A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: February 18, 2014
Date of Addendum: February 13, 2014

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
010	43-1912-007	BRIDGE REPLACEMENT - CCS	HARRISON	BRFN-191-2(7)--39-43	18FEB010.A04

Notice: Only the bid proposal holders receive this addendum and responsibility for notifying any potential subcontractors or suppliers remains with the proposal holder.

Make the following change to the PROPOSAL DETAILS, Page 2:

Change the CONTRACT PERIOD as follows:

Late Start Date
From: 04/14/14
To: 06/02/14

Working Days
From: 90 DAYS
To: 120 DAYS

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Add Proposal Line No. 0133 2104-2710020 EXCAVATION, CLASS 10, CHANNEL; 450.000 CY

Add Proposal Line No. 0134 2507-3250005 ENGINEERING FABRIC; 750.000 SY

Add Proposal Line No. 0135 2507-6800061 REVETMENT, CLASS E; 625.000 TON

Add Proposal Line No. 0136 2507-8029000 EROSION STONE; 70.000 TON

If the above changes are not made, they will be made as shown here.

Make the following change to the CONTRACTR DOCUMENTS:

Cross Section files are available to download for this project.
http://www.iowadot.gov/contracts/biddocuments/february2014.html

Make the following changes to the plan:

Plan Sheet C.4:

Replace Plan Sheet C.4with attached Plan Sheet C.4

Plan Sheet C.6:

Replace Plan Sheet C.6with attached Plan Sheet C.6

Plan Sheet C.9:

Replace Plan Sheet C.9with attached Plan Sheet C.9

Plan Sheet D.1:

Replace Plan Sheet D.1with attached Plan Sheet D.1

Plan Sheet D.2:

Replace Plan Sheet D.2with attached Plan Sheet D.2

Plan Sheet F.1:

Replace Plan Sheet F.1with attached Plan Sheet F.1

Plan Sheet T.1:

Replace Plan Sheet T.1with attached Plan Sheet T.1

Add attached plan sheet U.2 and U.3

111-25
10-18-11

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105-4
10-18-11

STANDARD ROAD PLANS

The following Standard Road Plans apply to construction work on this project.

Number	Date	Title
BA-200	10-18-11	Steel Beam Guardrail Components
BA-201	10-19-10	Steel Beam Guardrail Barrier Transition Section
BA-202	10-18-11	Steel Beam Guardrail Bolted End Anchor
BA-205	10-18-11	Steel Beam Guardrail End Terminal
BA-250	10-18-11	Steel Beam Guardrail Installation at Concrete Barrier or Bridge End Post
EC-101	04-20-10	Wood Excelsior Mat for Ditch Protection
EC-103	04-20-10	Wood Excelsior Mat for Slope Protection
EC-201	04-20-10	Silt Fence
EC-202	12-02-13	Floating Silt Curtain
EC-204	10-16-12	Perimeter and Slope Sediment Control Devices
EW-201	04-17-12	Bridge Berm Grading without Recoverable Slope (Barnroof Section)
EW-301	04-19-11	Guardrail Grading
EW-501	10-15-13	Rural Entrance
PM-110	04-16-13	Line Types
PV-101	10-15-13	Joints
RF-19C	10-16-12	Subdrains (Longitudinal)
RF-19E	10-16-12	Outlets for Longitudinal, Transverse and Backslope Subdrains
RF-30A	12-17-13	Culvert (Bedding and Backfill)
RF-30B	10-19-10	Pipe Culvert (Cover and Camber)
RF-30C	04-16-13	Pipe Culvert (Installation Details)
RF-32	10-19-10	Depth of Cover Tables for Corrugated Pipe
RF-40	10-15-13	Rock Flume for Bridge End Drain
RM-48	10-16-12	Temporary Floodlighting
SI-172	10-18-11	Delineators
SI-173	04-20-10	Object Markers
SI-211	10-19-10	Object Marker and Delineator Placement with Guardrail
TC-1	04-16-13	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-202	10-15-13	Shoulder Closure (One Lane)
TC-213	04-17-12	Lane Closure with Flaggers

102-5
10-16-12

EXISTING PAVEMENT

No.	Location					Year	Type	Project Number	Surface		Base		Subbase		Removal		Coarse Aggregate			Reinforcement	Remarks
	County	Route	Dir. of Travel	Begin Milepost	End Milepost				Type	Depth IN	Type	Depth IN	Type	Depth IN	Type	Depth IN	Source	Type	Durability Class	Type	
43	Harrison	IA 191	1	20.1	27.15	1955		F-459(3)	PCC	8							SACTON	GRAVEL	3		

Design No. 0313
File No. 30744

ENGLISH | IOWA DOT | DESIGN TEAM Skogerboe/Schoenrock/Larson | Harrison COUNTY | PROJECT NUMBER BRFN-191-2(7)--39-43 | SHEET NUMBER C.4

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112-6
04-16-13

BRIDGE APPROACH SECTION

Refer to the RK-Series.

* Not a bid item

Location				Approach Pavement						Subdrain								
Bridge Station	End	Skew Ahead Degrees LEFT	Skew Ahead Degrees RIGHT	(T) Thickness	Pay Length	Non-Reinf. Pavement Area	Single-Reinf. Pavement Area	Double-Reinf. Pavement Area	Fixed or Movable Abutment	* Perforated Subdrain 4"	* Subdrain Outlet		* Porous Backfill	Class 'A'* Crushed Stone Backfill	* Modified Subbase	* Polymer Grid	Remarks
				Inches	FT	SY	SY	SY	F or M	LF	STA	Side	CY	CY	TON	SY	
427+94.00	SW	0		12.0	71.8	93.3	91.1	99.1	(1)	56.5	426+64	L	1.6		202.000	283.9	(1) Refer to bridge sheets
427+94.00	NE	0		12.0	71.8	93.3	91.1	99.1	(1)	56.5	429+24	L	1.6		202.000	283.9	(1) Refer to bridge sheets

107-23
10-18-11

GRADING FOR GUARDRAIL INSTALLATIONS

(1) Lane(s) to which the installation is adjacent.

Refer to EW-301

Location					Dimensions (Feet)									Earthwork		
No.	(1) Direction of Traffic	Station	Side	Foreslope at Guardrail	(X1)	(Y1)	(X2)	(Y2)	(X3)	(Y3)	(X4)	(Y4)	(Z)	Excavation Class 10	Embankment In Place	Remarks
														CY	CY	
1	N	427+18.50	SE	4:1	40.0	5.0	55.0	6.3	66.2	6.3	116.5	8.2	50.0		*	* included in template quantities
2	N	428+69.50	NE	4:1	40.0	5.0					92.0	7.0	47.0		*	
3	S	428+69.50	NW	6:1	40.0	5.0	55.0	6.3	79.0	6.3	130.0	8.2	50.0		*	
4	S	427+18.50	SW	6:1	40.0	5.0					92.0	7.0	47.0		*	

108-8A
10-19-10

STEEL BEAM GUARDRAIL AT CONCRETE BARRIER OR BRIDGE END POST

Refer to BA-200, BA-201, BA-202, BA-205, BA-250, SI-172, SI-173 and SI-211.

(1) See Standards for list of materials.

Location Station			Layout Lengths				Delineators and Object Markers					Bid Items (1)						Remarks
			(VT1)	(VF)	(VT2)	(ET)	Type	Delineator Type 1	Type 2	Object Marker Type 3		End Anchor Bolted	Barrier Transition Section	Steel Beam Guardrail	End Terminal Standard	End Terminal Flared for Cable Connection	Adapter	
						Terminal		White		OM-3L	OM-3R	BA-202	BA-201	BA-200	BA-205	BA-206	BA-210	
No.	Station	Offset	LF	LF	LF	LF		No.	No.	No.	No.	Type	No.	LF	No.	No.	No.	
	427+18.50	22	40.625			50.0	3			1		A	1	0.0	1	0	0	
	428+69.50	22	40.625	12.50	25.00	50.0	3				1	A	1	37.5	1	0	0	
	427+18.50	22	40.625	12.50	12.50	50.0	3				1	A	1	25.0	1	0	0	
	428+69.50	22	40.625			50.0	3			1		A	1	0.0	1	0	0	

100-28
10-19-10

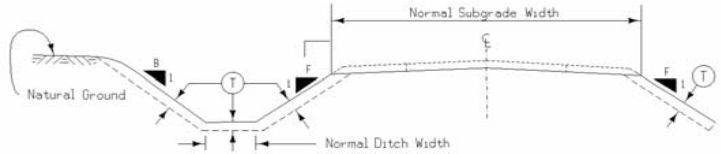
LONGITUDINAL GROOVING

Location	Total	Remarks
	SY	
426+62.50	116.7	Approach
427+02.50	82.2	Approach
Bridge	584.0	
428+85.50	82.2	Approach
429+35.50	116.7	Approach

Design No. 0313
File No. 30744

103-4
04-19-11

TABULATION OF SPREADING TOPSOIL



Perform this work according to Section 2105. Prior to placing topsoil on any cohesive soil, scarify the area to be covered to a minimum depth of 3 inches.

Appropriate adjustments have been made in the template quantities to reflect the placement of topsoil on foreslope, backslope and ditch bottom as detailed hereon.

Placement Description								Topsoil Excavation Available From			
Area	Quantity	Location		Side	Slope	T	Remarks	Amount Reserved	Station to Station		Remarks
No.	CY	Station to Station		L. or R.	B. or F.	IN		CY			
1	699.0	423+65	427+20	L	F+B	8.0		1049.0	423+65	427+20	
2	803.0	428+67	432+65	L	F+B	8.0		1204.0	428+67	432+65	
3	136.0	425+00	427+00	R	F+B	8.0		204.0	425+00	427+00	
4	92.0	428+75	430+75	R	F+B	8.0		139.0	428+75	430+75	

252-1
10-16-12

TEMPORARY CROSSINGS AND DETOURS

Blading, shaping, and other work in preparation for maintaining temporary crossings or detours is incidental to other work. Furnish and spread additional granular surfacing needed for temporary crossings or detours during construction at the contract price.

281-1
10-15-13

SECTION 404 PERMIT AND CONDITIONS

Construct this project according to the requirements of U.S. Army Corps of Engineers NWP 14, Permit No. 2013-1083. A copy of this permit is available from the Iowa DOT website (http://envpermits.iowadot.gov/CMEPortalENV/Home.aspx). The U.S. Army Corps of Engineers reserves the right to visit the site without prior notice.

232-3A
Modified

EROSION CONTROL (RURAL SEEDING)

Following the completion of work in a disturbed area, place seed, fertilizer, and mulch on the disturbed area lying 8 feet adjacent to shoulder and median as follows:

Use seed mix and fertilizer meeting the requirements of Section 2601.03,C,3 of the Standard Specifications.

Use mulch meeting the requirements of Sections 2601.03,E,2,a and 4169.07,A of the Standard Specifications.

Preparing the seedbed and furnishing and applying seed, fertilizer, and mulch is incidental to mobilization and will not be paid for separately.

232-10
Modified

EMERALD ASH BORER

Dispose of all wood material generated as a result of clearing and/or grubbing according to the Iowa Department of Agriculture and Land Stewardship's Emerald Ash Borer (EAB) Quarantine Order. For more information refer to http://www.iowatreepests.com/eab_regulations.html.

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Design No. 0313
File No. 30744

SURVEY SYMBOLS

- S Soil Sampling Site (Wetlands)
- D Centerline Draw or Stream (Down)
- GDL Guard Rail Steel
- RET Retaining Walls
- BNK Stream Bank
- EW Edge of Water
- EG Edge of Gravel Road
- ENU Edge Unpaved Entrance & Parking
- SNP Unpaved Shoulder
- ENT Centerline BL of Entrance
- RR Centerline of Railroad Tracks
- DU Centerline Draw or Stream (Up)
- RIP Rip-Rap
- FW Wire Fence
- SIGN SI Sign
- MM MM Mile Marker Post
- TDC Tree Deciduous
- TEV Evergreen Tree

UTILITY LEGEND

- PPA Power Pole Co. 1
- T1 TLA Underground Telephone Line Co. 1
- W WLA Underground Water Line Co. 1
- TP TPD Telephone Pedestal
- WV WV Water Valve

UTILITY SYMBOLS

- Mid America Power
- T1 - Windstream Communications
- W - Regional Water Company

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design	Color No.		
Green	(2)		Existing Topographic Features and Labels	09-43-191-010
Blue	(1)		Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation	
Magenta	(5)		Existing Utilities	BRFN-191-2(7)--39-43

SHADING	Design	Color No.		
Yellow	(4)		Highlight for Critical Notes or Features	STPN-191-2(8)--2J--43
Red	(3)		Delineates Restricted Areas	STPN-191-2(8)--2J--43
Lavender	(9)		Temporary Pavement Shading	STPN-191-2(8)--2J--43
Gray, Light	(48)		Proposed Pavement Shading	
Gray, Med	(80)		Proposed Granular Shading	
Gray, Dark	(112)		Proposed Grade and Pave Shading	
Brown, Light	(236)		Grading Shading	
Tan	(8)		Proposed Sidewalk Shading	
Blue, Light	(230)		Proposed Sidewalk Landing Shading	
Pink	(11)		Proposed Sidewalk Ramp Shading	

PROFILE VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design	Color No.	
Green	(2)		Existing Ground Line Profile
Blue	(1)		Proposed Profile and Annotation
Magenta	(5)		Existing Utilities
Blue, Light	(230)		Proposed Ditch Grades, Left
Black	(0)		Proposed Ditch Grades, Median
Rust	(14)		Proposed Ditch Grades, Right

- Reference Point
- Station
- Survey Line
- Section Corner
- Ground Line Intercept
- Saw Cut
- Guardrail
- Clearing & Grubbing Area
- Pavement Removal

RIGHT-OF-WAY LEGEND

- Proposed Right-of-Way
- Existing and Proposed Right-of-Way
- Easement and Existing Right-of-Way
- Borrow
- Easement (Temporary)
- Easement
- Excess
- A/C Access Control

Design No. 313
File No. 30744

PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

(COVERS SHEET SERIES D, E, F, & K)

ENGLISH	IOWA DOT	DESIGN TEAM Skogerboe\Schoenrock\Larson	HARRISON COUNTY	PROJECT NUMBER BRFN-191-2(7)--39-43	SHEET NUMBER D.1

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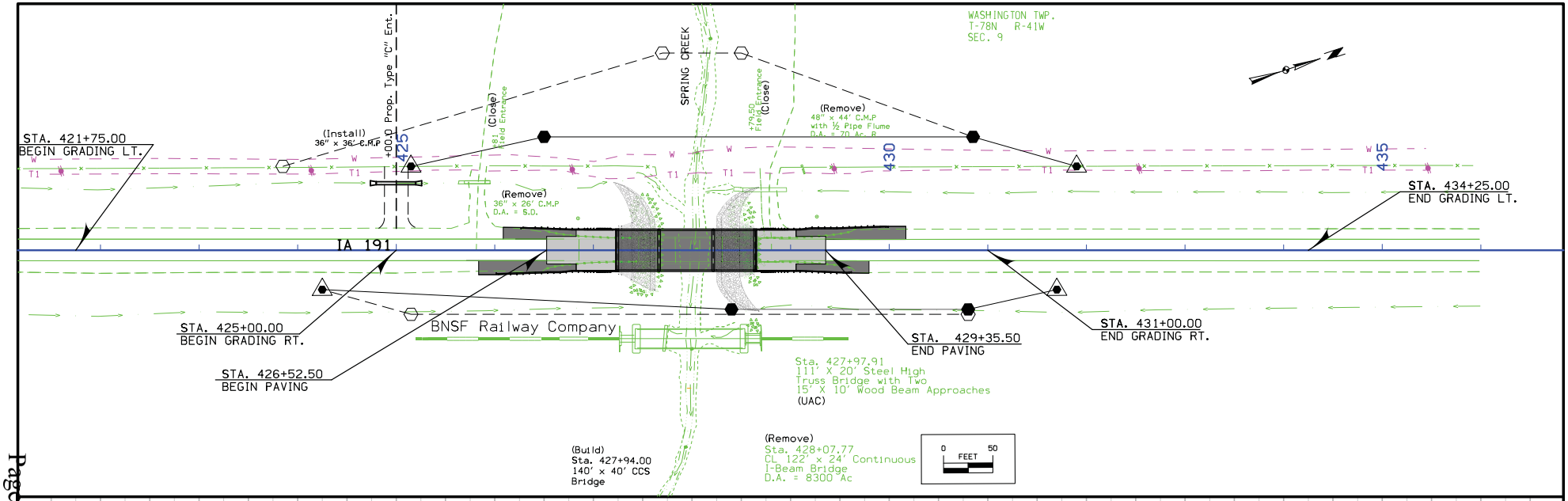

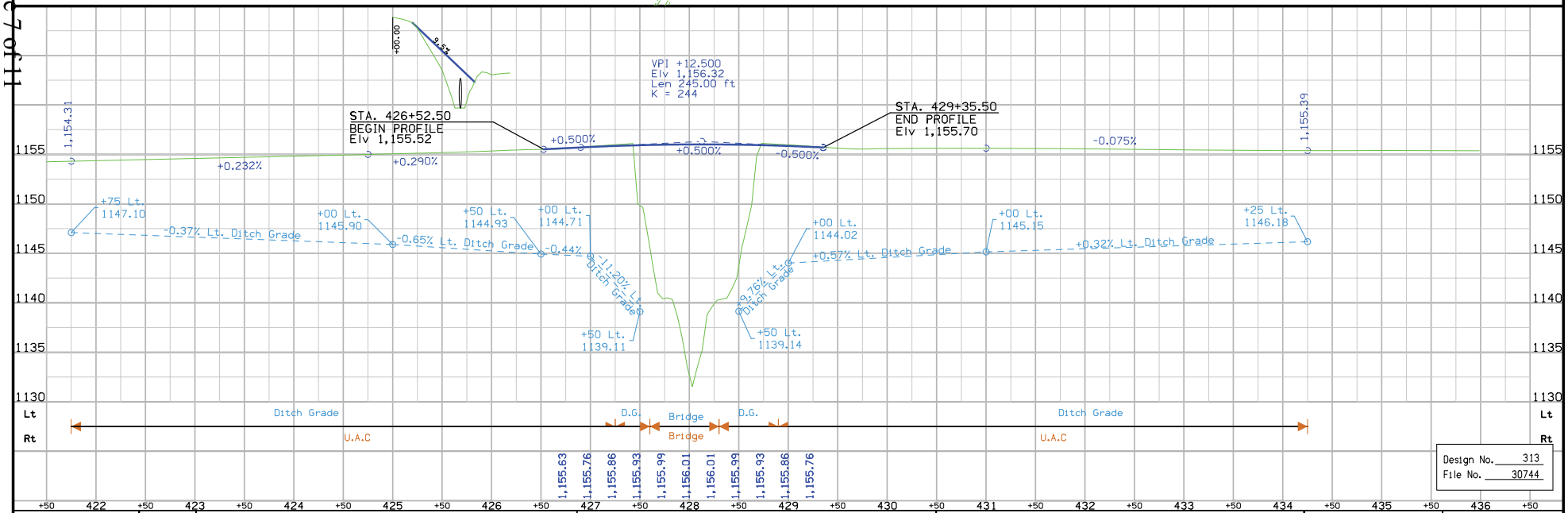

C	ENGLISH	IOWA DOT	DESIGN TEAM Skogerboe\Schoenrock\Larson	HARRISON COUNTY	PROJECT NUMBER BRFN-191-2(7)--39-43	SHEET NUMBER D.2

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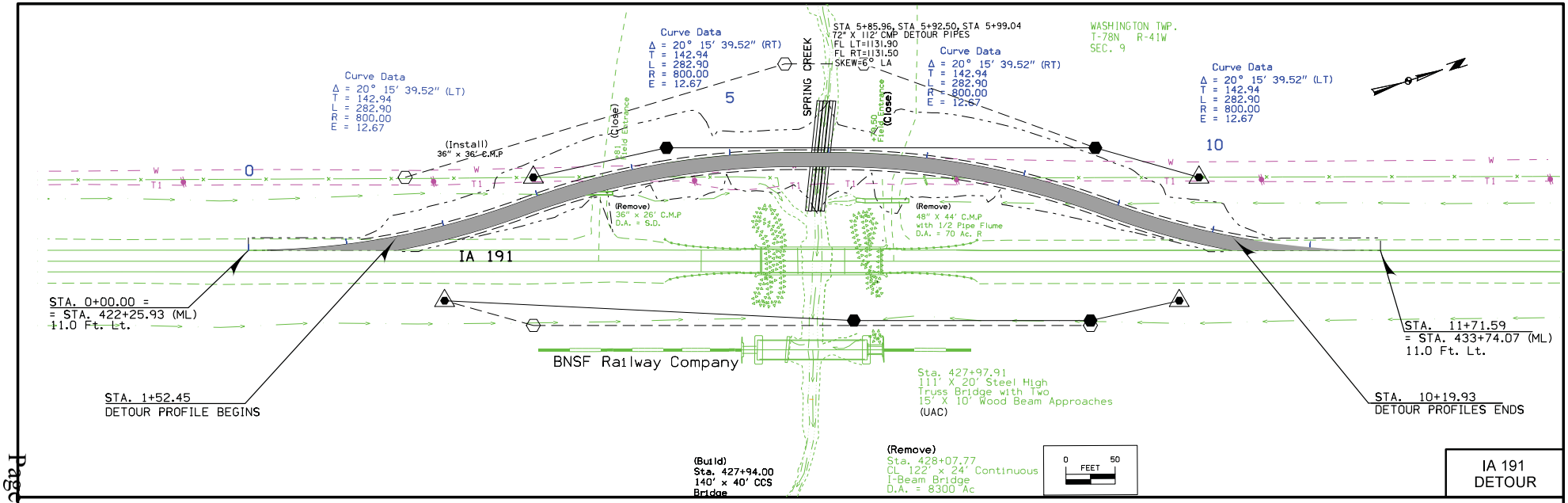

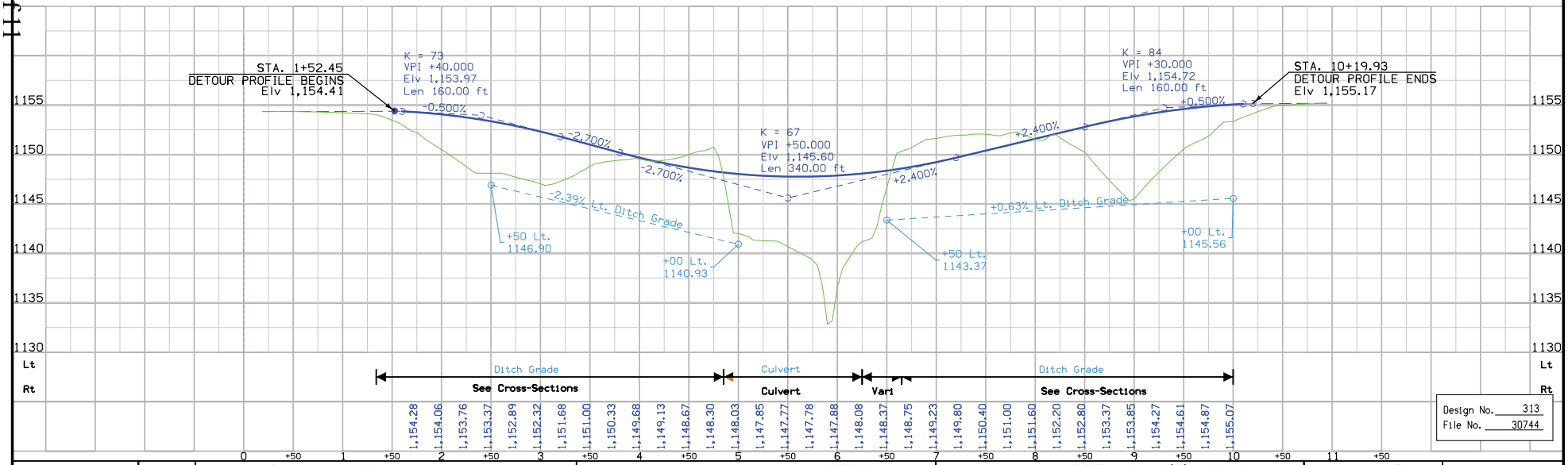

C	ENGLISH	IOWA DOT	DESIGN TEAM Skogerboe\Schoenrock\Larson	HARRISON COUNTY	PROJECT NUMBER BRFN-191-2(7)--39-43	SHEET NUMBER F.1

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TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

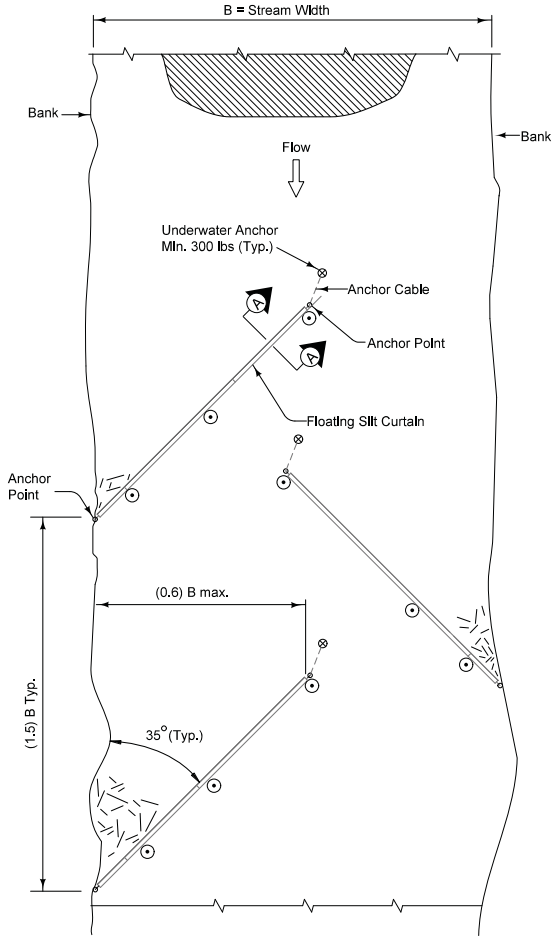
Refer to Standard Plan EW-101 and RL-1B.

STATION	TOTAL CUT	TOPSOIL TYPE B SAVED -C	UNSUIT TYPE B CUT	CLASS 10 SUITABLE CUT	ADJUSTED CLASS 10 TOTAL	EMBANKMENT IN PLACE	FILL PLACED WITH DETOUR	ADJUSTED EMBANKMENT IN PLACE
421+50.00	50	38	4	8	12	17		17
422+00.00	53	40	4	9	13	24		24
422+25.00	55	43	3	9	12	33		33
422+50.00	55	43	3	9	12	32		32
422+75.00	54	43	2	9	11	33		33
423+00.00	55	44	2	9	11	32		32
423+25.00	57	45	3	9	12	30		30
423+50.00	59	46	5	8	13	33		33
423+75.00	62	21	33	8	41	35		35
424+00.00	65	17	40	8	48	38	-38	0
424+25.00	69	11	49	9	58	40	-40	0
424+50.00	73	2	61	10	71	37	-37	0
424+75.00	88	10	65	13	78	41	-33	8
425+00.00	108	24	66	18	84	43	-25	18
425+25.00	122	31	73	18	91	41	-12	29
425+50.00	172	41	112	19	131	25		25
425+75.00	78	14	57	7	64	6		6
425+83.66	128	30	86	12	98	22		22
426+00.00	54	20	27	7	34	21		21
426+08.46	106	43	51	12	63	57		57
426+25.00	158	63	78	17	95	101		101
426+50.00	20	6	9	5	14	11		11
426+52.50	209	47	97	65	162	104		104
426+75.00	75	16	34	25	59	36		36
426+82.50	179	45	65	69	134	72		72
427+00.00	126	31	35	60	95	41		41
427+22.50								0
427+25.00	8	4	4		4	6		6
428+65.50	167	36	113	18	131	71		71
428+75.00	436	69	275	92	367	103		103
429+00.00	81	14	46	21	67	28		28
429+05.50	280	52	166	62	228	101		101
429+25.00	144	31	86	27	113	52		52
429+35.50	184	43	116	25	141	73		73
429+50.00	294	73	202	19	221	136		136
429+75.00	52	14	35	3	38	24		24
429+79.43	240	56	169	15	184	104		104
430+00.00	189	37	141	11	152	73	-15	58
430+16.87	2	1	1		1	1	0	1
430+17.04	73	8	60	5	65	21	-8	13
430+25.00	173	19	143	11	154	47	-21	26
430+43.73	59	7	48	4	52	15	-9	6
430+50.00	230	24	190	16	206	59	-41	18
430+75.00	215	18	186	11	197	63	-51	12
431+00.00	188	12	169	7	176	56	-48	8
431+25.00	147	9	131	7	138	35	-33	2
431+50.00	106	12	86	8	94	18		18
431+75.00	69	6	50	13	63	6		6
432+00.00	48	4		16	44			0
432+25.00	48	18		17	30			0
432+50.00	46	31		15	15			0
432+75.00	42	32		10	10			0
433+00.00	44	32		12	12			0
433+25.00	46	32		14	14			0
433+50.00	44	32		12	12			0
433+75.00	43	32		11	11			0
434+00.00	40	31		9	9			0
434+25.00								0
	6068	1603	3481	943	4465	2097	-411	1686
DETOUR								
0+25.00	5			5	5			
0+50.00								

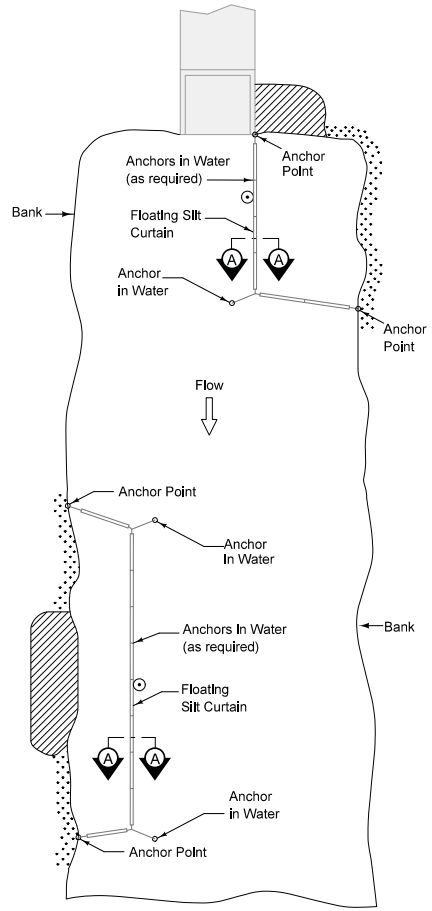
STATION	TOTAL CUT	TOPSOIL TYPE B SAVED -C	UNSUIT TYPE B CUT	CLASS 10 SUITABLE CUT	ADJUSTED CLASS 10 TOTAL	EMBANKMENT IN PLACE
0+50.00	5			5	5	
0+75.00	4			4	4	
1+00.00	6	3		3	3	3
1+25.00	17	15		2	2	22
1+50.00	2	2				4
1+52.45	25	24		1	1	50
1+75.00	33	32		1	1	88
2+00.00	38	38				124
2+25.00	42	42				152
2+50.00	51	50	1		1	178
2+75.00	18	18	1	-1		59
2+82.90	43	38	5		5	120
3+00.00	74	56	18		18	147
3+25.00	26	18	9	-1	8	37
3+32.90	65	38	27		27	59
3+50.00	105	57	48		48	56
3+75.00	127	62	65		65	40
4+00.00	158	66	93	-1	92	15
4+25.00	206	72	133	1	134	
4+50.00	255	74	180	1	181	
4+75.00	163	64	99		99	121
5+00.00	57	57				266
5+25.00	61	61				292
5+50.00	37	37				186
5+65.79	22	22				122
5+75.00	38	38				230
5+85.96	28	28				234
5+92.50	28	28				238
5+99.04	4	4				26
6+00.00	19	19				128
6+05.79	50	50				283
6+25.00	80	60	20		20	159
6+50.00	241	79	162		162	19
6+75.00	348	85	262	1	263	
7+00.00	300	76	224		224	
7+25.00	254	72	182		182	
7+50.00	206	68	138		138	4
7+75.00	173	69	104		104	33
8+00.00	153	68	85		85	81
8+25.00	78	36	42		42	63
8+38.69	60	29	31		31	63
8+50.00	118	62	56		56	170
8+75.00	56	33	23		23	108
8+88.69	39	27	12		12	92
9+00.00	66	54	12		12	197
9+25.00	29	28	1		1	104
9+38.69	21	21				78
9+50.00	42	41		1	1	138
9+75.00	40	39		1	1	95
10+00.00	24	23		1	1	40
10+19.93	4	4				5
10+25.00	14	11		3	3	16
10+50.00	10	7		3	3	7
10+75.00	8	3		5	5	3
11+00.00	5	1		4	4	
11+25.00	5	1		4	4	
11+50.00	5	1	-1	5	4	
11+71.58						
	4191	2111	2032	48	2080	4755

Design No. 313
File No. 30744

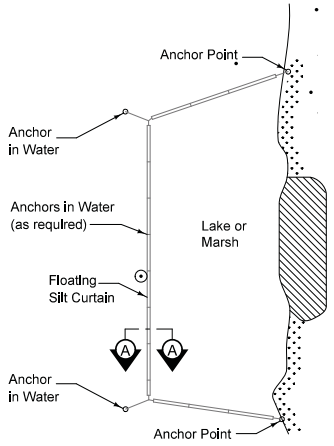
ENGLISH	IOWA DOT	Design Team Skogerboe\Schoenrock\Larson	HARRISON COUNTY	Project Number BRF-191-2(7)--38-43	Sheet Number T.1



PLAN
Disturbed Area within Stream



PLAN
Disturbed Area Adjacent
to Stream



PLAN
Still Water Only

Keep silt curtain as close to work area as possible.

Depth of curtain is the dimension of the curtain fabric extending below the flotation, i.e. hanging in the water.

Install according to Hanging Installation unless specified otherwise.

Possible Tabulation:
100-10

Possible Contract Items:
Clean-out of Floating Silt Curtain (Containment)
Floating Silt Curtain (Containment)
Floating Silt Curtain (Hanging)
Maintenance of Floating Silt Curtain

LEGEND
- Carrier Float
- Buoy
- Undisturbed Vegetation
- Disturbed Soil

INTERIM	REVISION	
	5	12-02-13
STANDARD ROAD PLAN	EC-202	
	SHEET 1 of 2	

REVISIONS: Removed 100' typical spacing between anchors on page 2. Added possible contract item. Removed sections of standard notes and circle note 1.

Brian Smith
APPROVED BY DESIGN METHODS ENGINEER

FLOATING SILT CURTAIN

Design No. 313
File No. 30744

ENGLISH	IOWA DOT	DESIGN TEAM Skogerboe\Schoenrock\Larson	HARRISON COUNTY	PROJECT NUMBER BRFN-191-2(7)--39-43	SHEET NUMBER U.2

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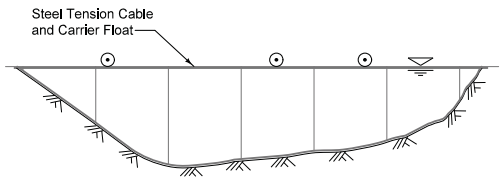
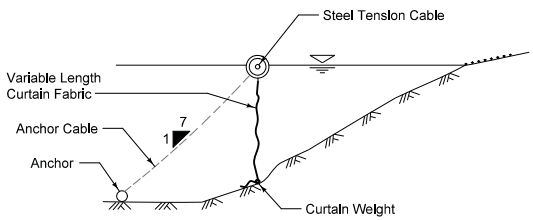
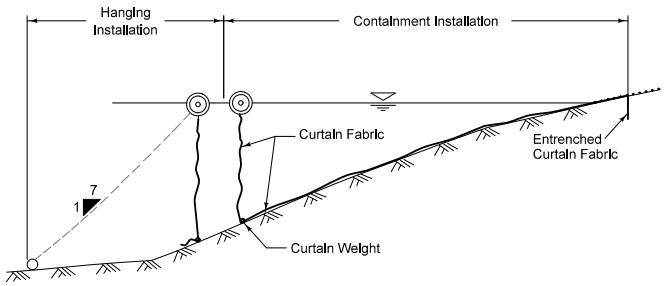


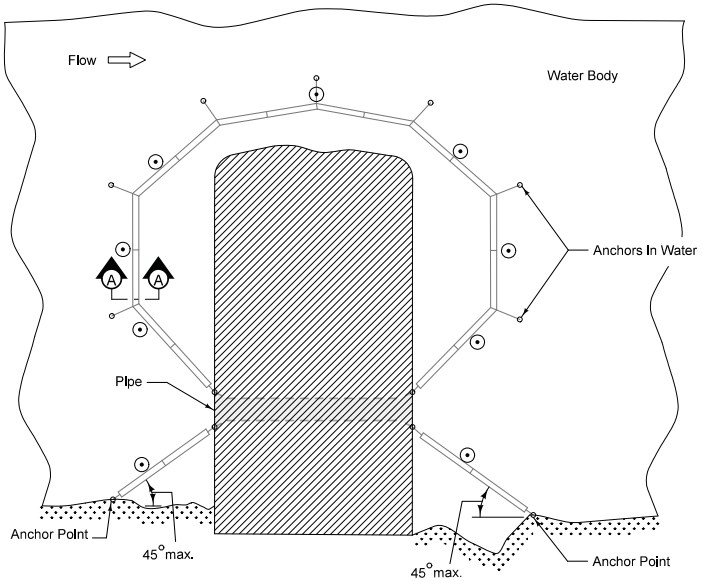
PROFILE



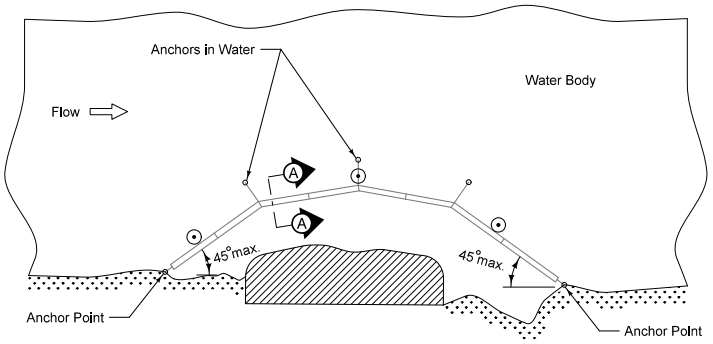
SECTION A-A
Hanging Installation



SECTION A-A
Containment Installation (1)



PLAN
Stream Crossing or Causeway
(with pipe)



PLAN
Causeway or Pad

LEGEND

- Carrier Float
- Buoy
- Undisturbed Vegetation
- Disturbed Soil
- Water Surface

(1) When Containment Installation is specified, it will be in combination with a Hanging Installation that is paid for separately.

Design No. 313
File No. 30744

INTERIM

STANDARD ROAD PLAN

REVISION	
5	12-02-13

EC-202

SHEET 2 of 2

REVISIONS: Removed 100' typical spacing between anchors on page 2. Added possible contract Item. Removed sections of standard notes and circle note 1.

Brian Smith
APPROVED BY DESIGN METHODS ENGINEER

FLOATING SILT CURTAIN

ENGLISH	IOWA DOT	DESIGN TEAM Skogerboe\Schoenrock\Larson	HARRISON COUNTY	PROJECT NUMBER BRFN-191-2(7)--39-43	SHEET NUMBER U.3

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