

The Board of Supervisors met on 10/17/23 at 10:00 a.m. in the Story County Administration Building. Latifah Faisal, Linda Murken, and Lisa Heddens, with Faisal presiding. (all audio of meetings available at storycountyiowa.gov; any resolution is effective upon signature and can be inspected M-F, 8-4:30, at 900 6th Street, Nevada, Iowa)

ADOPTION OF AGENDA: Murken moved, Heddens seconded adopting the agenda. Motion carried unanimously (MCU) on a roll call vote.

PROCLAMATION RECOGNIZING OCTOBER 2023 AS WATERSHED AWARENESS MONTH: The Board members read the proclamation in full. Murken moved, Heddens seconded the approval of the Proclamation Recognizing October 2023 as Watershed Awareness Month. Roll call vote. (MCU)

MINUTES: 10/10/23 Minutes – Heddens moved, Murken seconded approving the 10/10/23 Minutes as presented. Roll call vote. (MCU)

PERSONNEL ACTIONS: 1) transfer, effective 10/22/23, in a) Attorney's Office for Maegan Camp @ \$23.89/hr. Murken moved, Heddens seconded approving the Personnel Actions as presented. Roll call vote. (MCU)
Heddens moved, Murken seconded the approval of Consent Agenda as listed.

1. Final Design Plans for HMA Resurfacing on R61 (Hillcrest Drive) from E18 (130th Street) north 0.9 miles to Story City corporate limits (FM-C085(181)--55-85)
2. Final Design Plans for HMA Resurfacing on S14 (620th Avenue) from City of Nevada corporate limits south 9.6 miles to the Polk County line (340th Street) (FM-C085(179)--55-85)
3. American Rescue Plan Act (ARPA) Compliance Report for the quarter ending 9/30/23
4. License Fees between Story County and Online Solutions LLC for annual software licensing and support, effective 9/15/23-9/14/24, for \$25,200.00
5. Final Design Plans for RCB Culvert New - Single Box on 170th Street over unnamed field drainage in Section 8 of T84N-R22W (Richland Township) (FM-C085(180)--55-85)
6. Final Design Plans for Bridge Replacement on 535th Avenue over Ballard Creek in Section 15 of T82N-R24W (Palestine Township) (L-P15E--73-85)

Roll call vote. (MCU)

JUSTICE CENTER GENERATOR REPAIRS, PROPOSED COST OF \$51,839.48 (UNBUDGETED): Joby Brogden, Facilities Management Director, reported on the need for additional funds to replace both generators and the associated voltage regulator and controller. The existing machinery is too old (20 years) to be compatible with replacement components and need to be replaced as a package. Brogden reviewed two (2) proposals received, one from Altorfer Power Systems and one from Ziegler Power Systems. He recommends the proposal from Ziegler for \$25,919.74 per generator, for a total cost of \$51,839.48. He stated the project may require a budget amendment or the department may have funds available; he will know closer to the end of the fiscal year. Murken moved, Heddens seconded the approval of the Justice Center Generator Repairs from Ziegler Power Systems for \$51,839.48. Roll call vote. (MCU)

UPCOMING AGENDA ITEMS: Linda reported information from the State is forthcoming about the Office of the Chief Information Officer (OCIO) broadband grant applications.

LIAISON ASSIGNMENTS, COMMITTEE MEETINGS UPDATES, AND ANNOUNCEMENTS FROM THE SUPERVISORS: All Board members reported on upcoming items.

Heddens moved, Murken seconded to adjourn at 10:18 a.m. Roll call vote. (MCU)

Story County Board of Supervisors
Tentative Agenda
Administration Building
900 6th St., Nevada, IA
10/17/23

1. SPECIAL NOTE TO THE PUBLIC: This Meeting Is Also Being Offered Via Zoom. While Joining Via Zoom, If You Have A Question And/Or Comment, You May Raise Your Hand To Speak During Public Forum Or Use The Chat Feature And The Chair Will Ask The Zoom Moderator To Review All Comments During Public Forum.

Members of the public can participate by using the information below:

To join the zoom meeting by computer, tablet, smartphone:

Join from a PC, Mac, iPad, iPhone or Android device:

Please click the link below to join the webinar:

[HTTPS://US02WEB.ZOOM.US/J/88636935542?
PWD=L2HNYVRKBKZVMGZNULRITYZB5M285ZZ09](https://us02web.zoom.us/j/88636935542?pwd=L2hNYVRkYkZVMGZnULRtyZB5M285ZZ09)

Passcode: 934031

Or One tap mobile:

+16469313860,,88636935542#,,,,*934031# US
+19292056099,,88636935542#,,,,*934031# US (New York)

Or Telephone:

Dial (for higher quality, dial a number based on your current location):

+1 646 931 3860 US
+1 929 205 6099 US (New York)
+1 301 715 8592 US (Washington DC)
+1 305 224 1968 US
+1 309 205 3325 US
+1 312 626 6799 US (Chicago)
+1 719 359 4580 US
+1 253 205 0468 US
+1 253 215 8782 US (Tacoma)
+1 346 248 7799 US (Houston)
+1 360 209 5623 US
+1 386 347 5053 US
+1 507 473 4847 US
+1 564 217 2000 US
+1 669 444 9171 US
+1 669 900 6833 US (San Jose)
+1 689 278 1000 US

Webinar ID: 886 3693 5542

Passcode: 934031

International numbers available: [HTTPS://US02WEB.ZOOM.US/U/KC6WFRJEA3](https://us02web.zoom.us/j/88636935542?pwd=L2hNYVRkYkZVMGZnULRtyZB5M285ZZ09)

2. CALL TO ORDER: 10:00 A.M.
3. PLEDGE OF ALLEGIANCE:
4. ADOPTION OF AGENDA:

5. PUBLIC COMMENT #1:

This comment period is for the public to address topics on today's agenda

6. AGENCY REPORTS:

7. Consideration Of Proclamation Recognizing October 2023 As Watershed Awareness Month

Department Submitting Board of Supervisors

Documents:

WATERSHED AWARENESS MONTH.PDF

8. CONSIDERATION OF MINUTES:

I. 10/10/23 Minutes

Department Submitting Auditor

9. CONSIDERATION OF PERSONNEL ACTIONS:

I. Action Forms

1) transfer, effective 10/22/23, in a) Attorney's Office for Maegan Camp @ \$23.89/hr.

Department Submitting HR

10. CONSENT AGENDA:

(All items listed under the consent agenda will be enacted by one motion. There will be no separate discussion of these items unless a request is made prior to the time the Board votes on the motion.)

I. Consideration Of Final Design Plans For HMA Resurfacing On R-61, From E18N. 0.9 Miles To Story City (FM-C085(181)--55-85)

Department Submitting Engineer

Documents:

FP HMS RESURFCING R61.PDF

II. Consideration Of Final Design Plans For HMA Resurfacing On S-14, From Nevada City Limits, South 9.6 Miles To Polk County Line (FM-C085(179)--55-85)

Department Submitting Engineer

Documents:

FP HMA RESURFACING S14.PDF

III. Consideration Of ARPA Compliance Report For 3rd Qtr Ending September 30, 2023

Department Submitting Auditor

Documents:

COMPLIANCE REPORT.PDF

- IV. Consideration Of License Fees Between Story County And Online Solutions LLC For Annual Software Licensing And Support Effective 9/15/23 - 9/14/24 For \$25,200.00

Department Submitting Information Technology

Documents:

ONLINE SOLUTIONS.PDF

- V. Consideration Of Final Design Plans For RCB Culvert New - Single Box On 170th St. Over Unnamed Field Drainage, Section 8-84-22 (FM-C085(180)-55-85)

Department Submitting Engineer

Documents:

FP RCB CULVERT 170TH.PDF

- VI. Consideration Of Final Design Plans For Bridge Replacement On 535th Ave.; Over Ballard Creek In Section 15-82-24(L-P15E-73-85)

Department Submitting Engineer

Documents:

FP BRIDGE 535TH AVE.PDF

11. PUBLIC HEARING ITEMS:

12. ADDITIONAL ITEMS:

- I. Discussion And Consideration Of Justice Center Generator Repairs, Proposed For \$51,839.48 (Un-Budgeted) - Joby Brogden
Additional Items

Department Submitting Facilities Management

Documents:

JC GEN SET REQUEST.PDF
ZIEGLER AFS23 149.PDF
ZIEGLER AFS23 150.PDF
STORY CO CONTROL AND REG UPGRADES 071123.PDF

13. DEPARTMENTAL REPORTS:

14. OTHER REPORTS:

15. UPCOMING AGENDA ITEMS:

16. PUBLIC COMMENT #2:

Comments from the Public on Items not on this Agenda. The Board may not take any Action on the Comments due to the Requirements of the Open Meetings Law, but May Do So In the Future.

17. LIAISON ASSIGNMENTS, COMMITTEE MEETINGS UPDATES, AND ANNOUNCEMENTS FROM THE SUPERVISORS:

18. ADJOURNMENT:

Story County strives to ensure that its programs and activities do not discriminate on the basis of race, color, national origin, sex, age or disability. Persons requiring assistance, auxiliary aids or services, or accommodation because of a disability may contact the county's ADA coordinator at (515) 382-7204.

Story County Board of Supervisors
Agenda
10/17/23

NAME

~~John~~ John Brogden

Gary Pirkkanen

Sandra K

AGENCY

SCFM

Alexis Chambers

BOJ

PROCLAMATION

Watershed Awareness Month

October 2023

WHEREAS, a water quality collaboration has been formed between the cities of Ames, Huxley, Nevada and Gilbert, Story County, Prairie Rivers of Iowa, Leopold Center for Sustainable Agriculture, Story County Community Foundation, Izaak Walton League, and Story County Soil & Water Conservation District; and,

WHEREAS, the purpose of the Story County Ten-Year Water Monitoring program is to collect and analyze water sampling data, to increase resident's knowledge and understandings, and identify problems in our watershed to support and improve surface and groundwater quality; and,

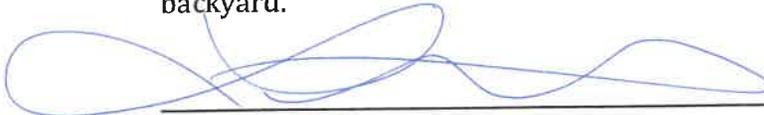
WHEREAS, water quality and flooding issues in rivers, lakes, and streams cannot be mitigated without good stewardship of the private and public lands in the watersheds that drain to those waterways; and,

WHEREAS, implementing green infrastructure using native vegetation and improving soil health aids in absorbing and filtering out excess nutrients and pollutants through use of the land; and,

WHEREAS, educating about how we impact the health of watersheds, where, we live, through our everyday activities; and,

WHEREAS, keeping our watersheds healthy protects public health, water supply, fisheries, wildlife, agriculture, supports economic development and enhances recreation activities in our communities.

NOW, THEREFORE, BE IT RESOLVED THAT, We, the Story County Board of Supervisors, do hereby proclaim October 2023 as Watershed Awareness Month. We urge every citizen within Story County to recognize the importance of the watershed in which you live and to commit to keep learning and identifying how you can make a difference, even in your own backyard.

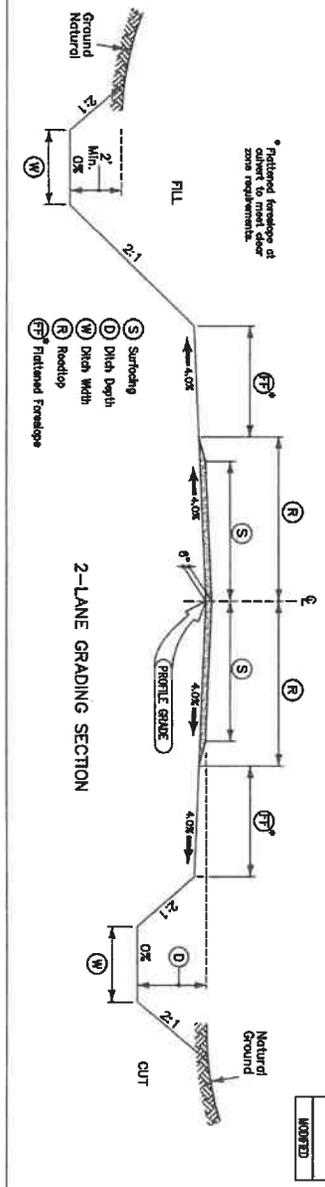
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Normal section shown may be modified appropriately in cases of representative curves or other sections specifically approved by the engineer.

See Plan & Profile sheets and cross sections for different details of abutment and backfills.

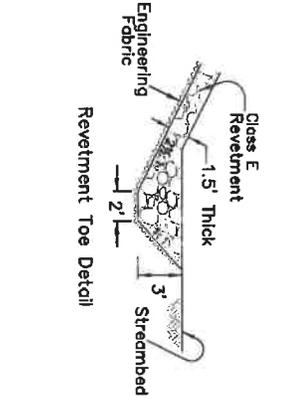
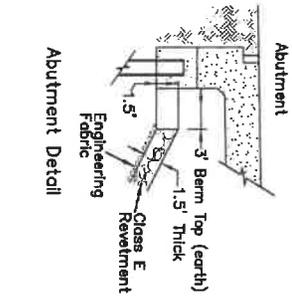
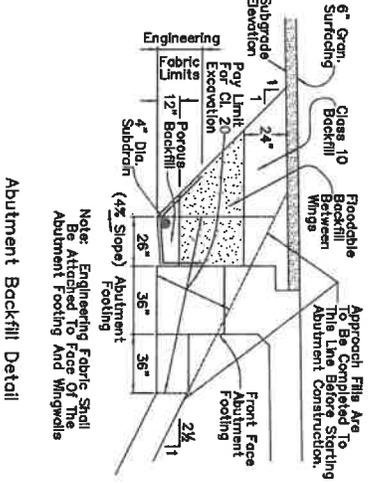
ROAD IDENTIFICATION	SIDE	STATION TO STATION	DIMENSIONS						
			(F) ¹	(D)	(W)	(R)	(S)		
5350H	AVG.	L.L.	8+50.0	8+50.0	0	Var.	6	13	11
5350H	AVG.	L.L.	8+50.0	8+50.0	0	Var.	6	13	11
5350H	AVG.	L.L.	8+87.2	11+15.1	0	Var.	6	13	11
5350H	AVG.	L.L.	11+15.1	11+72.5	0	Var.	6	13	11
5350H	AVG.	L.L.	11+72.5	13+00.0	0	Var.	6	13	11
5350H	AVG.	R.L.	8+50.0	8+75.8	0	Var.	6	13	11
5350H	AVG.	R.L.	10+33.2	10+33.2	8	Var.	6	13	11
5350H	AVG.	R.L.	11+58.9	11+58.9	9	Var.	6	13	11
5350H	AVG.	R.L.	11+98.5	11+98.5	0	Var.	6	13	11
5350H	AVG.	R.L.	13+00.0	13+00.0	0	Var.	6	13	11



TABLATION OF SPREADING TOPSOIL

Area	Quantity	Location	Placement Description		Remarks	Amount Recovered	Station to Station	Remarks	Topsoil Excavation Available From
			L or R	B or F					
1	66.8	10+37	L	B, F, D	NW Corner	66.8	10+37	4	From Stockpile
2	48.3	10+87	L	B, F, D	NE Corner	48.3	10+87	4	From Stockpile
3	68.8	8+50	R	B, F, D	SE Corner	68.8	8+50	4	From Stockpile
4	56.5	8+50	R	B, F, D	SW Corner	56.5	8+50	4	From Stockpile

Perform this work according to Section 2102. Prior to placing topsoil, the area to be covered to a minimum depth of 3 inches. Appropriate adjustments have been made in the template quantities to reflect the envelope, quantity of topsoil from the envelope and ditch bottom as detailed herein.



FILE LOCATION: S:\MIDWEST\PROJECTS\15053\15053.DWG AND 15053.DWG\15053.DWG

STORY COUNTY

L-P15E--73-85

DATE	BY	CHECKED	DATE	BY	CHECKED

QUANTITY INFORMATION SHEET

ESTIMATED PROJECT QUANTITIES OF QUANTITIES
(1 DIVISION PROJECT)

ITEM	ITEM CODE	ITEM	UNIT	TOTAL
1	2101-0850001	CLEARING AND GRUBBING	ACRE	0.9
2	2102-2710070	EXCAVATION, CL 10, ROADWAY AND BORROW	CY	1,344.1
3	2104-2710020	EXCAVATION, CL 10, CHANNEL	CY	71.0
4	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	240.4
5	2401-6745625	REMOVAL OF EXISTING BRIDGE	LS	1.0
6	2402-2720000	EXCAVATION, CLASS 20	CY	99.50
7	2403-0100010	STRUCTURAL CONCRETE (BRIDGE)	CY	263.4
8	2404-7775000	REINFORCING STEEL	LB	64,961
9	2414-6424124	CONCRETE OPEN RAILING, TL-4	LF	242.9
10	2417-1040015	CULVERT, CORRUGATED METAL ENTRANCE PIPE, 15 IN. DIA.	LF	60.0
11	2501-0201042	PILES, STEEL, HP 10 X 42	LF	1,930
12	2501-5478042	CONCRETE ENCASMENT OF STEEL H PILES, HP 10 X 42 (P10L TYPE 3)	LF	353.2
13	2507-3250005	ENGINEER FABRIC	SY	878.2
14	2507-6800061	REVEINMENT, CLASS E	TON	682.0
15	2507-6875002	REVEINMENT, REMOVE AND REPLACE	CY	19.1
16	2528-2518000	SAFETY CLOSURE	EACH	4.0
17	2528-8445110	TRAFFIC CONTROL	LS	1.0
18	2533-4980005	MOBILIZATION	LS	1.0
19	2602-0000030	SILT FENCE FOR DITCH CHECKS	LF	84.0
20	2602-0000312	PERMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN. DIA.	LF	240.0

GENERAL NOTES

Story County to stake bridge control and right-of-way, furnish and maintain detour signing, furnish and place granular surfacing, and perform seeding and mulching.
Contractor shall maintain access to individual properties during construction. This work shall be considered incidental to this project.

ESTIMATE REFERENCE INFORMATION

ITEM NO.	DESCRIPTION
1.	The entire project shall be cleaned and grubbed from BOP to EOP and from ROW line to ROW line.
2.	Plan quantity is based on approximately 172.0 CY of fill (30% shrink factor) and 1,344.1 CY of cut. Any cut and fill shall be from the property of the contractor and removed from site. Type A compaction required. No payment for overhaul will be made. See Sheet R 01 for station-by-station dirt quantities.
3.	Item for excavation below the classification line (streambed) for shaping the channel. Excavated material may be used as fill for any channel relocation or drained and used on roadway forelopes. Quantity was estimated using proposed channel width from ROW line to ROW line.
4.	Contractor shall meet requirements for topsoil conservation practices. Topsoil to be spread smooth to a minimum of 4" on all disturbed areas from catch points to edge of road within project limits. Slopes to be finished smooth to allow for seeding. See tabulation on Sheet E 01 for details.
5.	Contractor to remove an existing 32'-x18" steel beam bridge with concrete deck, and concrete high-well abutments on 45' skew. Material from the old structure shall become the property of the Contractor according to article 1104.08 of the Standard Specifications, and removed from site.
6.	Item for abutment footings excavation. Roadway Contractor shall have abutment berms built to the construction limits and dimensions shown in these plans prior to excavating for abutments. Excavated material shall be used to supplement Class 10 roadway fill.
7.	Certified Plant Inspector (CPI) shall be included in bid price for Structural Concrete. Bridge deck concrete shall be Class C, with a minimum of 28 days curing. Class D concrete is not allowed. Article 2428 deck smoothness requirements shall apply on this project. No additional payment will be allowed for heating and protecting of concrete, if necessary.
9.	CPI is required. Open rail concrete shall be Class C; no substitutions allowed.
11.	See Pile Notes on Sheet C 02 and situation view on Sheet V 01 for details.
12.	Item for assessment of Type 3, P10L filling. Contractor may use either square or round encasement as per plan. See Sheet V 01 for dimensions per pile. Any excavation necessary for encasements shall be included in bid price for encasement. Cap steel is required.
13.	Item for placing fabric under reveinment. All fabric hips should have upelope lap on top.
14.	Item for furnishing and placing reveinment stone on abutment berms and steep ditch slopes adjacent to the berms. See situation plan on Sheet V 01 for details. Quantity includes 271.5 tons on the north ditch slopes, 151.3 tons on the south bridge berm, 312.2 tons on the north ditch slopes, and 150.9 tons on the north bridge berm (all 1 1/2 feet thick).
15.	Item for the removal, stockpiling, and reuse of existing broken concrete, stone reveinment, and broken clay drainage tile. Preliminary survey shows numerous rocks, concrete, and clay tile lying around the bridge, in the streambed, and on the inlet bodelope. The material shall be processed to meet the requirements of class E reveinment and have any steel removed. Material other than concrete and rock shall be removed from site. Quantity is an estimate only. Contractor shall be paid actual quantity by measuring the stockpile and computing its volume. Bales of Polyrent shall be in cubic yards as computed by measurements.
16.	See Tabulation 108-13A on Sheet C 03 for Safety Closure stationing and quantities.
17.	See Standard Road Plan TC-282 for details.
18-20.	Erosion control measures shall be placed at the earliest practicable time. See tabulations on Sheet C 03 and Standard Road Plans EC-201 and EC-204 for details. The tabulation includes estimated locations for placement of sediment logs to address possible erosion during construction.

FILE LOCATION: C:\WORK\PROJECTS\15E\15E_S01\15E_S01\15E_S01.dwg

STORY COUNTY

L-P15E--73-85

DATE: 11/11/03 11:00 AM

SPECIFICATIONS:

Design: AASHTO LRFD, Series 2004 with Interim 2005.

Construction: Iowa Department of Transportation Standard Specifications For Highway and Bridge Construction, Series 2015, plus applicable General Specifications for Special Provisions, Departmental Specifications, Supplemental Specifications and Special Provisions shall apply to construction work on this project.

GENERAL NOTES:

Contractor to construct a three-span 110'x20' reinforced concrete slab bridge on a 3d skew at 535th Ave. over Baldry Creek and grade the approaches. The bridge is on Iowa DOT standard J-Series, Standard Bridge Plans and Standard Road Plans are available from the Iowa Department of Transportation website at <http://www.iowadot.gov/eri/index.html>

It shall be the contractor's responsibility to provide waste areas or disposal sites for excess material (excavated material or broken concrete) which is not desirable to be incorporated into the work involved on this project. These areas shall not impact wetlands or "waters of the U.S." No payment for removal will be allowed for material headed to these areas. No material shall be placed within the right-of-way, unless specifically stated in the plans.

The prime Contractor shall be responsible for all erosion control measures and shall employ controls to reduce the erosiveness of the soils in the construction area adjacent to surface waters and wetlands, including placing and maintaining erosion control measures during and after construction.

CONTRACTOR'S WORK AREA:

The Contractor's work and material storage area shall be defined by the Contractor and noted to the Engineer. Upon project completion, the Contractor shall restore these areas to their original condition. Payment for any restorative work shall be paid for under the "Clear Site Erosion Control" item. Areas outside the Contractor's defined work and material storage areas that are disturbed by the Contractor shall be restored to their original condition by the Contractor and no additional payment shall be made for this work.

STREAM CROSSING NOTES:

The Contractor is encouraged to conduct construction activities during periods of low flow. Any temporary stream encroachment shall include enough culverts to accommodate low flows and must be removed after completion of work on that crossing. Temporary stream crossings shall be constructed in accordance with Standard Road Plan ER-401. The cost of installation, maintenance, and removal of any temporary stream crossings (including culverts) shall be included in the price bid for "Mobilization".

Construction of any necessary stream crossing shall be done to prevent the dumping or spilling of material into streams, wetlands, or other bodies of water except as approved herein.

The Contractor shall employ measures to ensure that no petroleum products, chemicals, or other deleterious materials enter streams, wetlands, or other bodies of water.

Construction activities, equipment, and materials shall be kept out of the streams, wetlands, or other bodies of water to the maximum extent practicable.

UTILITY NOTES:

The Contractor shall call One Call at least 48 hours prior to beginning work. Utility companies found to be located within the construction area are listed on the title sheet of these plans. See Section 1107.15 of the Iowa DOT Standard Specifications For Highway And Bridge Construction, Series 2015, regarding utility related responsibilities.

EMERALD ASH BORER NOTE:

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.iowadep.state.ia.us/eab_regulations.html.

INDIANA BAT HABITAT:

See Iowa DOT Specification Section 2101.01 for tree removal.

GENERAL PILE NOTES:

Soundings and test boring data shown on these plans were accumulated for designing and estimating purposes. Their inclusion in these plans does not constitute a guarantee that conditions other than those indicated will not be encountered. For Piles subject to scour, the design bearing shall be obtained below the scour elevation. The scour elevation is calculated and shown on the Standard Plan on Sheet V.01.

This project uses the Load and Resistance Factor Design (LRFD) methodology for determining pile contract length and nominal axial bearing resistance. Nominal axial bearing resistance will be longer than bearing values in the past, but comparable to design resistance. The contractor will manage construction control with the WEAP analysis formula that gives the relationship between required nominal axial bearing resistance and blow count.

For the Contractor's bidding purposes, particularly for the sizing of the pile driving hammer, the approximate previous design methodology bearing values at End of Drive (EOD) are given below. These values shall not be used for construction control and are given only for comparative purposes.

PILE DESIGN NOTES:

The contract length of 55 feet for the south Abut piles, and 50 feet for the north Abut piles, is based on a mixed soil classification, a total factored axial load per pile (Fu) of 84.2 kips, and a geotechnical resistance factor (Ft) of 0.65. The nominal axial bearing resistance for construction control was determined from a cohesive soil classification and a geotechnical resistance factor (Ft) of 0.77. Design scour (100-year) was assumed to offset the upper 18 feet of embedded pile length and cause 18 kips of driving resistance. Piles are assumed to be driven from a start elevation at the proposed berm slope location.

The contract length of 85 feet for the south and north Pier piles is based on a cohesive soil classification, a total factored axial load per pile (Fu) of 94.2 kips, and a geotechnical resistance factor (Ft) of 0.65. The nominal axial bearing resistance for construction control was determined from a cohesive soil classification and a geotechnical resistance factor (Ft) of 0.77. Design scour (100-year) was assumed to offset the upper 18 feet of embedded pile length and cause 18 kips of driving resistance. Piles are assumed to be driven from a start elevation at the proposed berm slope location.

PILE DRIVING NOTES:

The required nominal axial bearing resistance for Abut piles is 54 tons at End of Drive, 64 Tons at Retop. The pile contract length shall be driven as per plan, but piles are to be driven to full penetration where practical. Construction control requires a WEAP analysis with bearing graph, supplied by the County.

The required nominal axial bearing resistance for Pier piles is 71 tons at End of Drive, 83 Tons at Retop. The pile contract length shall be driven as per plan. Pier piles are to be driven to full penetration where practical. Construction control requires a WEAP analysis with bearing graph, supplied by the County.

HAZARDOUS MATERIALS NOTES:

A scrape sample was taken from one area of this bridge to get an indication of the existence of the level of total Chromium and total Lead. Analysis of total Lead on this sample was 211,000 parts per million (PPM). Analysis of total Chromium on this sample was 3,150 PPM. These analyses show the existence of these two toxic constituents. Levels indicated by these tests could create conditions above regulatory limits for health and safety requirements. No other constituents were analyzed. The bidder should not rely on the Department's testing and analysis for any purpose other than as an indication of the existence of these two toxic constituents.

The Contractor shall exercise care during the removal of existing structures to prevent any part from coming off of pointed ends of piles and sharp point come off, the Contractor shall collect and dispose of the point according to Section 2508 of the Standard Specifications.

Before delivery of any salvaged materials that may contain toxic constituents, the Contractor shall provide a written notice to the receiving facility. This written notice shall contain at least:

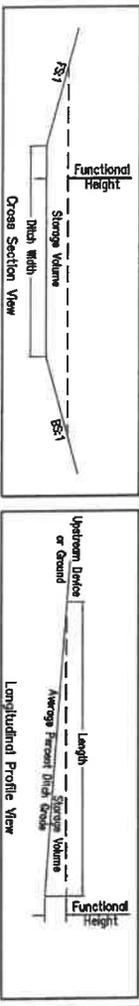
- a copy of the lab results of the scrape sample
- signature block for the receiving facility to confirm their receipt of this information
- notification that salvaged materials include point that may contain toxic constituents at levels that may be hazardous to employees or the environment

A copy of this notice, signed by the receiving facility, shall be returned to the Engineer before any hazardous material is removed from the site.

An asbestos survey was conducted and found no asbestos at this site. However, should the occasion arise that asbestos is still found at the time of bridge demolition, the County will contract with a licensed asbestos contractor to remove any remaining asbestos during the bridge's demolition.

PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE			
Make to B-204			
LOCATION	6 IN. DIA. 9 M. DIA. 12 M. DIA. 20 M. DIA.	LF	LF
BEGIN STATION	END STATION	SOE	LF
13+71	12+60	RT	60
12+46	12+75	LT	60
13+97	13+80	LT	60
13+97	13+85	RT	60
REMARKS			
From SF streambank controls (refer to the plan placement)			
From SF streambank controls (refer to the plan placement)			
From RT streambank controls (refer to the plan placement)			
From LT streambank controls (refer to the plan placement)			
TOTALS			
		240	

SILT FENCES FOR DITCH CHECKS



* The functional height used in the volume equation is 85% of effective height. Effective height is 1.25 feet on storm on EC-201.
 * Volume equation: $0.5^2 \times \text{Spacing} \times (0.54 \times \text{FS} + 0.54 \times \text{RS} + 0.54 \times \text{LS})$

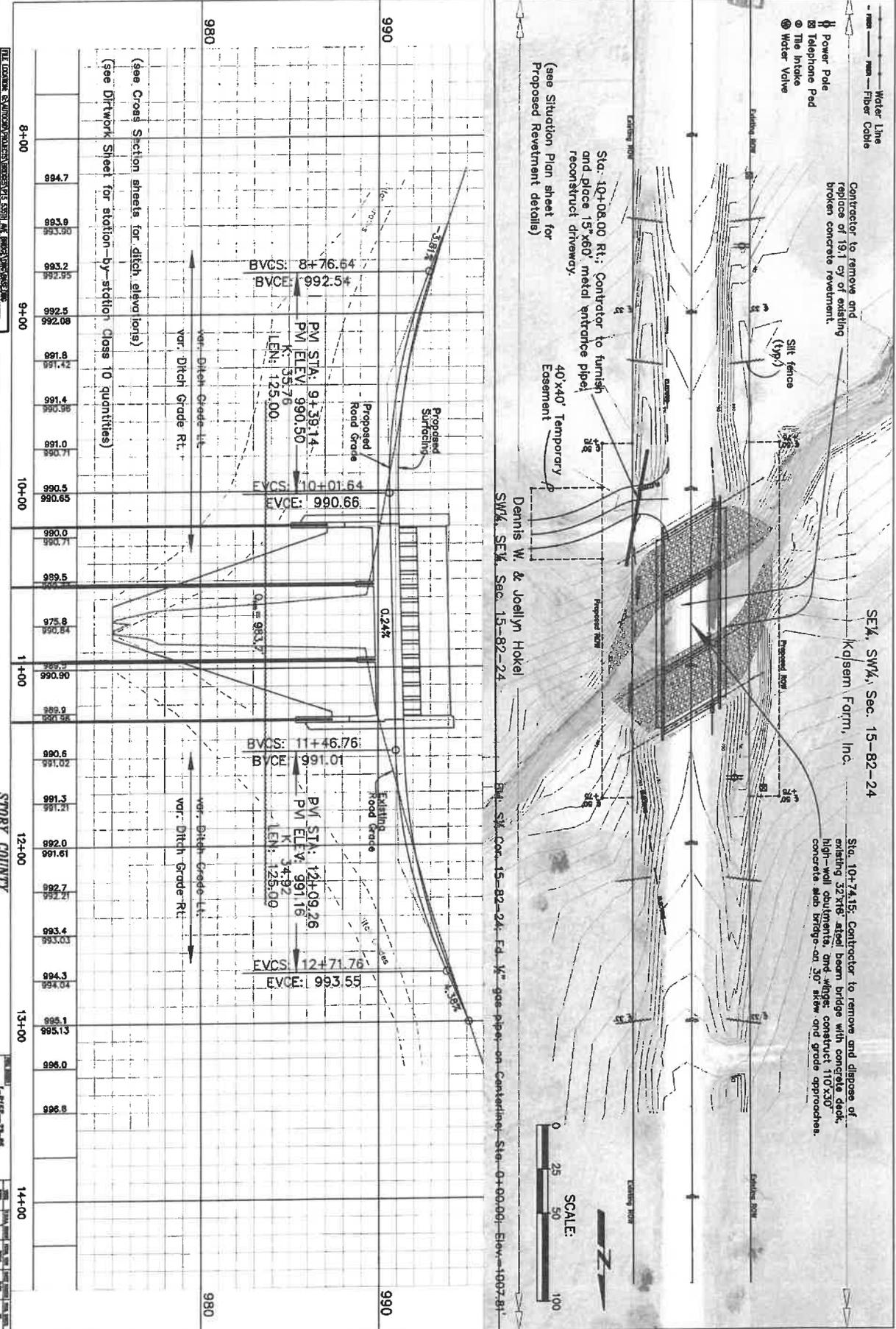
Bath No.	Location	Bid Items	Stormwater Storage Volume Summary		Remarks
			Removed	Retained	
8+50	St. 10.5	LF	2-1	6.0	West Ditch Checks
9+30	St. 10.5	LF	2-1	6.0	West Ditch Checks
12+20	St. 10.5	LF	2-1	6.0	West Ditch Checks
13+00	St. 10.5	LF	2-1	6.0	West Ditch Checks
8+50	St. 10.5	LF	2-1	6.0	East Ditch Checks
9+30	St. 10.5	LF	2-1	6.0	East Ditch Checks
12+20	St. 10.5	LF	2-1	6.0	East Ditch Checks
13+00	St. 10.5	LF	2-1	6.0	East Ditch Checks
Totals:		84.0	84.0		

Concrete and Steel Quantities	
Concrete	Steel
Superstructure (2@12.8) Piers	237.8 cy (2@1,729) #
Abutments (2@12.8) Piers	25.6 cy (2@1,729) #
Open Rail	(Incidental) (Included in superstructure)
263.4 cy	64,961 #

TABULATION OF SAFETY CLOSURES			
Refer to Section 2010 of the Standard Specifications			
STATION	ROAD QTY.	HAZARD QTY.	REMARKS
7+80.0	1	1	
8+00.0	1	1	
13+80.0	1	1	
14+00.0	1	1	
2		2	TOTAL = 4.00

PLAN AND PROFILE SHEET

PROJ No. L-P15E--73-85



Total Volume Table

Station	Cut Area	Fill Area	Cut Volume	Fill Volume	Cumulative Cut Vol	Cumulative Fill Vol	Net Volume
9+00.00	9.78	0.00	0.00	0.00	0.00	0.00	0.00
9+25.00	10.75	11.02	9.50	6.63	9.50	6.63	2.87
9+50.00	10.73	6.55	9.94	8.77	19.45	15.40	4.05
9+75.00	4.22	7.50	6.92	6.65	26.37	22.05	4.32
10+00.00	17.17	47.25	9.90	32.95	36.27	55.00	-18.73
10+12.50	0.00	0.00	3.97	14.22	40.25	69.22	-28.97
10+25.00	189.63	4.21	43.89	1.27	84.14	70.49	13.65
10+50.00	416.15	2.82	280.45	4.23	364.59	74.72	289.87
10+75.00	258.43	0.06	312.31	1.73	676.90	76.45	600.44
11+00.00	384.85	1.38	297.81	0.87	974.71	77.32	897.39
11+25.00	149.08	25.97	247.19	16.46	1221.90	93.78	1128.12
11+50.00	11.73	46.96	74.45	43.89	1296.35	137.67	1158.68
11+75.00	2.65	5.04	6.66	31.30	1303.01	168.97	1134.04
12+00.00	11.08	0.01	6.36	3.04	1309.36	172.01	1137.35
12+25.00	16.40	0.00	12.72	0.01	1322.09	172.02	1150.07
12+50.00	15.52	0.00	14.78	0.00	1336.86	172.02	1164.85
12+75.00	8.76	0.60	7.19	0.00	1344.05	172.02	1172.03

THE LOCATION OF ANY AND ALL UTILITIES SHOWN ON THIS PLAN IS UNASSURED.

STORY COUNTY

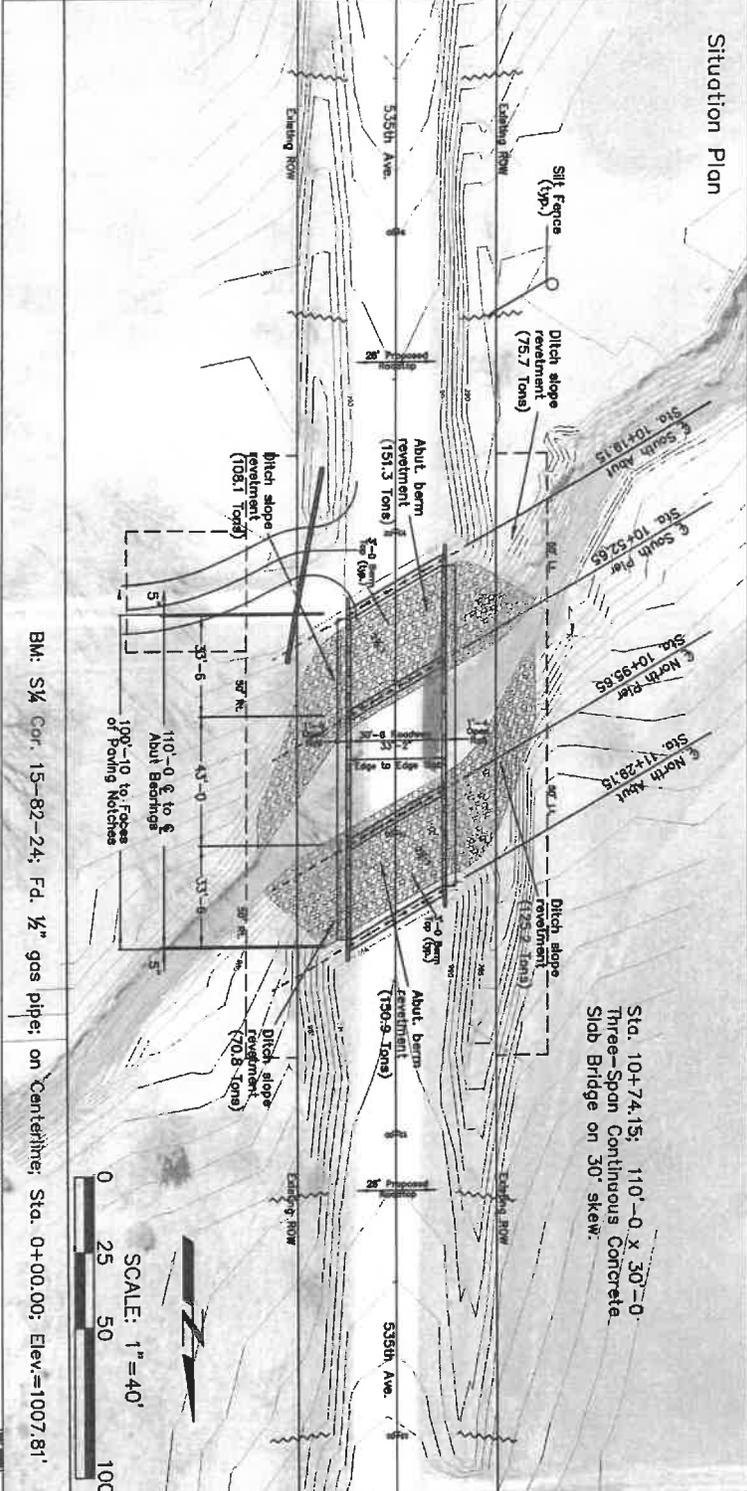
L-P15E-73-85

DATE: 11/11/11

REL LOCATION OF HYDRAULIC STRUCTURES SHOWN ON THIS PLAN ARE APPROXIMATE

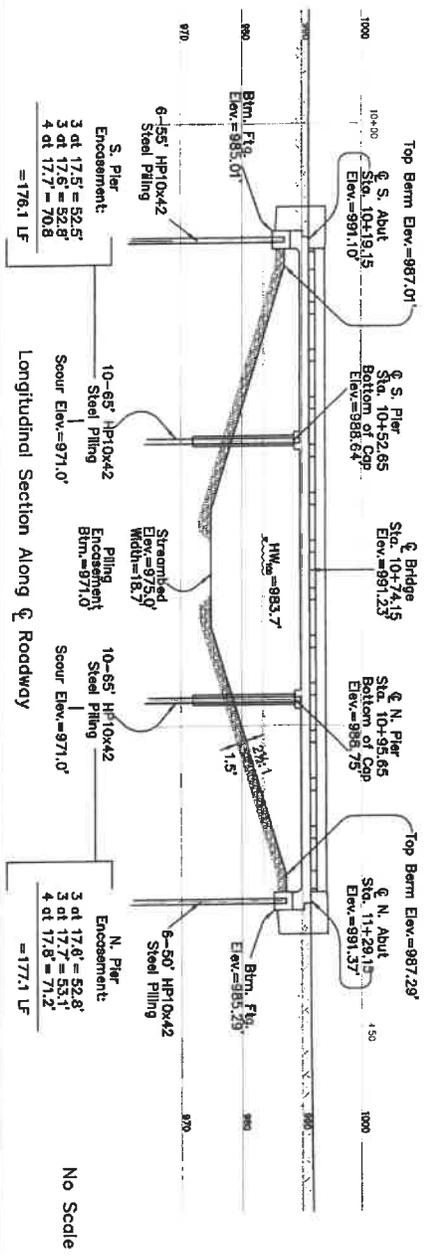
STORY COUNTY

L-P15E--73-85



BM: S&K Cor. 15-82-24; Fd. 1/2" gas pipe; on Centerline; Sta. 0+00.00; Elev.=1007.81'

Situation Plan



Longitudinal Section Along Centerline of Roadway

No Scale

LOCATION
Sta. 10+74.15; on 535th Ave.;
0.20 mi. North of S&K Corner,
Des Moines, Iowa
Ballard Creek, in
Story County, Iowa

HYDRAULIC DATA
(StreamStats Version 4.0)

Drainage Area = 11.3 sq. mi.
Main Channel Slope = 6.7 ft./mi.
Site Stream Slope = 0.001882 ft./ft.
Q₉₀ = 922 cfs
Natural Stage = 982.6'
Backwater = 0.06'
Slope w/Backwater = 982.7'
Bridge Waterway Opening = 298.6'
Q₅₀ = 1,120 cfs
Natural Stage = 983.2'
Backwater = 0.07'
Slope w/Backwater = 983.3'
Bridge Waterway Opening = 337.5'
Q₁₀ = 1,310 cfs
Natural Stage = 983.7'
Backwater = 0.09'
Slope w/Backwater = 983.8'
Bridge Waterway Opening = 376.0'
Est. One Pier Scour Elev. = 971.0'
Begin Overtopping Flow = 413,000 cfs
Begin Overtopping Elev. = 981.2'
Begin Flooded H/W Elev. = 981.2'
Observed Low Water = unknown

CROSS SECTIONS SHEET

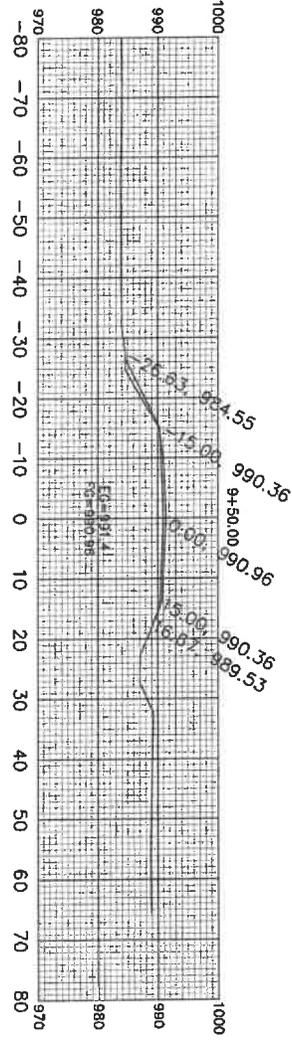
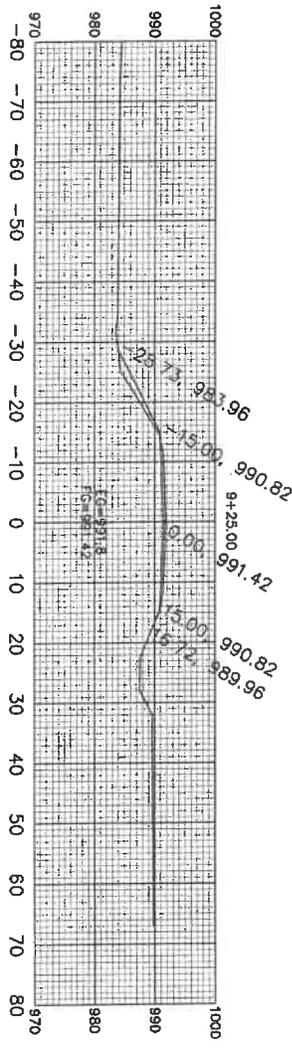
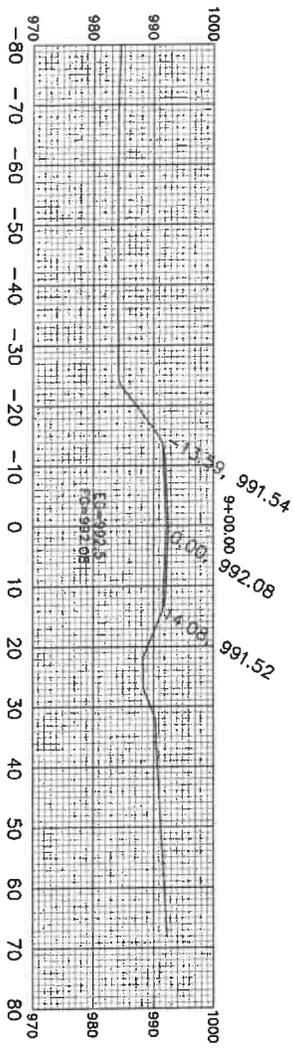
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STORY COUNTY

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CROSS SECTIONS SHEET

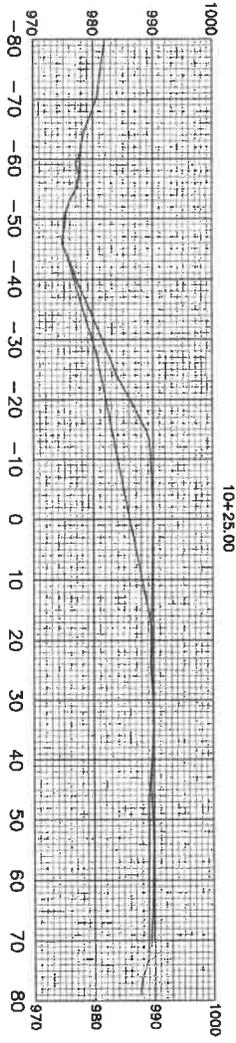
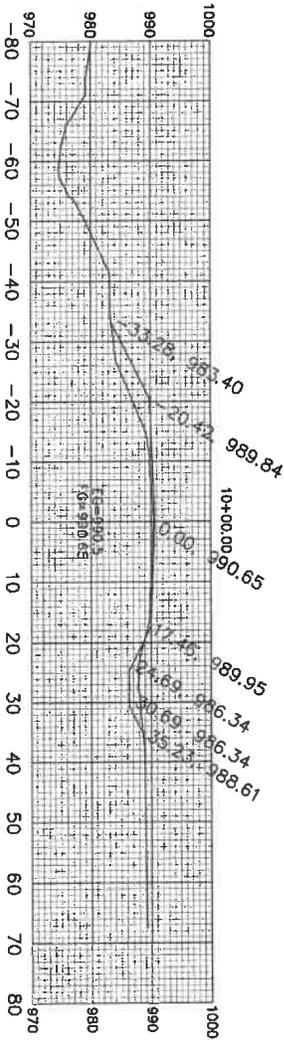
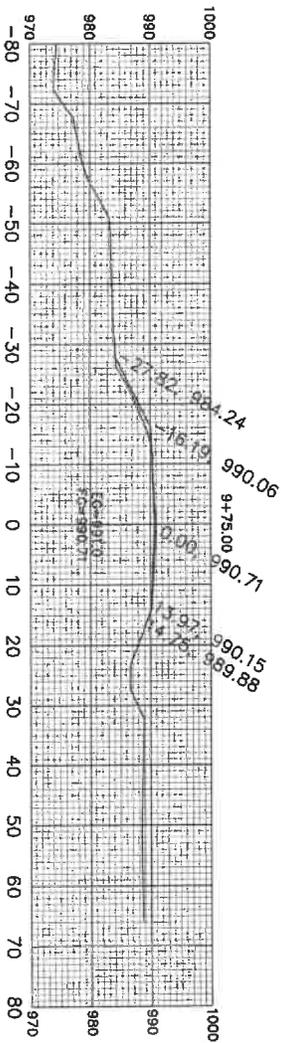
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STORY COUNTY

PROJECT: L-P15E--73-85

SHEET: 1 OF 1



CROSS SECTIONS SHEET

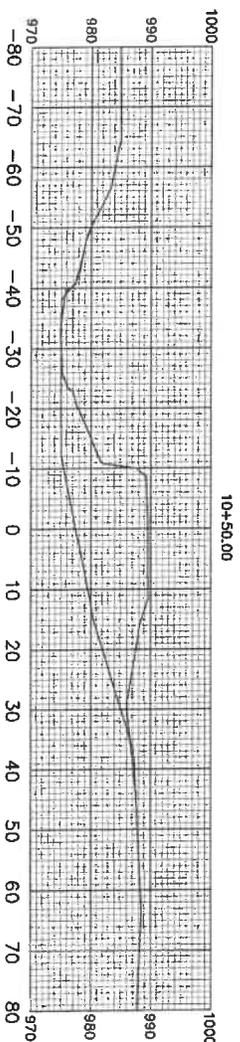
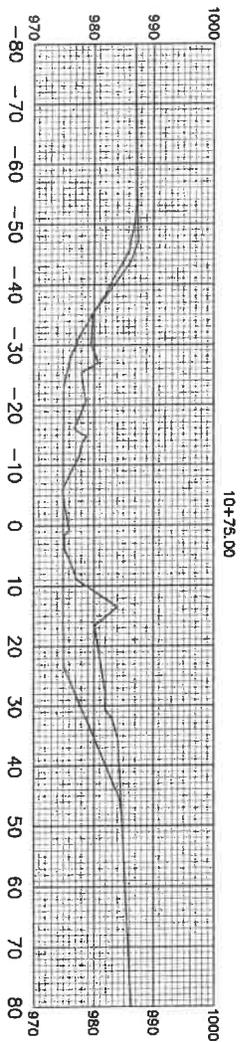
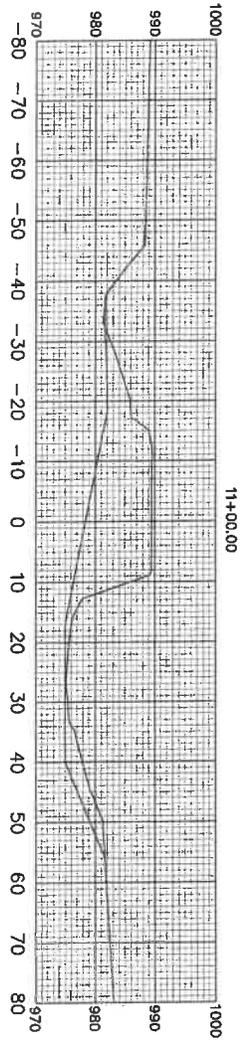
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STORY COUNTRY

L-P15E--73-85

DATE: 11/15/85

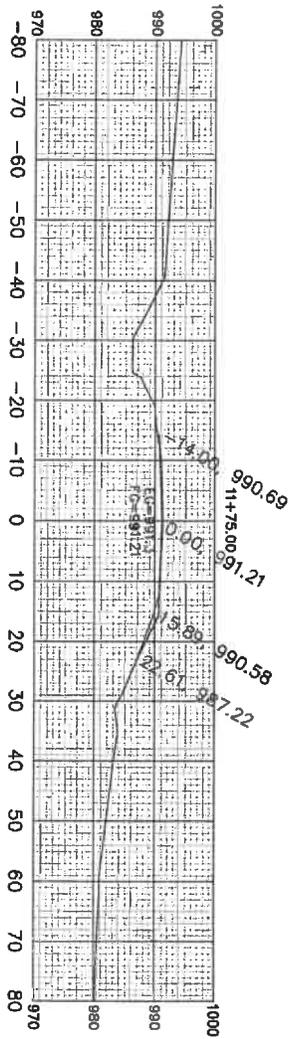
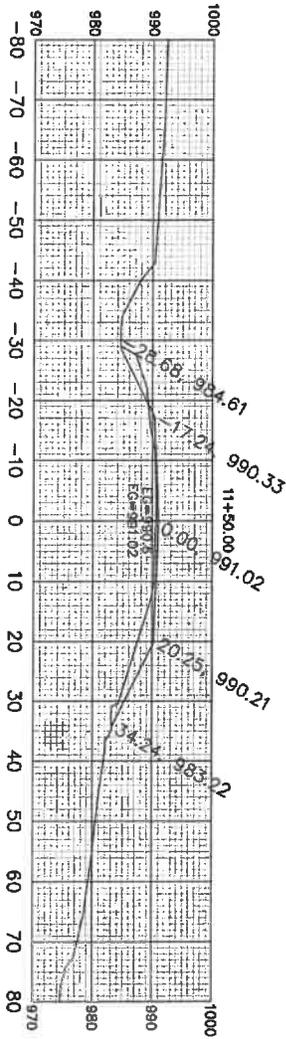
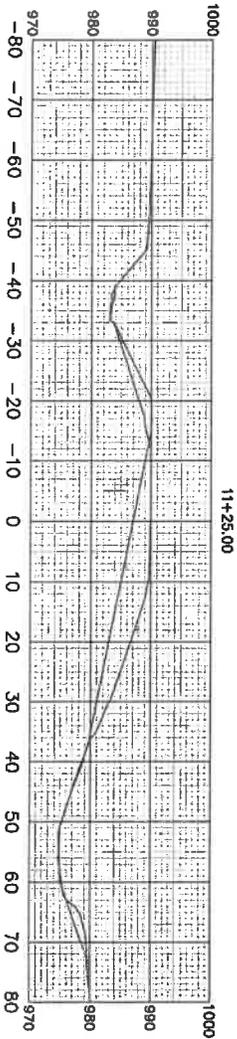


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STORY COUNTY



151E-73-85



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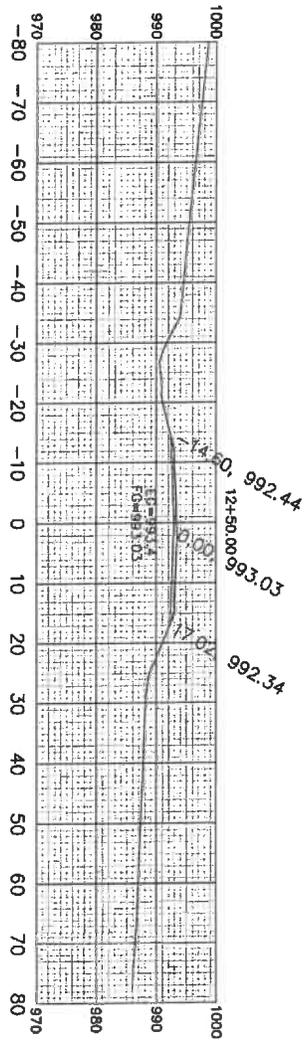
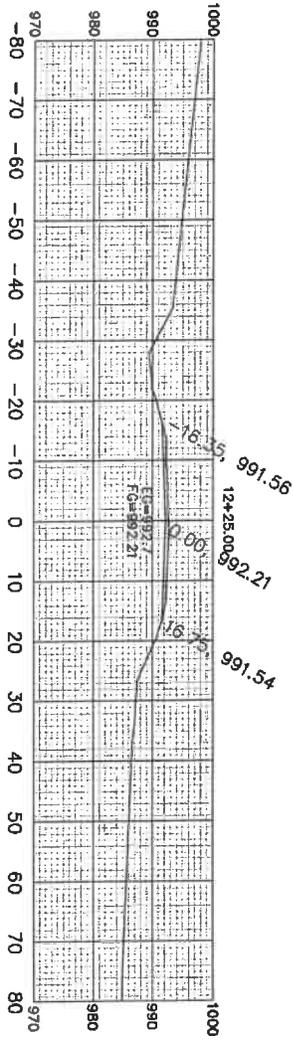
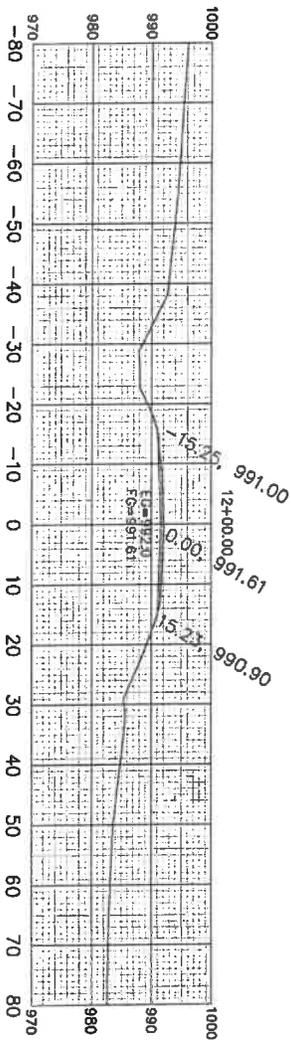
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STORY COUNTY

DATE: 12/11/01

SCALE: 1"=40'



QUANTITY INFORMATION SHEET

ESTIMATED PROJECT QUANTITIES OF QUANTITIES
(1 DIVISION PROJECT)

ITEM	ITEM CODE	ITEM	UNIT	TOTAL
1	2101-0850001	CLEARING AND GRUBBING	ACRE	0.4
2	2102-2625000	EMBANKMENT-IN-PLACE	CY	199.9
3	2102-2710070	EXCAVATION, CL 10, ROADWAY AND BORROW	CY	255.6
4	2102-4560000	LOCATING TILE LINES	STA	1.5
5	2104-2710020	EXCAVATION, CL 10, CHANNEL	CY	20.0
6	2110-3825010	GRANULAR MATERIAL	TON	48.0
7	2401-6745650	REMOVAL OF EXISTING STRUCTURE	LS	1.0
8	2402-2720000	EXCAVATION, CLASS 20	CY	68.0
9	2415-2111404	PRECAST CONCRETE BOX CULVERT, 14 FT. X 4 FT.	LF	36.0
10	2415-2201404	PRECAST CONCRETE BOX CULVERT STRAIGHT END SECTION, 14 FT. X 4 FT.	EACH	2.0
11	2502-4388050	INTAKE, STANDPIPE, AS PER PLAN	EACH	1.0
12	2502-8215810	SUBDRAIN, TILE, 10 IN. DIA.	LF	20.0
13	2502-8212118	SUBDRAIN, PLASTIC PIPE, 18 IN. DIA.	LF	80.0
14	2507-3250005	ENGINEERING FABRIC	SY	36.7
15	2507-6800061	REVEMENT, CLASS E	TON	18.0
16	2528-2518000	SAFETY CLOSURE	EACH	4.0
17	2528-8445110	TRAFFIC CONTROL	LS	1.0
18	2533-4980005	MOBILIZATION	LS	1.0

STORY COUNTY:

Story County to stake culvert control and right-of-way, perform seeding and mulching, furnish and place erosion control measures, and furnish and place granular surfacing.

ESTIMATE REFERENCE INFORMATION

ITEM NO.	DESCRIPTION
1.	Entire project to be cleared and grubbed from BOP to EOP and from ROW line to ROW line. This item also includes 100 lin. ft. of fence removal.
2.	Contractor to furnish suitable borrow material. Much of this material is intended for placement in the top 25'x25'x2 1/2' of roadway fill over the culvert; the rest of this item quantity will be used to achieve dirt balance.
3.	Plan quantity is based on approximately 255.6 CY of fill (30% shrink factor) and 68.7 CY of cut. Contractor to furnish material from a suitable borrow site to achieve dirt balance (Item #2). Type A composition required. No payment for overhaul will be made. Approximately 77 cy of this item includes the stripping, stockpiling, and spreading topsoil. Topsoil to be spread smooth to a minimum of 4" on all disturbed areas from catch points to edge of road. Slopes to be finished smooth to allow for seeding. See Cross Section sheets for station-by-station dirt quantities.
4.	Item for locating existing tile crossings that are to be replaced. Quantity includes locating 50' at Sta. 5+70 Rt. for the cross-road tile, 50' at Sta. 5+25 Lt. for the other end of the cross-road tile, and 50' at Sta. 5+75 Lt. for 10' riddle tile-in.
5.	Item for excavation for shaping inlet and outlet to match culvert opening. Suitable excavated material may be drained and wasted on roadway foreslopes with the approval of the Engineer.
6.	Approximately 48 tons of 1" rock is required under the box for bedding.
7.	Material from the old structure shall become the property of the Contractor according to article 1104.09 of the Standard Specifications, and removed from site. The existing structure is a 15'x24' treated timber beam bridge with timber deck, piling, abutments, and wings, on a 0' skew.
8.	Item for acquisition for culvert placement. Suitable material may be used to backfill culvert and supplement Class 10 roadway quantity with approval from the Engineer.
9.-10.	Precast RCB culvert shall be a single 14'x4' cells with straight end sections on the outlet and inlet. The culvert shall be supplied by the Contractor as per plan, which includes dropwells. See tabulation on Sheet C.03 and notes on Sheet C.02 for details. Submit shop drawings to Story Co.
11.-13.	Items for the replacement of existing drainage tiles and intakes. The 18" tile shall be the double-wall plastic type, and the 10" tile shall be the single-wall plastic type. The intake shall be of the plastic Hickenbottom standard type, and 10' in diameter. See plan sheet for approximate location; actual location will be determined by locating (see item 4).
14.-15.	Items for constructing slope protection alongside the inlets and outlets. See plan view on Sheet D.01, tabulation on Sheet C.03, and Standard Road Plan EC-301 for details. Item include furnishing revetment and all labor necessary for the construction of the splash basin. Excavation is paid for in Class 10 Channel Item.
16.	See tabulation on this Sheet C.03 for stationing and quantities.
17.	See Standard Road Plan TC-252 for details.

DRAINAGE STRUCTURES BY CULVERT CONTRACTOR

Location	Size	Type	Length Culvert Feet	No. of Apertures	Flow Line Elevation			Dimensions - Lth. Ft.			Sewer Ahead			By Road Contractor			Remarks	
					Left	Right	Other	Total	Extension	Degrees	RI	Ditch	Top	Bottom	Footings*	Parapet*		Poolfill*
5+48.50	12x4	Single 3039	96.0	2	1028.45	1028.30		18.0	18.0									98.0' of Class 20 Base.

ROCK EROSION CONTROL

Road Identification	Location	Beginn Station	End Station	Side	Type 1 Rock Ditch Check	Type 2 Rock Ditch	Type 3 Rock Furne	Type 4 Rock Splash Basin	Type 5 Rock Slope Protection	Erosion Stone TON	Class E Reverment TON	Eng. Fabric SY	Remarks
170th St.		5+35.9	5+61.1	Lt./Rt.	6	3			X	6.0	6.0	15.6	Slope protection at ROB inlet.
170th St.		5+35.9	5+61.1	Lt./Rt.	8	3			X	6.0	6.0	15.6	Slope protection at ROB outlet.
170th St.		5+56.5	5+63.5	Lt./Rt.	7	7			X	6.0	6.0	5.5	Erosion protection at tile intake.

LIST OF SUBDRAIN WORK

No.	Station to Station	Type of Inlet	Pipe C.M.P. Dia.	Length Feet	Aynons			Outlets			Trench Drain	Remarks
					No.	Type	No.	No.	Type	No.		
1	5+25 Lt. - 5+70 Rt.	DR-301	15"	80	DR-201	DR-203	DR-304	DR-305				Cross-road tile replacement (double-wall type).
2	5+75 Lt. - 5+85 Lt.	DR-302	10"	10								Road tile tie-in (single-wall type).
3	5+60 Rt. - 5+70 Rt.	DR-302	10"	10								Hook up intake to cross-road tile.

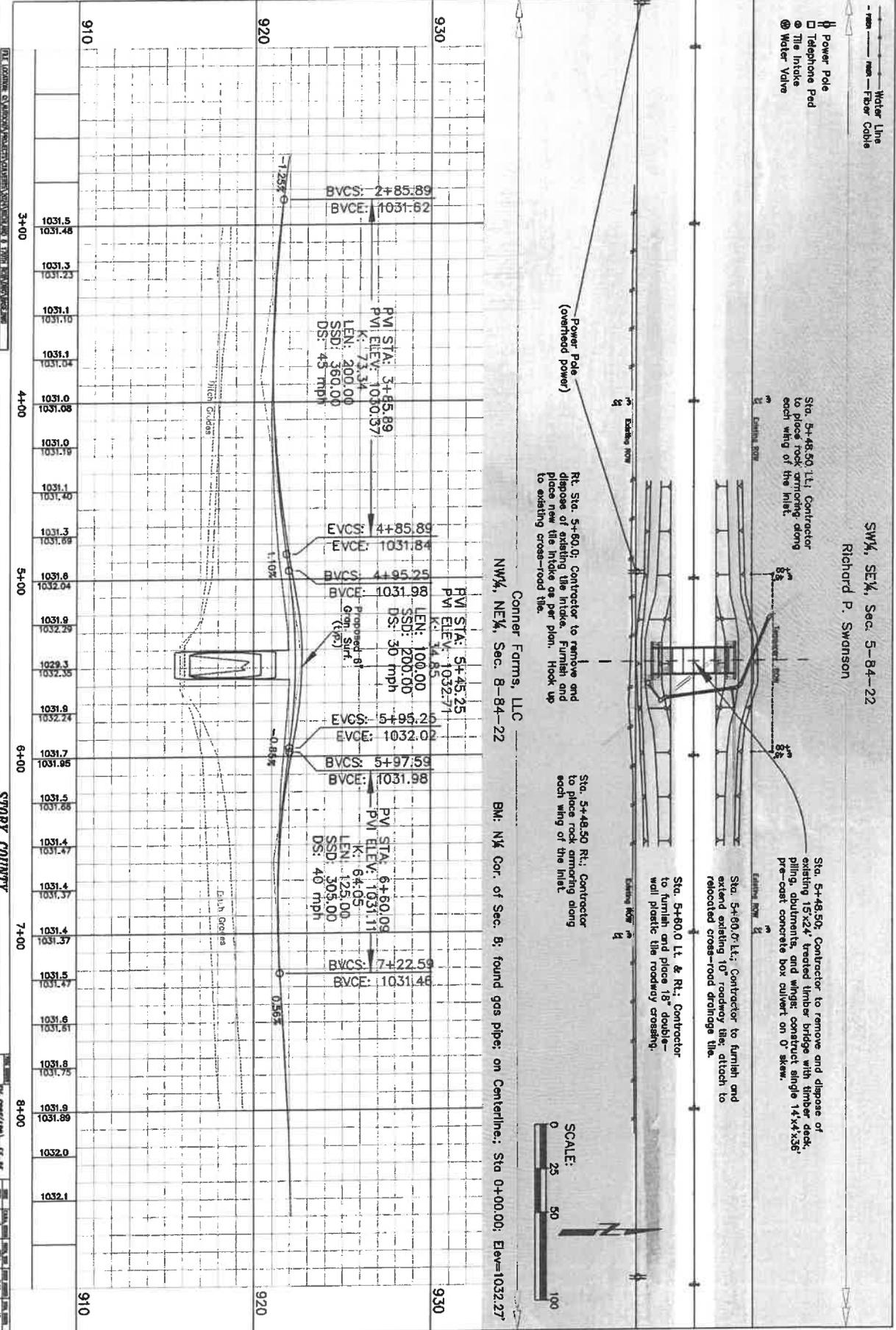
INTAKES AND UTILITY ACCESSSES

No.	Location Station	Type of Standard Road Pipe	Form Grade Elev.	Bottom Elev.	Extended Length	Notes
1	5+60.0'	28.0' Rtl. standard type	1025.20	1023.75		Plastic Hakenbottom--14" dia. 10" in diameter.

TABULATION OF SAFETY CLOSURES

STATION	ROAD QTY.	HAZARD QTY.	REMARKS
3+75.0	1	1	
4+100.0	1	1	
7+00.0	1	1	
7+25.0	1	1	
TOTAL			4.00

PLAN AND PROFILE SHEET



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STORY COUNTY

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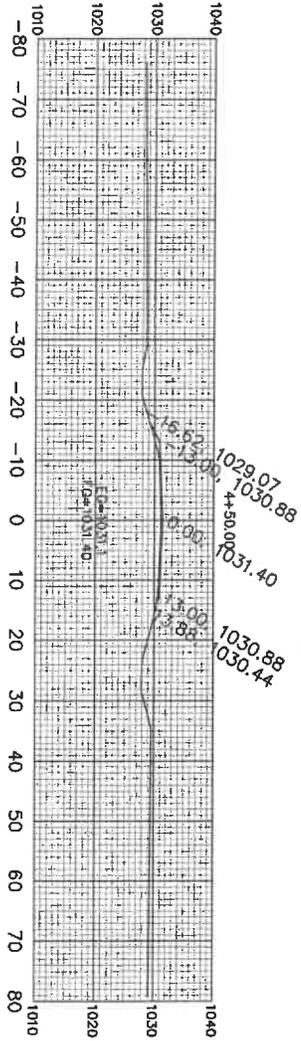
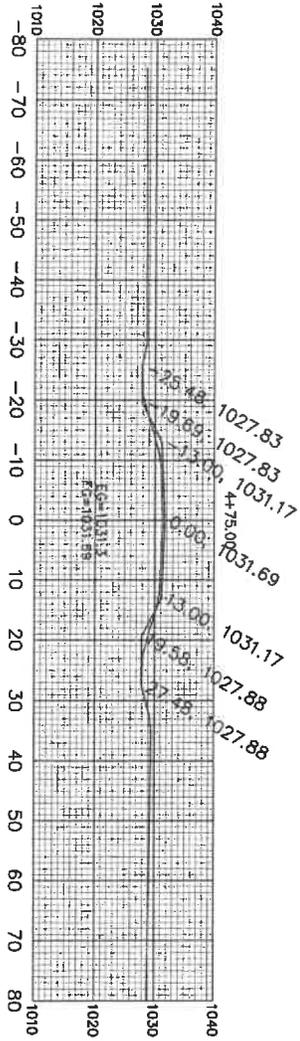
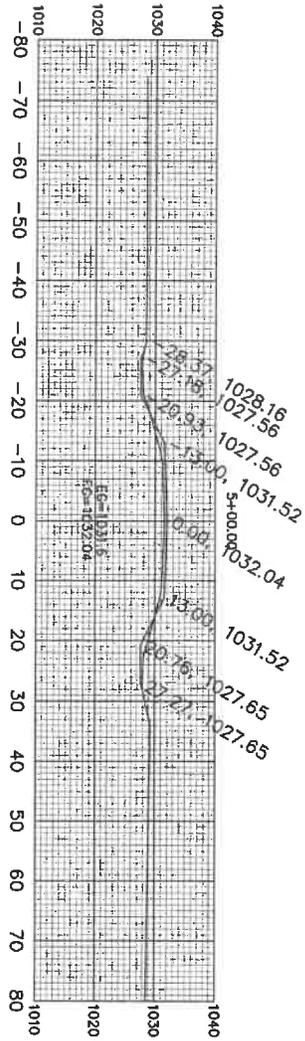
CROSS SECTIONS SHEET

PROJ No. FM-C085(180)--55-85

THE LOCATION, PLANTING, PAINTING, AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, TEXAS DEPARTMENT OF TRANSPORTATION, LATEST EDITION.

STORY COUNTY

DATE: 11/15/18
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 CHECKED BY: [unreadable]
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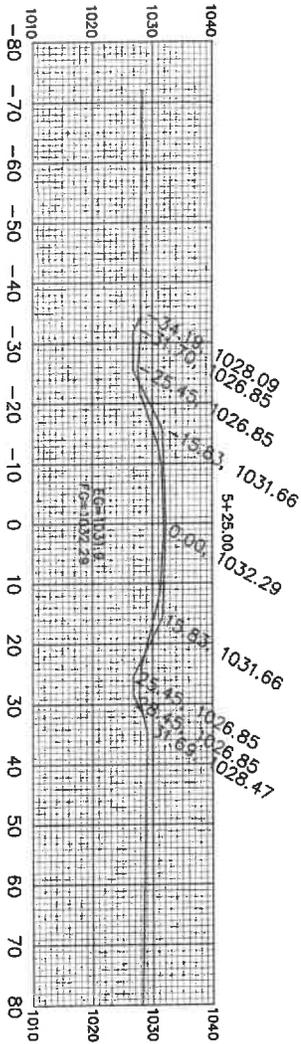
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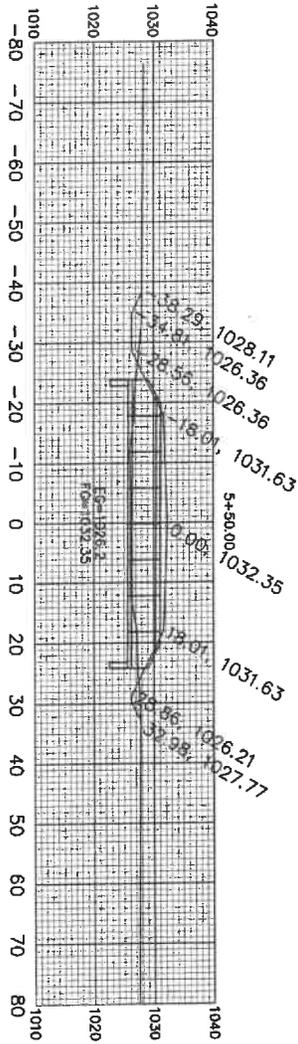
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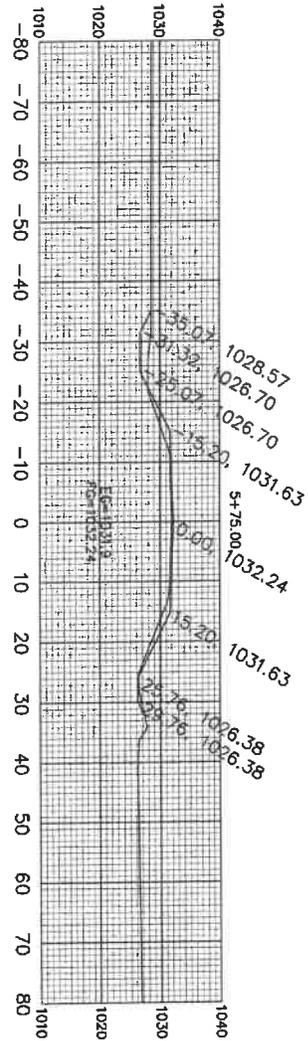
PROJ: FM-C085(180)--55-85



Sta. 5+25.00	
Cut Area	15.73
Fill Area	30.56
Cut Vol	11.41
Fill Vol	28.53



Sta. 5+50.00	
Cut Area	0.00
Fill Area	0.00
Cut Vol	0.00
Fill Vol	0.00



Sta. 5+75.00	
Cut Area	16.43
Fill Area	24.37
Cut Vol	13.66
Fill Vol	94.30

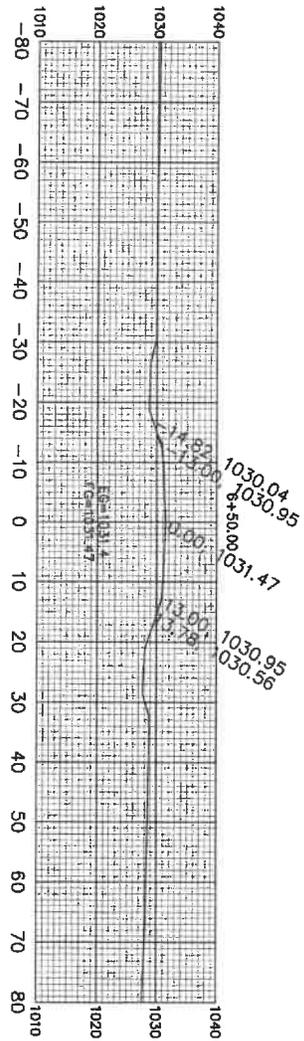
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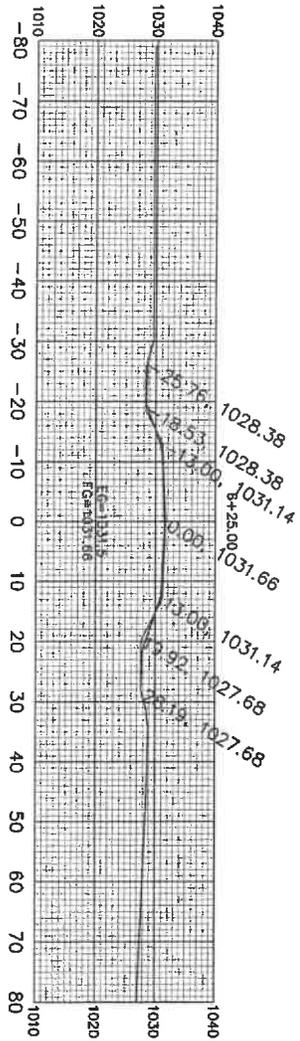
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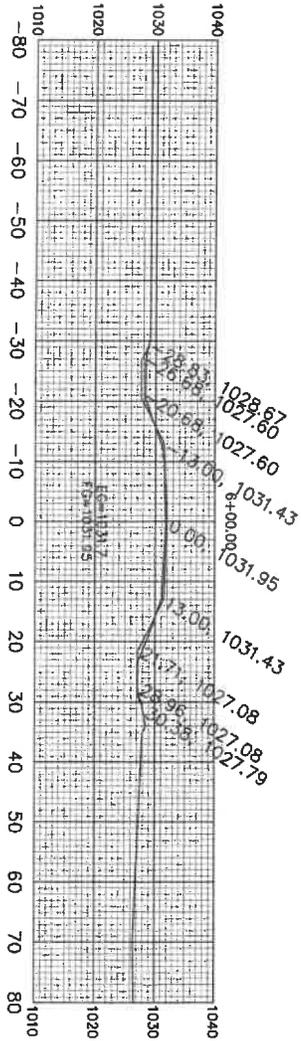
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 USER: J...
 PROJECT: FM-C085(180)--55-85



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Cut Vol	2.63
Fill Vol	3.23



Sta. 6+25.00	
Cut Area	5.39
Fill Area	4.37
Cut Vol	7.33
Fill Vol	7.48



Sta. 6+00.00	
Cut Area	10.45
Fill Area	8.06
Cut Vol	12.45
Fill Vol	19.52

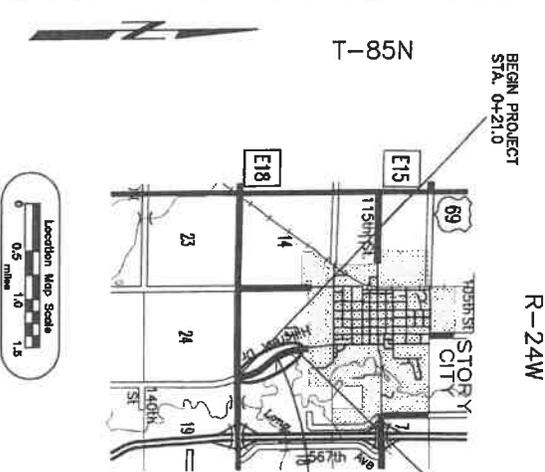
STORY COUNTY

Letting Date **JAN. 17, 2024**

HMA RESURFACING

Proj. No. **FM-C085(181)--55-85**

THE IOWA DEPARTMENT OF TRANSPORTATION HAS REVIEWED THIS PROJECT AND APPROVES THE DESIGN AND CONSTRUCTION OF THIS PROJECT.



DESIGN DATA RURAL
2019 AADT 1550 VP.D.

PROJECT LOCATION
On R-81, From E18
N. 0.9 Miles to
Story City.

Soil: As Noted

It shall be the contractor's responsibility to provide water (or other liquid) which is not deleterious to the material to be placed on this project. There shall be no impact on the environment of the project. The contractor shall be responsible for the maintenance of the project. The contractor shall be responsible for the right-of-way unless specifically stated in the plans.

CONTRACTOR SHALL CALL ONE CALL AT LEAST 48 HOURS PRIOR TO BEGINNING WORK. ONE CALL 1-800-292-8989
IOWA RESURFACING UTILITY ASSN: 641-782-7011
IOWA TELEPHONE COMPANY: 641-577-2222
WINSTREEM COMMUNICATIONS: 800-289-1901

PROJECT TRAFFIC CONTROL PLAN
THE ROAD WILL BE OPEN TO ONE LANE TRAFFIC DURING CONSTRUCTION HOURS AND RECLOSED TO TWO LANE TRAFFIC AT THE END OF EACH WORK DAY. LOCAL TRAFFIC TO ADJACENT PROPERTIES WILL BE MAINTAINED AS MUCH AS POSSIBLE. TRAFFIC CONTROL DEVICES, PROCEDURES, LAYOUTS, SIGNING, AND PAVEMENT MARKINGS INSTALLED WITHIN THE LIMITS OF THIS PROJECT SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS (MUTCD) AND THE IOWA ADMINISTRATIVE CODE PER 701 OF THE IOWA ADMINISTRATIVE CODE (IAC) CHAPTER 151.

IOWA
DEPARTMENT OF TRANSPORTATION
Highway Division
PLANS OF PROPOSED IMPROVEMENT ON THE
FARM-TO-MARKET SYSTEM
STORY COUNTY
HMA RESURFACING

On R-81, From E18 N. 0.9 Miles to Story City.

Refer to Proposal Form for a list of applicable specifications.

Project No. **FM-C085(181)--55-85**

Sheet Total: **4**

INDEX OF SHEETS

No.	Description
A01	TITLE SHEET
B01	QUANTITY INFORMATION SHEET
C01	TYPICAL SECTIONS SHEET
C02	TERRAIN SHEET

MILEAGE SUMMARY

Div.	Location	Ln. Ft.	Miles
1	STA. 0+21.0 TO STA. 43+46.0	4,325.00	0.820
Total		4,325.00	0.820

STANDARD ROAD PLANS

Number	Date	Title
PM-110	04-21-20	LINE TYPES
PM-3	04-18-18	SAFETY EDGE
PM-202	04-21-20	HOT MIX ASPHALT RESURFACING
PM-201	10-21-14	RUNDOUTS FOR RESURFACING
PM-202	10-21-14	NOTCHES FOR RESURFACING (WITH OR WITHOUT RUNDOUT)
TC-1	10-15-18	WORK NOT AFFECTING TRAFFIC (TWO-LANE OR MULTI-LANE)
TC-214	04-18-23	LANE CLOSURE WITH FLAGGERS FOR USE WITH PILOT CAR
TC-233	10-17-17	PAVEMENT MARKING OPERATIONS TWO-LANE
TC-282	10-19-18	UNEVEN LANES



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.
Signed: *T. J. Spadek* Date: **10-5-23**
By license renewal date is December 31, 2024.
Project or date covered by this seal:
(Circle extension unless specified here)

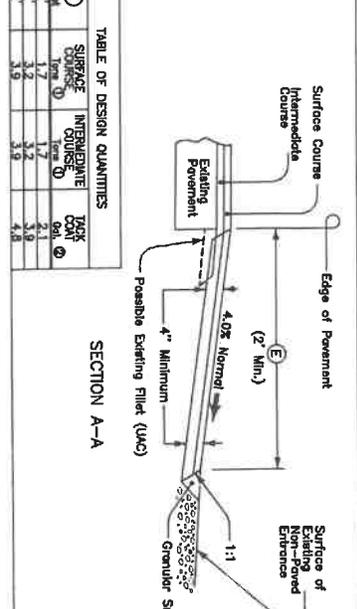
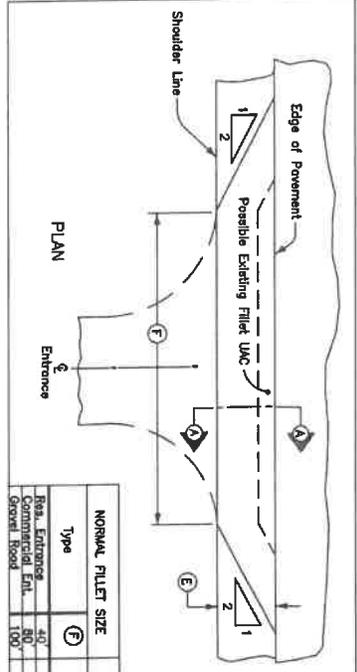
Accepted by:
Laura Wilson 10-6-23
Story County Engineer
Date

Approved Story County Board of Supervisors:
[Signature]
Board of Supervisors

Story County

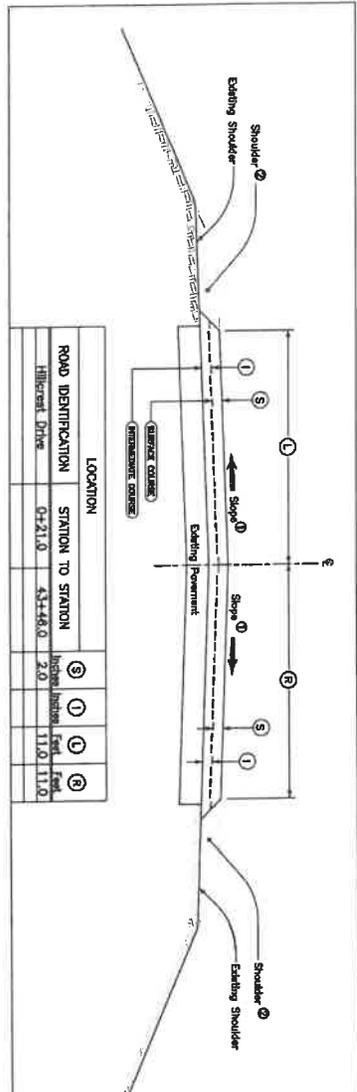
Project Number: **FM-C085(181)--55-85**

Sheet No. **A 01**



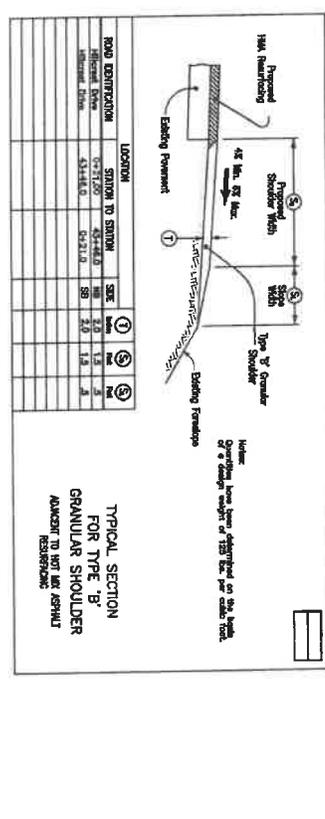
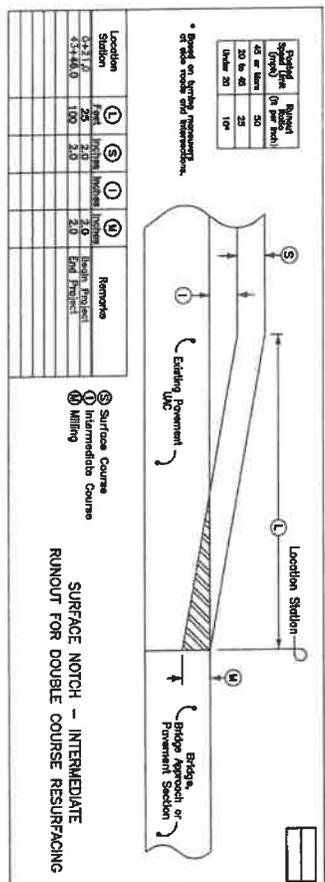
FILET FOR NON-PAVED ENTRANCES (HMA Resurfacing Project)

Notes:
 Construct uniform thickness fillet of non-paved entrances to form ditches and other features where practical, and of commercial entrances, and sidewalks.
 Special sloping of existing surface prior to placement of fillet may be required by the Engineer and is incidental to other work on the project.
 Fillet areas on back in the table are recommended and shall be used unless the Engineer specifies otherwise.
 The thickness of each individual fillet to accommodate conditions of the site.
 HMA quantities included with machine quantities:
 ① Estimated at 148 lbs./cu. ft.
 ② Estimated for 2 applications of 0.25 gal./sq. yd. The top coat quantities listed may be estimated when so directed by the Engineer.



TYPICAL CROSS SECTION HMA RESURFACING

Notes:
 ① Which finished slope to existing pavement, except that the maximum desirable slope is 5.0%, minimum desirable slope is 2.0%. Section may be modified as directed by the Engineer through notes of special notes.
 Refer to Substation filing of reconstruction curves and standard Road Plans for additional requirements through supplemental notes.
 ② Refer to shoulder options.



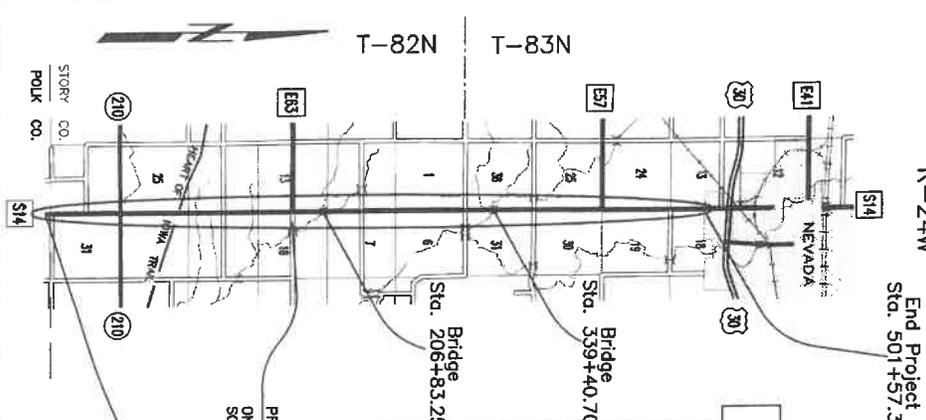
STORY COUNTY

Letting Date **JAN. 17, 2024**

HMA RESURFACING

Proj. No. **FM-C085(179)--55-85**

PROJECT TRAFFIC CONTROL PLAN
 THE ROAD WILL BE OPEN TO ONE LANE TRAFFIC DURING CONSTRUCTION. HOUSERS AND RESPONDERS TO TWO LANE TRAFFIC AT THE END OF EACH WORK SECTION. LOCAL TRAFFIC TO ADJACENT PROPERTIES WILL BE MAINTAINED AS MUCH AS POSSIBLE. TRAFFIC CONTROL DEVICES, PROCEDURES, LAYOUTS, SIGNING, AND PAVEMENT MARKINGS INSTALLED WITHIN THE LIMITS OF THIS PROJECT SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SIGNING (MUTCD) AND THE IOWA ADMINISTRATIVE CODE (IAC) CHAPTER 120, PER 701 OF THE IOWA ADMINISTRATIVE CODE (IAC) CHAPTER 120.
 ALL TRAFFIC CONTROL DEVICES SHALL BE PUNCHED, ERECTED, AND MAINTAINED BY THE CONTRACTOR.



IOWA DEPARTMENT OF TRANSPORTATION

Highway Division
 PLANS OF PROPOSED IMPROVEMENT ON THE
FARM-TO-MARKET SYSTEM
STORY COUNTY
HMA RESURFACING

On S-14, from Nevada City Limits, South 9.6 miles to Polk County Line.

Refer to Proposed Form for a list of applicable specifications.
 Scales: As Noted

LIMITS INCORPORATION

THE CONTRACTOR IS TO VISIT THE SITE TO ENSURE THAT HE IS FAMILIAR WITH EXISTING SITE CONDITIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ACCURATELY LOCATING ALL UTILITIES WITHIN THE WORK AREA. IF OTHER UTILITIES ARE DISCOVERED, THEY ARE TO BE PROTECTED AND DELETED FROM THE PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING IOWA ONE CALL AT LEAST 48 HOURS PRIOR TO BEGINNING WORK. (1-800-282-8889)

It shall be the contractor's responsibility to provide waste areas or disposal sites for excess material (excavated material or broken concrete) which is not desirable to be incorporated into the work involved on this project. These areas shall not impact wetlands or "Waters of the U.S." No payment for overhaul will be allowed for material hauled to these areas. No material shall be placed within the right-of-way, unless specifically stated in the plans.

DESIGN DATA RURAL
 2019 AADT 440-1300, V.P.D.
 Design: Standard Traffic

PROJECT LOCATION
 ON S-14, FROM NEVADA CITY LIMITS,
 SOUTH 9.6 MILES TO POLK COUNTY LINE

Begin Project Sta. -1+30.00
 End Project Sta. 501+57.30



Project No. **FM-C085(179)--55-85**

INDEX OF SHEETS

No.	Description
A-01	TITLE SHEET
B-01	TYPICAL SECTIONS SHEET
C-01	QUANTITY INCORPORATION SHEET
C-02-C-05	TRAFFIC CONTROL SHEET

MILEAGE SUMMARY

D/W	Location	Ln. Ft.	Miles
-	STA. -1+30.00 TO STA. 623+47.40	5,377.40	1.018
-	STA. 53+08.50 TO STA. 501+57.30	44,850.40	8.484
-	DEDUCT BRIDGE AT STA. 206+83.25	-178.00	-0.034
-	DEDUCT BRIDGE AT STA. 339+40.70	-50.00	-0.010
	Total	49,899.80	9.488

STANDARD ROAD PLANS

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

Number	Date	LINE TYPES
PA-110	04-21-90	STOP LINES AND ISLANDS
PA-120	10-21-14	TWO-LANE ROADWAY WITH NO TURN LANES (ONE-WAY STOP CONDITION)
PA-420	10-21-14	TWO-LANE ROADWAY WITH NO TURN LANES (ONE-WAY STOP CONDITION)
PR-201	10-21-14	NOTCHES FOR RESURFACING (WITH OR WITHOUT ROUND)
PR-202	10-21-14	NOTCHES FOR RESURFACING (WITH OR WITHOUT ROUND)
PR-3	04-18-18	SAFETY EDGE
PR-202	04-21-20	HOT MIX ASPHALT RESURFACING
TP-1	10-18-19	WORK NOT AFFECTING TRAFFIC (TWO-LANE OR MULTI-LANE)
TC-213	04-18-23	LANE CLOSURE WITH FLAGGERS
TC-214	04-18-23	LANE CLOSURE WITH FLAGGERS FOR USE WITH PILOT CAR
TC-223	10-17-17	PAVEMENT MARKING OPERATIONS TWO-LANE
TC-282	10-18-19	UNEVEN LANES



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Iowa.
 Signature: *Peter Spahr* Date: *10-5-23*
 Title: *Professional Engineer*
 Expires or expires renewed on: *December 31, 2024*
 (Enter expiration unless specified here)

Accepted by: *[Signature]* Date: *10-6-23*
 Story County Engineer
 Approved Story County Board of Supervisors: *[Signature]*

Story County

Project Number: **FM-C085(179)--55-85**

Sheet No. **A.01**

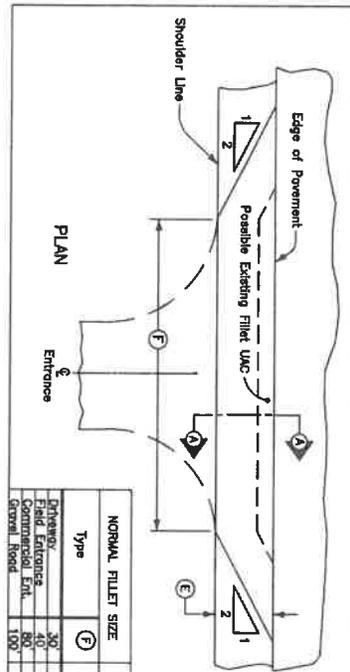
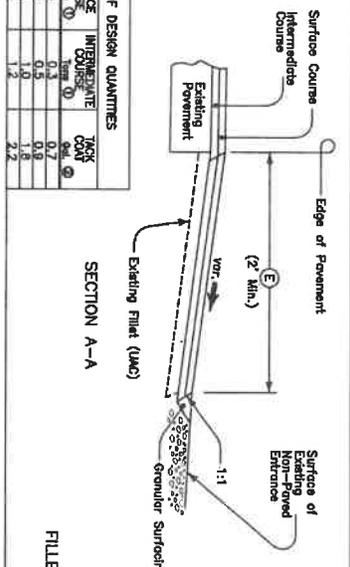
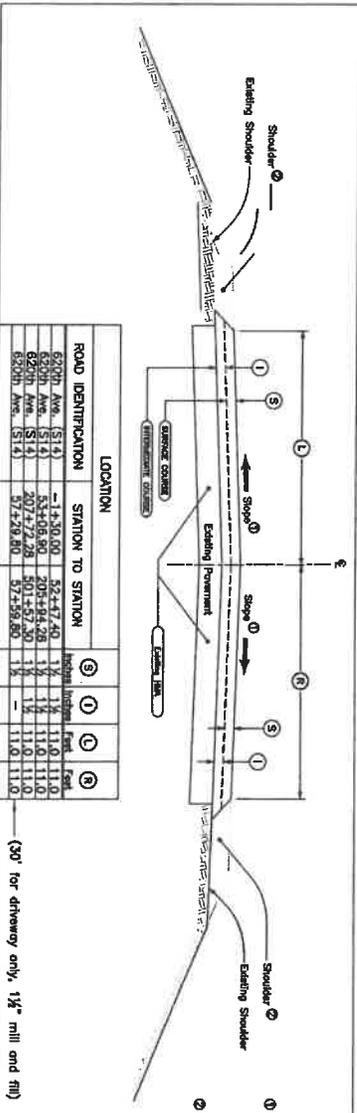


TABLE OF DESIGN QUANTITIES

Type	NORMAL FILLET SIZE (F)	SURFACE INCREMENT (E)		INTERMEDIATE COURSE INCREMENT (G)		MAX. DENS. (H)
		Feet	Yards	Feet	Yards	
Driveway	30	2	0.3	0.3	0.7	0.7
Field Entrance	40	2	0.5	0.5	0.8	1.8
Commercial Ent.	100	2	1.0	1.0	1.2	1.8
General Road	100	2	1.2	1.2	2.2	2.2



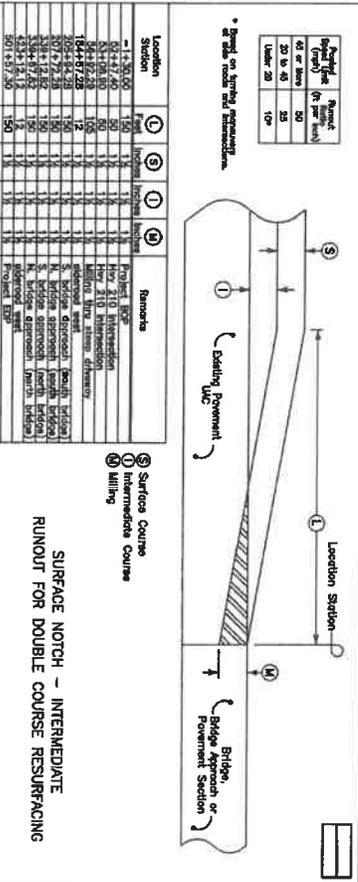
Notes:
 Construct uniform thickness fillet at non-joined entrances to form driveways and other entrances where practical, and at commercial entrances, and shoulders.
 Special shaping of existing surface prior to placement of fillet may be required by the Engineer and is incidental to other work on the project.
 Fillet size as listed in the table are recommended and shall be used unless otherwise specified. The Engineer shall specify the size of each individual fillet to accommodate conditions at the site.
 HMA quantities included with machine quantities.
 Estimated at 148 lbs./cu. ft.
 Estimated at 0.25 cu. yd./sq. yd. The cost for entrance fillet may be estimated when so directed by the Engineer.



ROAD IDENTIFICATION

ROAD IDENTIFICATION	STATION TO STATION	Normal	Feet	Feet
620th Ave. (S14)	-1+30.00	52+47.40	1/2	11.0
620th Ave. (S14)	53+05.80	205+94.28	1/2	11.0
620th Ave. (S14)	207+72.28	501+57.30	1/2	11.0
620th Ave. (S14)	57+29.80	57+58.80	1/2	11.0

Notes:
 1 Match finished slope to existing pavement, except that the maximum grade shall be 12% for the driveway and 15% for the shoulder. The system may be modified as directed by the Engineer.
 Refer to location table for supplemental notes and standard Road Plans for additional requirements through sequential courses.
 2 Refer to shoulder notes.



ROAD IDENTIFICATION

ROAD IDENTIFICATION	STATION TO STATION	Normal	Feet	Feet
620th Ave. (S14)	-1+30.00	56+15.00	1/2	3.0
620th Ave. (S14)	13+24.00	317+53.00	1/2	3.0
620th Ave. (S14)	-1+30.00	56+15.00	1/2	3.0
620th Ave. (S14)	13+24.00	317+53.00	1/2	3.0
620th Ave. (S14)	317+28.00	501+57.30	1/2	3.0

Notes:
 HMA quantities included with machine quantities.
 Estimated at 148 lbs./cu. ft.
 Estimated at 0.25 cu. yd./sq. yd. The cost for entrance fillet may be estimated when so directed by the Engineer.

QUANTITY INFORMATION SHEET

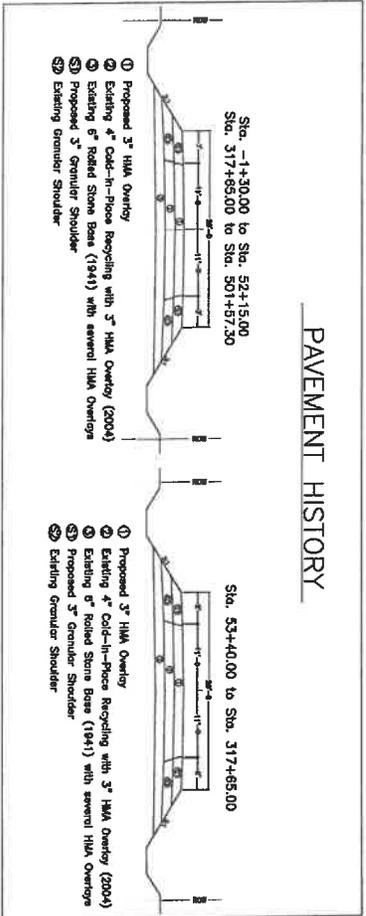
ESTIMATED PROJECT QUANTITIES OF QUANTITIES
(1 DIVISION PROJECT)

ITEM	ITEM CODE	ITEM	UNIT	TOTAL
1	2121-7425020	GRAVULAR SHOULDERS, TYPE B	TON	6,586.7
2	2212-0475095	CLEANING AND PREPARATION OF BASE	MI	9.5
3	2214-5145150	PAVEMENT SCARIFICATION	SY	1,237.4
4	2303-1032500	HMA, ST. INTERMEDIATE COURSE, 1/2 IN. MIX	TON	11,689.7
5	2303-1033500	HMA, ST. SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION	TON	11,689.7
6	2303-1258283	ASPHALT BINDER, PG 58-28S, STANDARD TRAFFIC	TON	1,402.8
7	2303-6911000	HMA PAVEMENT SAMPLES	LS	1.0
8	2303-7000610	PAYMENT ADJUSTMENT (LABORATORY VOIDS)	EACH	11,689.7
9	2303-7000620	PAYMENT ADJUSTMENT I/D FOR HMA MIXTURE (FIELD VOIDS)	EACH	11,689.7
10	2527-9263109	PAINTED PAVEMENT MARKINGS, WATERBORNE/SOLVENT	STA	2,155.41
11	2528-8445110	TRAFFIC CONTROL	LS	1.0
12	2528-8445113	FLAGGER	EACH	60.0
13	2528-8445115	PILOT CAR	EACH	15.0
14	2533-4980005	MOBILIZATION	LS	1.0

GENERAL NOTES

- Story County will mark out scarification sawcuts and ensure passing and end passing are marked. Heart of lowwa Trail realignment and reconstruction by others.
- Unless otherwise directed or authorized, all hot mix asphalt and other bituminous materials which are not specifically addressed or described in the contract documents shall become the property of the Contractor.
- The Contractor, in accordance with current rules and regulations of the Iowa Department of Natural Resources, may:
 - With the approval of the Engineer, blend or otherwise process the material for use with shoulder or special backfill aggregate, for use on the project.
 - With the approval of the Engineer, place with material in areas designated by the Engineer as Soil Aggregate Subbase without extra charge.
 - Remove the material from the project and stockpile for the contractor's future use.

PAVEMENT HISTORY



ESTIMATE REFERENCE INFORMATION

ITEM NO.	DESCRIPTION
1.	Item for 3' wide shoulders (on each side) from BOP to Sta. 52+15, then 2' wide (on each side) from Sta. 53+40 to Sta. 317+65, then 3' wide shoulders for the remainder of the project. See typical section on Sheet C-02 for details. Granular material quantity estimated using a unit weight of 125 lbs./ft ³ . Item includes all material, equipment and labor necessary to furnish, place and finish granular shoulders.
3.	Item for milling the transitions at EOP, and paved sidewalks. See Standard Road Plans PR-201 and PR-202 for details and tabulation on this sheet (below) for itemization and estimating.
4-5.	QMA shall apply. Quantity is for 3" thick (Standard Traffic design) overlay with 1 1/2" wide lanes. Quantity was estimated using 148 lbs./ft ² unit weight. Quantity includes 220,877 tons for entrance fillets and sidewalk intersections. Tack coat is incidental to this item.
6.	Binder was estimated at 8% for both intermediate and surface lifts.
10.	See tabulations on Sheets C-02-C-05 for pavement marking types, abbreviating, and quantities. Quantity includes an application of yellow centerline marking for both intermediate and surface lifts.
11.	Traffic Control Item shall include closures for the recreational trail at Sta. 85+35.
12.	Flagger quantity is an estimate only.
13.	Pilot Car quantity is an estimate only.

NOTCHES AND RUNOUTS FOR RESURFACING

Refer to PG-201 and PG-202.

LOCATION STATION	TYPE OF NOTCH OR RUNOUT	(S)	(T)	(R)	(A)	(M)	PAVEMENT SCARIFICATION SY	REMARKS
-1+30.00	NS	1.5	1.5	150	1.5	91.67		BOP midline
65+47.40	NS	1.5	1.5	90	1.5	40.48		300' midline
69+06.90	NS	1.5	1.5	90	1.5	89.59		300' midline
66+92.20	NS	1.5	1.5	106	1.5	256.79		Midline Ultra slope driveway location
89+74.4	NS	1.5	1.5	12	1.5	44.75		300th St. (2007)
90+56.6	NS	1.5	1.5	12	1.5	44.09		300th St. (2007)
905+94.28	NS	1.5	1.5	150	1.5	91.67		S. bridge approach (south bridge)
907+32.28	NS	1.5	1.5	150	1.5	91.67		S. bridge approach (south bridge)
911+72.6	NS	1.5	1.5	150	1.5	91.67		Driveway Ramp
989+12.82	NS	1.5	1.5	150	1.5	91.67		S. bridge approach (south bridge)
989+12.82	NS	1.5	1.5	150	1.5	91.67		S. bridge approach (south bridge)
989+12.82	NS	1.5	1.5	150	1.5	91.67		S. bridge approach (south bridge)
448+40.1	NS	1.5	1.5	9	1.5			Driveway Ramp
488+54.6	NS	1.5	1.5	9	1.5			Driveway Ramp
501+57.30	NS	1.5	1.5	150	1.5	91.67		BOP midline

TABLATIONS SHEET

PROJ No. FM-C085(179)--55-85

8PCV4 - Place on the same side of the roadway to match existing markings near the project.
 *NPV4 - For delineating purposes only. No flashing zone lines will be located in the NAD.
 DCV4: Broken Centerline (Yellow) @ 0.25
 BLW4: Broken Lane Line (White) @ 0.25

DCV4: Double Centerline (Yellow) @ 2.00
 BLW4: Edge Line Right (White) @ 1.00

NPV4: No Flashed Zone Line (Yellow) @ 1.25
 ELV4: Edge Line Left (Yellow) @ 1.00

SB24: Stop Bar (White) @ 6.00

PAVEMENT MARKING LINE TYPES

See Plan-110
 *MNTV4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

Road ID	Station to Station	Dir. of Travel	Temporary Marking Type	Side		BCV4*		DCV4		NPV4*		BLW4		ELW4		ELV4		SB24		Remarks	
				L	R	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA		STA
620th Ave. (S14)	53+06.9	S	SB																		
620th Ave. (S14)	53+06.9	N	Permittent	X	X				8.400												
620th Ave. (S14)	61+46.9	N	Permittent	X	X				9.399												
620th Ave. (S14)	70+86.8	N	Permittent	X	X				0.506												
620th Ave. (S14)	71+37.4	N	Permittent	X	X																
620th Ave. (S14)	79+55.1	N	Permittent	X	X				8.177												
620th Ave. (S14)	80+30.4	N	Permittent	X	X				0.753												
620th Ave. (S14)	80+30.4	N	Permittent	X	X				9.144												
620th Ave. (S14)	89+44.8	N	Permittent	X	X				0.156												
620th Ave. (S14)	89+44.8	N	Permittent	X	X				9.038												
620th Ave. (S14)	89+60.4	N	Permittent	X	X				2.114												
620th Ave. (S14)	89+60.4	N	Permittent	X	X				8.288												
620th Ave. (S14)	100+75.6	N	Permittent	X	X																
620th Ave. (S14)	100+75.6	N	Permittent	X	X				2.285												
620th Ave. (S14)	109+02.4	N	Permittent	X	X																
620th Ave. (S14)	109+02.4	N	Permittent	X	X				2.285												
620th Ave. (S14)	111+13.9	N	Permittent	X	X																
620th Ave. (S14)	111+13.9	N	Permittent	X	X				4.619												
620th Ave. (S14)	115+93.8	N	Permittent	X	X																
620th Ave. (S14)	115+93.8	N	Permittent	X	X				2.027												
620th Ave. (S14)	117+96.5	N	Permittent	X	X																
620th Ave. (S14)	123+54.5	N	Permittent	X	X				8.986												
620th Ave. (S14)	123+54.5	N	Permittent	X	X																
620th Ave. (S14)	134+54.1	N	Permittent	X	X																
620th Ave. (S14)	134+54.1	N	Permittent	X	X				12.488												
620th Ave. (S14)	147+02.9	N	Permittent	X	X																
620th Ave. (S14)	147+02.9	N	Permittent	X	X				1.786												
620th Ave. (S14)	148+81.5	N	Permittent	X	X																
620th Ave. (S14)	148+81.5	N	Permittent	X	X				3.836												
620th Ave. (S14)	152+85.1	N	Permittent	X	X																
620th Ave. (S14)	152+85.1	N	Permittent	X	X				4.748												
620th Ave. (S14)	157+39.8	N	Permittent	X	X																
620th Ave. (S14)	157+39.8	N	Permittent	X	X				9.917												
620th Ave. (S14)	167+31.8	N	Permittent	X	X																
620th Ave. (S14)	167+31.8	N	Permittent	X	X				1.369												
620th Ave. (S14)	168+68.5	N	Permittent	X	X																
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620th Ave. (S14)	178+38.2	N	Permittent	X	X																
620th Ave. (S14)	178+38.2	N	Permittent	X	X				0.212												
620th Ave. (S14)	187+46.8	N	Permittent	X	X																
620th Ave. (S14)	187+46.8	N	Permittent	X	X				8.984												
620th Ave. (S14)	197+82.9	N	Permittent	X	X																
620th Ave. (S14)	197+82.9	N	Permittent	X	X				59.451												
620th Ave. (S14)	254+92.9	N	Permittent	X	X																
620th Ave. (S14)	254+92.9	N	Permittent	X	X				8.322												
620th Ave. (S14)	293+15.1	N	Permittent	X	X																
620th Ave. (S14)	293+15.1	N	Permittent	X	X				0.161												
620th Ave. (S14)	297+33.8	N	Permittent	X	X																
620th Ave. (S14)	297+33.8	N	Permittent	X	X				6.525												
620th Ave. (S14)	298+06.3	N	Permittent	X	X																
620th Ave. (S14)	298+06.3	N	Permittent	X	X				1.548												
620th Ave. (S14)	298+43.1	N	Permittent	X	X																
620th Ave. (S14)	298+43.1	N	Permittent	X	X				3.927												
620th Ave. (S14)	298+36.9	N	Permittent	X	X																
620th Ave. (S14)	298+36.9	N	Permittent	X	X				1.851												
620th Ave. (S14)	307+32.6	N	Permittent	X	X																
620th Ave. (S14)	307+32.6	N	Permittent	X	X				4.837												
620th Ave. (S14)	313+78.5	N	Permittent	X	X																
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620th Ave. (S14)	315+36.7	N	Permittent	X	X																
620th Ave. (S14)	315+36.7	N	Permittent	X	X				1.582												
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620th Ave. (S14)	348+09.4	N	Permittent	X	X				2.803												
620th Ave. (S14)	358+02.1	N	Permittent	X	X																
620th Ave. (S14)	358+02.1	N	Permittent	X	X				2.378												
620th Ave. (S14)	368+39.9	N	Permittent	X	X																
620th Ave. (S14)	368+39.9	N	Permittent	X	X				8.834												
620th Ave. (S14)	378+42.3	N	Permittent	X	X																
620th Ave. (S14)	378+42.3	N	Permittent	X	X				10.090												

Sheet 3

83,436	60,287	182,831	0.25	2.00	1.25	0.25	1.00	1
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Online Solutions LLC
1101 E. Warner Rd Suite 160
Tempe, AZ 85284 US
(800)325-9818x703
jim@citizenserve.com
www.citizenserve.com



PAST DUE

BILL TO
Story County
ATTN: Amelia Schoeneman
Planning and Development
900 6th Street
Nevada, IA 50201

INVOICE #	DATE	TOTAL DUE	DUE DATE	TERMS	ENCLOSED
4908	12/07/2022	\$25,200.00	12/07/2022	Due on receipt	

DESCRIPTION	QTY	RATE	AMOUNT
Annual Billing	14	1,800.00	25,200.00
Annual billing for 14 Citizenserve user subscriptions (09/15/2023 - 09/14/2024)			
BALANCE DUE			\$25,200.00

APPROVED **DENIED**

Board Member Initials: _____

Meeting Date: 10/17/23

Follow-up action: _____



STORY COUNTY

Facilities Management

JOBY BROGDEN

Director
515.382.7401

JON EICKHOLT

Assistant
515.382.7402

Story County Administration
900 6th St.

Nevada, Iowa 50201
515.382.7404 FAX

APPROVED **DENIED**

Board Member Initials: [Signature]

Meeting Date: 10/17/23

Follow-up action: Approved the Ziegler Quote

DATE: October 2, 2023

TO: Board of Supervisors

From: Joby J. Brogden

RE: Justice Center Generator Repairs

Facilities Management Department would like to request additional funds in our FY-24 operating budget to cover critical generator repairs for the Justice Center Facility.

The Justice Center has dual back-up generators, each capable of providing full back-up power for the entire facility. Due to the type of facility we have redundancy for our back-up power supply. These generators are identical and when needed are run parallel together to reduce the work load of each individual unit and allow for more efficient operation.

Back in June we began having unstable voltage supply issues with the West generator. The problem was diagnosed as a faulty voltage regulator with-in the generator. This component is responsible for taking the produced power from the generator and stabilizing it to provide consistent voltage to the facility; this protects all the electronic components and equipment with-in the facility. The faulty voltage regulator has been replaced with a used unit at this time, to allow us to maintain redundancy for the system.

Unfortunately, due to advancement in this technology, the current voltage regulators for each unit are obsolete. The voltage regulator works in conjunction with electronic programmable controllers in the automatic load transfer switches. The replacement voltage regulators are not compatible with the existing controllers so the repair requires the voltage regulator and programmable controller be replaced as a package. Given that we have two generators running in parallel with one another, for us to maintain the ability to continue this operation and maintain redundancy we would need to perform the replacement on both generators.

Due to the nature of the facility, full redundant back-up power is a necessity, I would recommend the repairs to be performed as soon as possible.

Facilities Management sought two proposals to have the work performed. Both service companies are approved Caterpillar service providers.

Proposal costs below:

Altorfer Power Systems, Cedar Rapids IA - \$21,855.80 per generator set, plus undetermined Travel/Mileage/Per Diem costs.

Ziegler Power Systems, Altoona IA - \$25,919.74 per generator set.

Facilities Management recommends going with Ziegler Power Systems, they provided a complete cost proposal with no "to be determined" additional costs.

Total request for repairs to both generators would be approximately **\$51,839.48**

Proposal by

Date: August 15th 2023



Proposal No. AFS23-149rev-a

1500 Ziegler Drive
Altoona, IA 50009

TO: STORY COUNTY ADMINISTRATION
900 6TH ST NEVADA, IA 50201

RE: Generator controller upgrade.

Attn: Jon Eickholt

Generator Serial Number 9EP00572 or 9EP00573

WE PROPOSE TO FURNISH IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, TERMS AND CONDITIONS

Ziegler proposes to upgrade the obsolete EMCP2 generator controller with a new EMCP4.2b on generator serial number 9EP00572 or 9EP00573.

- Includes parts, labor, and travel necessary to replace, reprogram and test the EMCP 4.2b controller and local annunciator after installation.
- Includes 1 remote annunciator for each unit.
- I/O communication module is available if needed but is not included.
- Rental generator if needed is not included in this quote.

Travel to and from site location	\$ 1,247.40
Necessary parts and materials	\$ 10,373.18
Necessary Labor	\$ 7,896.00
Misc & Env. Fee	\$ 399.43
Estimate total	\$ 19,916.01

***Please note this estimate is for each generator set.**

***Please Note the following:**

- Estimated price does not include applicable sales/local option taxes. Ziegler CAT's Standard Terms and Conditions apply.
- This estimate covers only the scope of work expressly stated in the above scope of work. Any other work necessary to the completion of this project that is not expressly stated above is not included.

ACCEPTED:

Respectfully submitted,
ZIEGLER INC.

By

By

Jerald J. Yonker for Bob Mullenbach

Subject to approval by

APPROVED:

ZIEGLER INC.

Its

By

Ziegler Power Systems
Page 2

Customer Responsibilities

- Provide access to facility and equipment as required to perform this scope of work.
- Provide facility contact name and phone number for all scheduling and related activities.
- Provide a clean, safe, and well-lit work environment for Ziegler and their sub-contractors, if any.

Project Cost

- This pricing based on all work performed on a non-holiday weekday during normal business hours with minimal standby time.

Warranty

- Warranty on this proposal will be 12 months on workmanship and Caterpillar manufactured parts. Non-Caterpillar manufactured parts will be limited to the warranty offered by the part manufacturer.

Notes

- A signed agreement and Purchase Order is required to confirm initiation of the project.
- This proposal based on providing the items and labor as required to complete the scope of this work. It does not include any additional parts or labor to repair any unknown or hidden damage to existing equipment or material. Ziegler Power Systems will request authorization to proceed prior to making and remedial repairs.
- If tax exempt, please provide a copy of your tax exemption certificate. Otherwise, sales and any other applicable taxes will be added.
- Order will be invoiced 100% upon completion.
- This proposal is valid for 30 days from date shown.

Proposal by

Date: August 11th 2023



Proposal No. AFS23-150

1500 Ziegler Drive
Altoona, IA 50009

TO: STORY COUNTY ADMINISTRATION
900 6TH ST NEVADA, IA 50201

RE: CDVR upgrade.

Attn: Jon Eickholt

Generator Serial Numbers 9EP00572 or 9EP00573

WE PROPOSE TO FURNISH IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, TERMS AND CONDITIONS

Ziegler proposes to upgrade the currently installed voltage regulator to the current CDVR voltage regulator on generator serial numbers 9EP00572 or 9EP00573.

Travel to and from site location	\$ 415.80
Necessary parts and materials	\$ 3,380.06
Necessary Labor	\$ 2,100.00
Misc & Env. Fee	\$ 107.87
Estimate total	\$ 6,003.73 Ea.

Please note this estimate is for each generator set. *kd*

***Please Note the following:**

- Estimated price does not include applicable sales/local option taxes. Ziegler CAT's Standard Terms and Conditions apply.
- This estimate covers only the scope of work expressly stated in the above scope of work. Any other work necessary to the completion of this project that is not expressly stated above is not included.

ACCEPTED:

By

Latifah Tuzal, BOS Chair

Its

Respectfully submitted,
ZIEGLER INC.

By

Jerald J. Yonker for Bob Mullenbach

Subject to approval by

ZIEGLER INC.

By

APPROVED:

Ziegler Power Systems
Page 2

Customer Responsibilities

- Provide access to facility and equipment as required to perform this scope of work.
- Provide facility contact name and phone number for all scheduling and related activities.
- Provide a clean, safe, and well-lit work environment for Ziegler and their sub-contractors, if any.

Project Cost

- This pricing based on all work performed on a non-holiday weekday during normal business hours with minimal standby time.

Warranty

- Warranty on this proposal will be 12 months on workmanship and Caterpillar manufactured parts. Non-Caterpillar manufactured parts will be limited to the warranty offered by the part manufacturer.

Notes

- A signed agreement and Purchase Order is required to confirm initiation of the project.
- This proposal based on providing the items and labor as required to complete the scope of this work. It does not include any additional parts or labor to repair any unknown or hidden damage to existing equipment or material. Ziegler Power Systems will request authorization to proceed prior to making and remedial repairs.
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