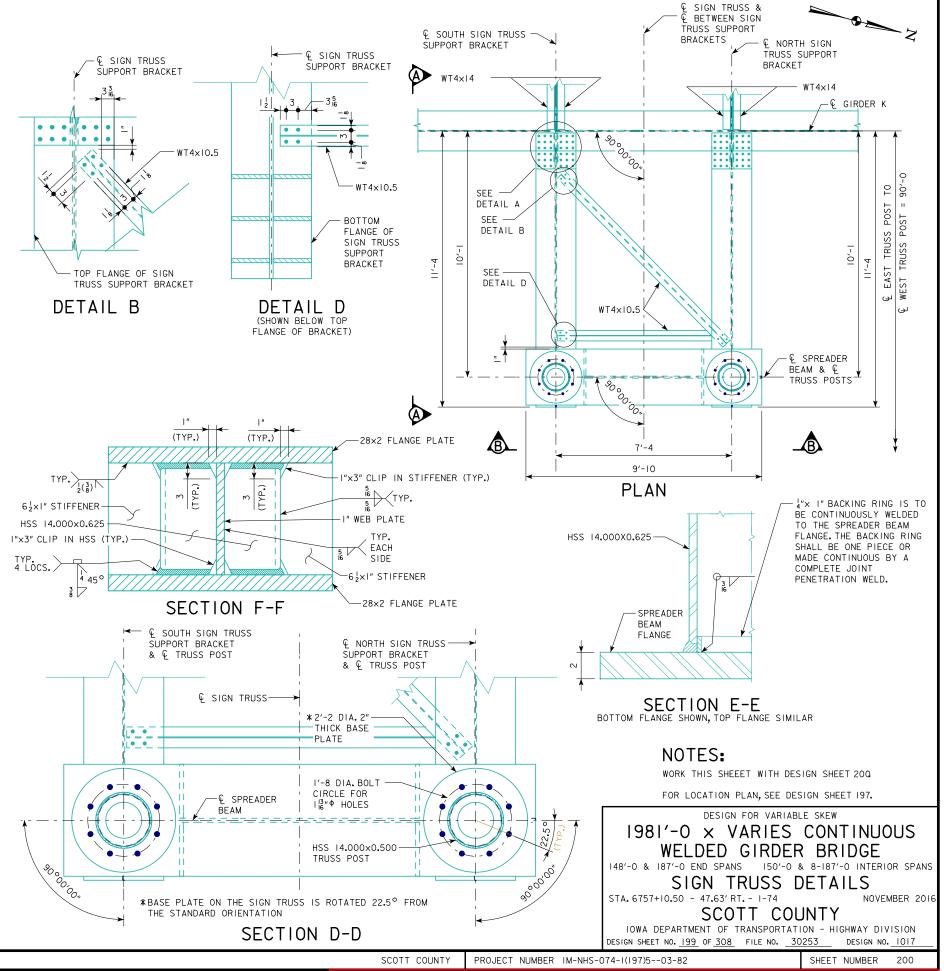
ANCHOR BOLTS SHALL BE PROTECTED AT THE DIRECTION OF THE ENGINEER.

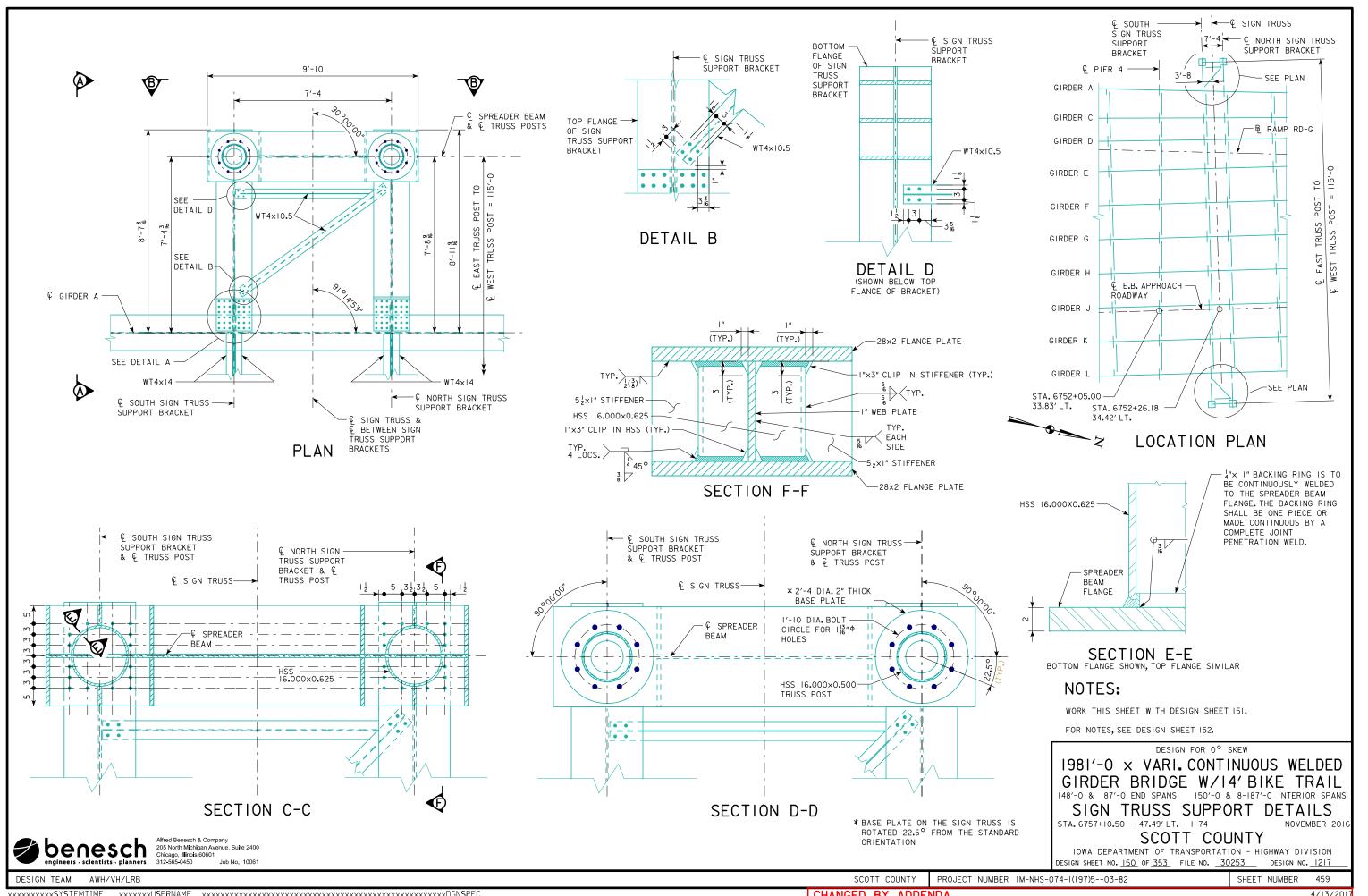
ALL FIELD CONNECTIONS ARE TO BE BOLTED USING HIGH STRENGTH FASTENERS. UNLESS OTHERWISE NOTED, OPEN HOLES ARE TO BE  $\frac{15}{6}$ "  $\phi$  AND BOLTS ARE TO BE  $\frac{7}{8}$ "  $\phi$ .

ALL NUTS DIRECTLY ABOVE AND BELOW THE SIGN TRUSS BASE PLATE SHALL BE PROVIDED IN THIS CONTRACT AND GIVEN TO THE STATE OF IOWA FOR STORAGE AND FUTURE USE. THESE NUTS, ALONG WITH THE SIGN TRUSS BASE PLATE, SHALL BE INSTALLED BY OTHERS IN A FUTURE CONTRACT.

HSS 14.000x0.625 SHALL MEET THE REQUIREMENTS OF ASTM A500, GRADE B.







### NOTES:

ALL TIGHTENING OF THE NUTS IS TO BE DONE IN THE PRESENCE OF THE INSPECTOR.

PROPERLY SIZED WRENCHES DESIGNED FOR TIGHTENING NUTS AND/OR BOLTS SHALL BE USED TO AVOID ROUNDING OR OTHER DAMAGE TO THE NUTS. ADJUSTABLE END OR PIPE WRENCHES MAY NOT BE USED.

SPREADER BEAM, ANCHOR BOLTS AND NUTS ARE TO BE FREE OF ANY DIRT OR DEBRIS.

APPLY STICK WAX OR BEES WAX TO THE THREADS AND BEARING SURFACES OF THE ANCHOR BOLT, NUTS, AND WASHERS.

TIGHTEN BOTTOM NUTS SO THEY FULLY CONTACT THE TOP FLANGE OF THE SPREADER BEAM, TIGHTEN TOP NUTS TO SNUG TIGHT CONDITION. SNUG TIGHT IS DEFINED AS THE FULL EFFORT OF ONE PERSON ON A WRENCH WITH A LENGTH EQUAL TO 14 TIMES THE BOLT DIAMETER BUT NOT LESS THAN 18 INCHES, APPLY FORCE AS CLOSE TO THE END OF THE WRENCH AS POSSIBLE, PULL FIRMLY BY LEANING BACK AND USING ENTIRE BODY WEIGHT ON THE END OF THE WRENCH UNTIL THE NUT STOPS ROTATING. USE A MINIMUM OF TWO SEPARATE PASSES OF TIGHTENING. SEQUENCE THE TIGHTENING IN EACH PASS SO THAT THE NUT ON THE OPPOSITE SIDE, TO THE EXTENT POSSIBLE, WILL BE SUBSEQUENTLY TIGHTENED UNTIL ALL OF THE NUTS IN THAT PASS HAVE BEEN TIGHTENED.

TIGHTEN BOTTOM NUTS TO SNUG TIGHT AS DESCRIBED FOR THE TOP NUTS.

MATCH-MARK THE BOTTOM NUTS AND TOP FLANGE OF SPREADER BEAM USING PAINT, CRAYON, OR OTHER APPROVED MEANS TO PROVIDE A REFERENCE FOR DETERMINING THE RELATIVE ROTATION OF THE NUT AND TOP FLANGE OF SPREADER BEAM DURING TIGHTENING. USING A STRIKING OR HYDRAULIC WRENCH, FURTHER TIGHTEN THE BOTTOM NUTS IN TWO PASSES AS LISTED BELOW, USE A SEQUENCE OF TIGHTENING IN EACH PASS SO THAT THE NUT ON THE OPPOSITE SIDE, TO THE EXTENT POSSIBLE, WILL BE SUBSEQUENTLY TIGHTENED UNTIL ALL NUTS IN THAT PASS HAVE BEEN TURNED. DO NOT ROTATE THE TOP NUTS WHILE TIGHTENING THE BOTTOM NUTS.

ANCHOR-BOLT SIZE

FIRST PASS I/6 TURN

SECOND PASS I/6 TURN

TOTAL ROTATION 1/3 TURN

LUBRICATE, PLACE AND TIGHTEN THE JAM NUTS TO SNUG TIGHT.

THE I 2" ANCHOR BOLTS SHALL BE ASTM F1554, GRADE 105 MATERIAL WITH A HOT-DIP GALVANIZED COATING. ANCHOR BOLT MATERIAL SHALL ALSO MEET THE SUPPLEMENTARY REQUIREMENTS OF PARAGRAPH S5 OF ASTM F1554. NUTS FOR ANCHOR BOLTS SHALL BE ASTM A 563, HEAVY-HEX, HOT-DIP GALVANIZED. FLAT CIRCULAR WASHERS SHALL BE ASTM F436, MECHANICALLY ZINC COATED.

STEEL WELDING SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE AWS SPECIFICATIONS DI.I. STRUCTURAL WELDING CODE--STEEL.

WELDING OF ANCHOR BOLTS SHALL NOT BE ALLOWED.

ANCHOR BOLTS SHALL BE PLUMB WITHIN 4 INCH PER FOOT FROM VERTICAL.

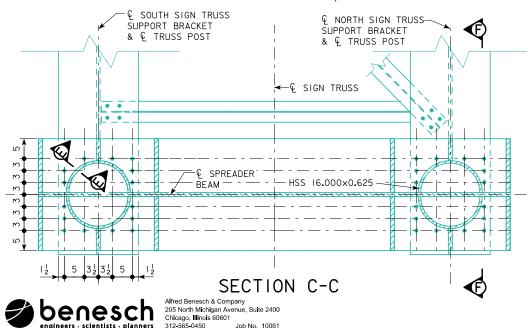
ANCHOR BOLTS SHALL PROJECT ABOVE TOP OF SUPPORT BRACKET ASSEMBLY WITHIN 4 INCH OF THE PLAN DIMENSION.

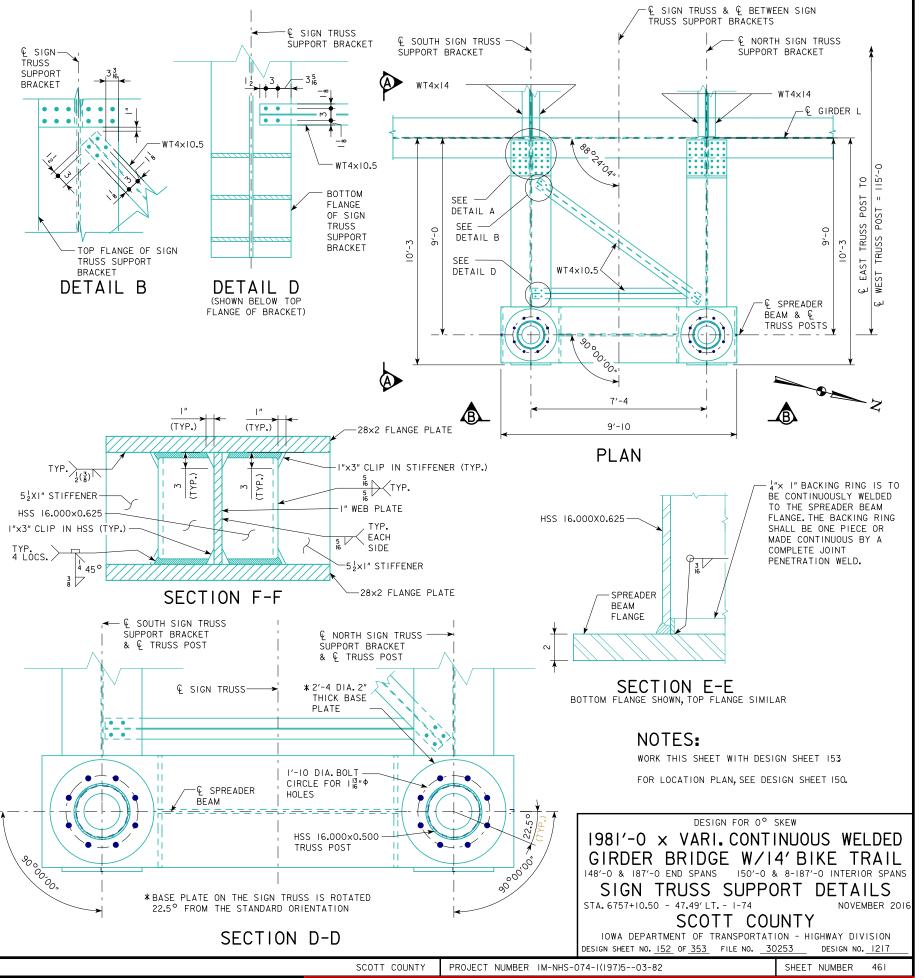
ANCHOR BOLTS SHALL BE PROTECTED AT THE DIRECTION OF THE ENGINEER.

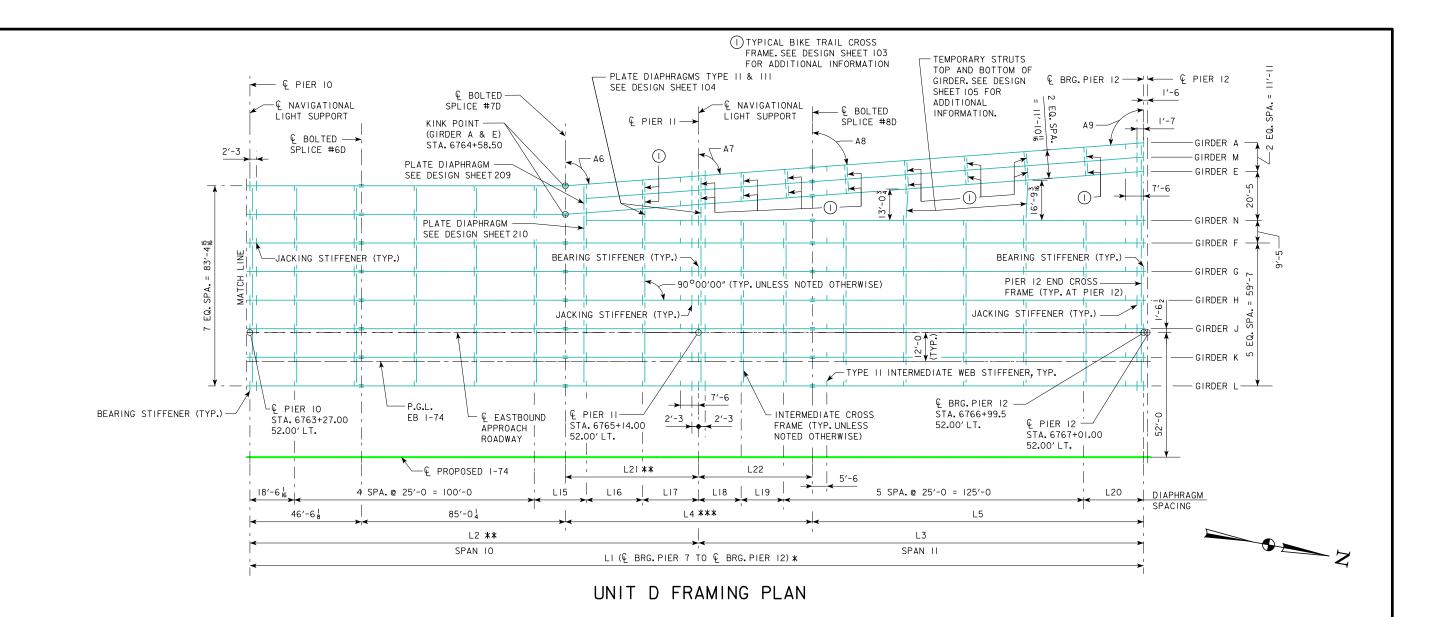
ALL FIELD CONNECTIONS ARE TO BE BOLTED USING HIGH STRENGTH FASTENERS UNLESS OTHERWISE NOTED, OPEN HOLES ARE TO BE 15" AND BOLTS ARE TO BE 7" A.

ALL NUTS DIRECTLY ABOVE AND BELOW THE SIGN TRUSS BASE PLATE SHALL BE PROVIDED IN THIS CONTRACT AND GIVEN TO THE STATE OF IOWA FOR STORAGE AND FUTURE USE. THESE NUTS, ALONG WITH THE SIGN TRUSS BASE PLATE, SHALL BE INSTALLED BY OTHERS IN A FUTURE CONTRACT.

HSS 16.000×0.625 SHALL MEET THE REQUIREMENTS OF ASTM A500, GRADE B.







GIRDER DATA																						
STREET BATA																						
GIRDER	LI	L2	L3	L4	L5	L6	L7	L8	L9	LIO	LII	LI2	LI3	LI4	LI5	LI6	LI7	LI8	LI9	L20	L2I	L22
А	932′-1015 18	87′-2%	186′-01	103'-3 1	138'-413	23′-6 8	24'-11 15	124'-1111	18′-53	18'-6 5	19'-63	25′-0	150′-0	17'-64	21'-97	23′-5 16	23′-5 16	17'-93	18'-21	25′-0	55′-8	47'-7
М	232'-118 46	6'-109	186′-01	94′-6 <sup>5</sup>	138'-413											23′-5 5	23′-5 <sup>5</sup> <sub>16</sub>	17'-9 1	18'-73	24′-78	46'-10 9	47'-711
E	932′-10 15 18	87′-2°	186′-01	103′-311	138'-413	23′-9 <sup>5</sup> <sub>16</sub>	24'-113	124'-103	18′-5 <sup>5</sup>	18'-47	19'-71	24'-11 3	149′-107	17′-6 8	21'-97	23′-5 16	23′-5 <sup>5</sup> <sub>16</sub>	17′-911	18'-117	24'-23	55′-8	47'-7 1
N	232'-111 4	16'-916	185′-61	94'-116	138′-0											23'-42	23'-4	17'-91	17′-9	25′-0	46′-7 3	47′-61
F	932′-215 18	87′-0 <sup>9</sup>	185′-61	103′-03	138′-0	23′-11 3	24'-11 9	124'-913	18′-52	18'-32	19'-8 1	24'-115	149'-93	17'-616	21′-9	23'-42	23'-43	17'-92	17′-9	25′-0	55′-64	47′-6 2
G	932′-215 18	87′-0 9 16	185′-62	103′-03	138′-0	24'-24	24'-117	124'-93	18′-5 <sup>3</sup>	18'-216	19'-913	24'-117	149′-85	17′-5 15	21′-9	23'-42	23′-43	17'-92	17′-9	25′-0	55′-6 4	47′-61
Н	932′-215 18	87′-0 <sup>9</sup>	185′-61	103'-03	138′-0	24'-4	24'-114	124'-8 4	18′-54	18'-0 <sup>5</sup>	19'-11	24'-115	149′-778	17'-57	21′-9	23'-42	23'-43	17′-91	17′-9	25′-0	55′-6 4	47′-61
J	932′-215 18	87′-0 <sup>9</sup>	185′-61	103′-03	138′-0	24'-7	24'-1116	124'-7 <sup>5</sup>	18′-5¦	17'-113	20′-0 8	24'-118	149′-63	17′-5¦3	21′-9	23'-42	23'-43	17′-9½	17′-9	25′-0	55′-64	47′-6 2
K	932′-215 18	87′-0 <sup>9</sup>	185′-61	103′-03	138′-0	24′-9 <sup>9</sup> 16	24'-107	124'-63	18′-5	17'-93	20′-1 <sup>5</sup>	24'-10 15	149′-58	17′-511	21′-9	23'-42	23′-43/4	17′-9¦	17′-9	25′-0	55′-6 4	47′-61
L	932′-215 18	87′-0 <sup>9</sup>	185′-61	103′-03	138′-0	25′-0	24'-10 1	124'-57	18'-47	17'-85	20'-27	24'-103	149'-41	17′-55	21′-9	23'-42	23'-43	17'-92	17′-9	25′-0	55′-64	47′-61

\* MEASURED FROM END OF GIRDER TO & BRG.PIER 12 FOR GIRDERS M AND N
\*\* MEASURED FROM END OF GIRDER TO & SPLICE 8D FOR GIRDERS M AND N
\*\*\* MEASURED FROM END OF GIRDER TO & SPLICE 8D FOR GIRDERS M AND N

benesch engineers - scientists - planners

Alfred Benesch & Company 205 North Michigan Avenue, Suite 2400 Chicago, Illinois 60601

SCOTT COUNTY

SCOTT COUNTY

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION
DESIGN SHEET NO. 192 OF 353 FILE NO. 30253 DESIGN NO. 1217

DESIGN FOR 0° SKEW

1981'-0 × VARI. CONTINUOUS WELDED

GIRDER BRIDGE W/14' BIKE TRAIL

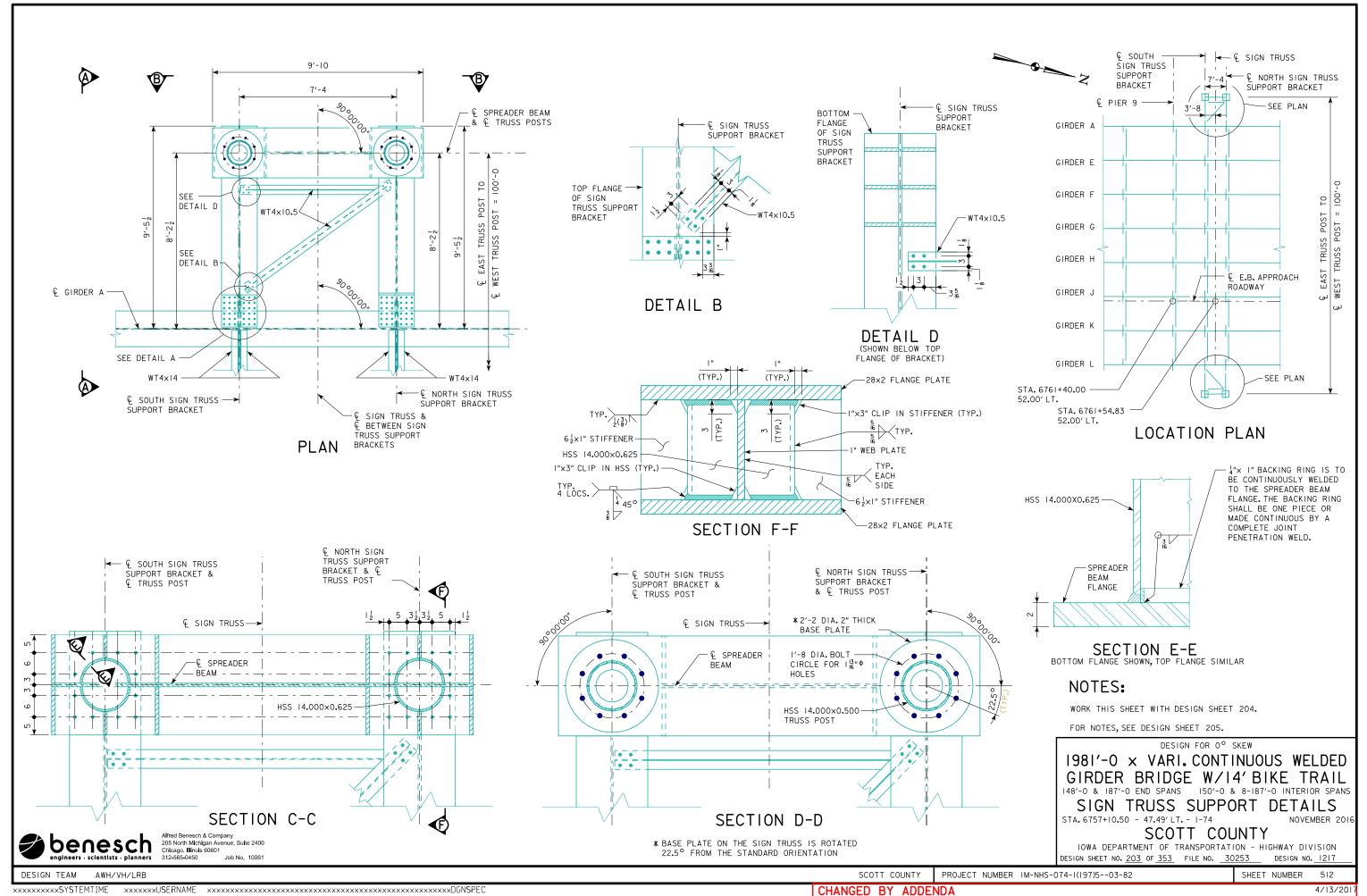
148'-0 & 187'-0 END SPANS 150'-0 & 8-187'-0 INTERIOR SPANS

FRAMING PLAN (UNIT D)

NOVEMBER 2016

COUNTY | PROJECT NUMBER IM-NHS-074-I(197)5--03-82 | SHEET NUMBER | 501

STA. 6757+10.50 - 47.49' LT. - 1-74



### NOTES:

ALL TIGHTENING OF THE NUTS IS TO BE DONE IN THE PRESENCE OF THE INSPECTOR.

PROPERLY SIZED WRENCHES DESIGNED FOR TIGHTENING NUTS AND/OR BOLTS SHALL BE USED TO AVOID ROUNDING OR OTHER DAMAGE TO THE NUTS. ADJUSTABLE END OR PIPE WRENCHES MAY NOT BE USED.

SPREADER BEAM, ANCHOR BOLTS AND NUTS ARE TO BE FREE OF ANY DIRT OR DEBRIS.

APPLY STICK WAX OR BEES WAX TO THE THREADS AND BEARING SURFACES OF THE ANCHOR BOLT, NUTS, AND WASHERS.

TIGHTEN BOTTOM NUTS SO THEY FULLY CONTACT THE TOP FLANGE OF THE SPREADER BEAM, TIGHTEN TOP NUTS TO SNUG TIGHT CONDITION. SNUG TIGHT IS DEFINED AS THE FULL EFFORT OF ONE PERSON ON A WRENCH WITH A LENGTH EQUAL TO 14 TIMES THE BOLT DIAMETER BUT NOT LESS THAN 18 INCHES, APPLY FORCE AS CLOSE TO THE END OF THE WRENCH AS POSSIBLE, PULL FIRMLY BY LEANING BACK AND USING ENTIRE BODY WEIGHT ON THE END OF THE WRENCH UNTIL THE NUT STOPS ROTATING, USE A MINIMUM OF TWO SEPARATE PASSES OF TIGHTENING, SEQUENCE THE TIGHTENING IN EACH PASS SO THAT THE NUT ON THE OPPOSITE SIDE, TO THE EXTENT POSSIBLE, WILL BE SUBSEQUENTLY TIGHTENED UNTIL ALL OF THE NUTS IN THAT PASS HAVE BEEN TIGHTENED.

TIGHTEN BOTTOM NUTS TO SNUG TIGHT AS DESCRIBED FOR THE TOP NUTS.

MATCH-MARK THE BOTTOM NUTS AND TOP FLANGE OF SPREADER BEAM USING PAINT, CRAYON, OR OTHER APPROVED MEANS TO PROVIDE A REFERENCE FOR DETERMINING THE RELATIVE ROTATION OF THE NUT AND TOP FLANGE OF SPREADER BEAM DURING TIGHTENING, USING A STRIKING OR HYDRAULIC WRENCH, FURTHER TIGHTEN THE BOTTOM NUTS IN TWO PASSES AS LISTED BELOW. USE A SEQUENCE OF TIGHTENING IN EACH PASS SO THAT THE NUT ON THE OPPOSITE SIDE, TO THE EXTENT POSSIBLE, WILL BE SUBSEQUENTLY TIGHTENED UNTIL ALL NUTS IN THAT PASS HAVE BEEN TURNED, DO NOT ROTATE THE TOP NUTS WHILE TIGHTENING THE BOTTOM NUTS.

ANCHOR-BOLT SIZE

FIRST PASS I/6 TURN

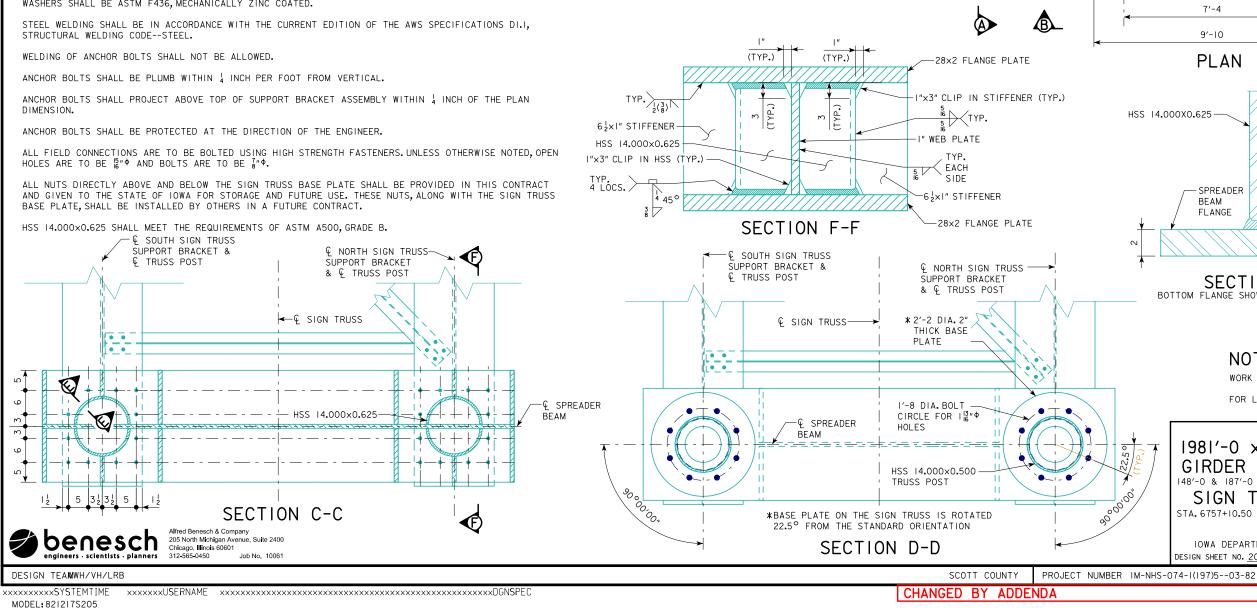
SECOND PASS I/6 TURN

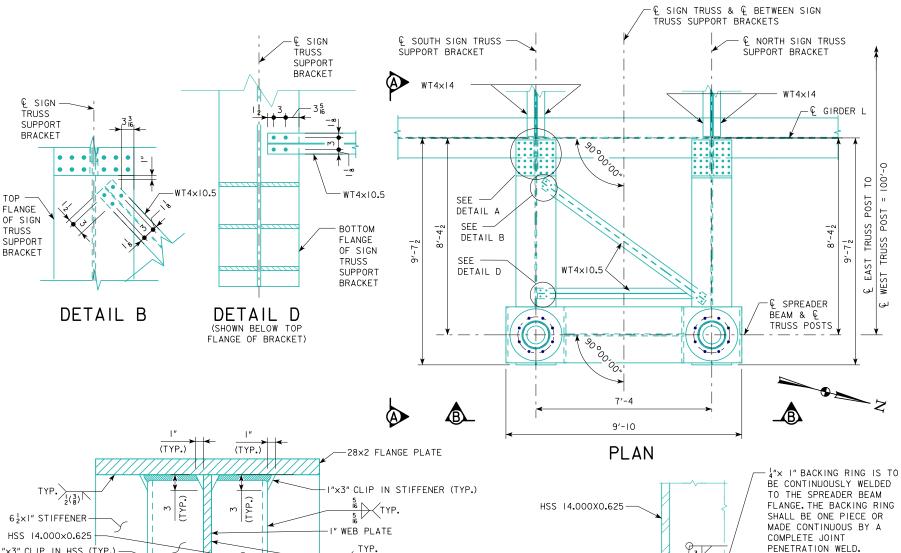
TOTAL ROTATION I/3 TURN

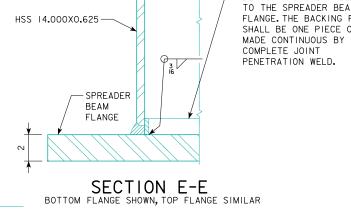
LUBRICATE, PLACE AND TIGHTEN THE JAM NUTS TO SNUG TIGHT.

THE  $1\frac{1}{2}$  ANCHOR BOLTS SHALL BE ASTM F1554, GRADE 105 MATERIAL WITH A HOT-DIP GALVANIZED COATING. ANCHOR BOLT MATERIAL SHALL ALSO MEET THE SUPPLEMENTARY REQUIREMENTS OF PARAGRAPH S5 OF ASTM F1554. NUTS FOR ANCHOR BOLTS SHALL BE ASTM A 563, HEAVY-HEX, HOT-DIP GALVANIZED. FLAT CIRCULAR WASHERS SHALL BE ASTM F436, MECHANICALLY ZINC COATED.

HOLES ARE TO BE 15" AND BOLTS ARE TO BE 7" A.







# NOTES:

WORK THIS SHEET WITH DESIGN SHEET 206.

FOR LOCATION PLAN, SEE DESIGN SHEET 203.

DESIGN FOR 0° SKEW

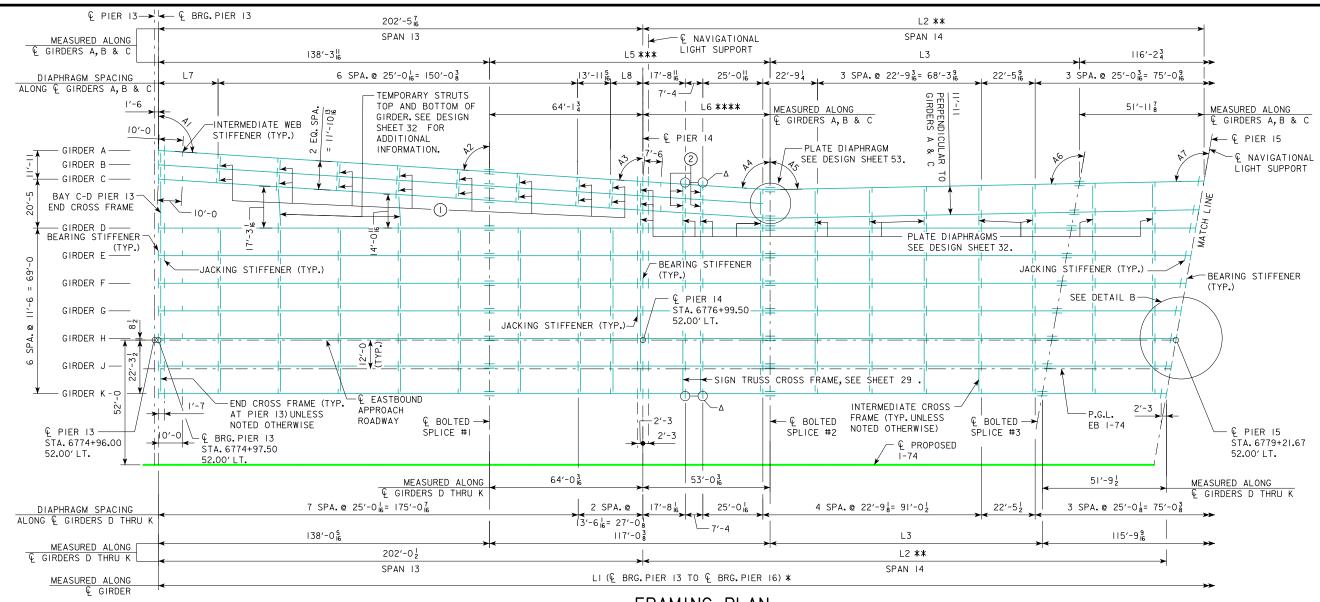
1981'-0 x VARI. CONTINUOUS WELDED GIRDER BRIDGE W/I4' BIKE TRAIL 148'-0 & 187'-0 END SPANS 150'-0 & 8-187'-0 INTERIOR SPANS

SIGN TRUSS SUPPORT DETAILS STA. 6757+10.50 - 47.49' LT. - 1-74

SCOTT COUNTY

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION DESIGN SHEET NO. 205 OF 353 FILE NO. 30253

4/13/201



## FRAMING PLAN

GIRDER DATA											
GIRDER	LI	L2	L3	L4	L5	L6	L7	L8			
А	639′-4 8	234′-015	128′-119	21'-10 4	117′-34	53′-12	25′-0 16	13'-5			
В	252′-6 l3	50′-13			114'-3	50′-13	24'-8 16	13'-9			
С	637′-213	231′-118	126'-104	19'-8 15	117′-3 4	53′-12	24'-4 16	14'-111			
D	634'-6 13	230′-5 8	125′-7 15	17'-713							
Е	632′-62	228′-5 <sup>5</sup> <sub>16</sub>	123′-7 8	15'-72							
F	630′-63	226′-5	121'-75	13'-73							
G	628′-5 13 16	224′-4 8	119′-6 15	11'-613							
Н	626′-5¦	222'-45	117'-65	9'-61							
J	624′-5 8	220′-3 15	115′-6 4	7′-6 8							
К	622'-43	218'-3 9	113′-57	5′-5¾							

\* MEASURED & BRG. PIER 13 TO END OF GIRDER FOR GIRDER B \*\* MEASURED & BRG. PIER 14 TO END OF GIRDER FOR GIRDER B \*\*\* MEASURED & BOLTED SPLICE I TO END OF GIRDER FOR GIRDER B

\*\*\*\* MEASURED & BRG. PIER 14 TO END OF GIRDER FOR GIRDER B

## NOTES:

WORK WITH SHEET 38.

INTERMEDIATE DIAPHRAGMS ARE PLACED 90°00'00" TO GIRDERS D-K AND EXTEND LINEARLY TO GIRDERS A, B, AND C EXCEPT AT BIKE TRAIL BETWEEN PIERS 13 AND 14 WHERE DIAPHRAGMS ARE PLACED 90°00'00" TO GIRDERS A AND C. ANGLE OF CROSS FRAMES TO GIRDERS VARIES FOR GIRDERS A, B, AND C.

ALL DIMENSIONS ARE MEASURED ALONG & GIRDERS AND ACCOUNT FOR THE VERTICAL COMPONENT DUE TO CHANGE IN ELEVATION IN ADDITION TO THE HORIZONTAL COMPONENT MEASURED IN PLAN.

SEE SHEETS 39 TO 49 FOR GIRDER DETAILS, SHEETS 27TO 31 FOR CROSS FRAME DETAILS, SHEET 33 FOR NAVIGATIONAL LIGHT SUPPORT DETAILS AND SHEET 53 FOR PLATE DIAPHRAGM DETAILS.

FOR ADDITIONAL NOTES, SHEAR STUD DETAILS AND FLANGE TO WEB DETAILS, SEE DESIGN SHEETS 27 AND 36.

Δ SEE DESIGN SHEET 50 FOR SPLICE PLATE DETAILS FOR FUTURE OVERHEAD DMS STRUCTURE.

(I) TYPICAL BIKE TRAIL CROSS FRAME, SEE DESIGN SHEET 31 FOR ADDITIONAL INFORMATION.

2) SIGN TRUSS BIKE TRAIL CROSS FRAME. SEE DESIGN SHEET 29 FOR ADDITIONAL INFORMATION.

DESIGN FOR VARIABLE SKEW (LA)

#### 1629'-2 × VARIES CONTINUOUS WELDED GIRDER BRIDGE W/14' BIKE TRAIL 2-203'-6 END SPANS 222'-2 INTERIOR SPAN

FRAMING PLAN (SEGMENT 5) NOVEMBER 2016

STA. 6778+10.58 52' LT. CL 1-74

SCOTT COUNTY

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION DESIGN SHEET NO. 37 OF 141 FILE NO. 30253

benesch Alfred Benesch & Company 205 North Michigan Avenue, Suite 2400 Chicago, Illinois 60601 JHG/JHG/AAY

SCOTT COUNTY

PROJECT NUMBER IM-NHS-074-I(197)5--03-82

SHEET NUMBER 807