A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: April 17, 2012
Date of Addendum: April 9, 2012

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
00A	78-0293-080-M	BRIDGE NEW - STEEL GIRDER	POTTAWATTAMIE	IM-NHS-029-3(80)52--03-78 IM-NHS-029-3(81)52--03-78 IM-NHS-029-3(86)52--03-78 IM-NHS-029-3(87)52--03-78 IM-NHS-029-3(94)52--03-78 IM-NHS-029-3(95)52--03-78	17APR00A.A01

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 Special Provisions List and the Proposal Special Provisions Text.:

Add the following Special Provisions:

SP-090193 April 17, 2012

SPECIAL PROVISIONS FOR EMERGENCY ACTION PLAN
Pottawattamie County IM-NHS-029-3(80)52--03-78 &
IM-NHS-029-3(81)52--03-78

Attached: SP-090193

Make the following changes to plan IM-NHS-029-3(80)52--03-78:

Plan Sheet Number 3, Delete General Note:

CORROSION INHIBITOR IN LIEU OF EPOXY COATED REINFORCING IS NOT PERMITTED.

Plan Sheet J.1:

Replace plan sheet J.1 with attached plan sheet J.1.
Note: Tabulation 108-23 has been updated.

Make the following changes to plan IM-NHS-029-3(81)52--03-78:

Plan Sheet Number 3, Add the following Design Stresses note:

FATIGUE STRESSES BASED ON INFINITE LIFE

Plan Sheet J.1:

Replace plan sheet J.1 with attached plan sheet J.1.
Note: Tabulation 108-23 has been updated.

Make the following changes to plan IM-NHS-029-3(86)52--03-78:

Plan Sheet C.9:

Replace plan sheet C.9 with attached plan sheet C.9.
Note: Tabulation 108-23A has been updated.

Plan Sheets F.1, F.2, F.3, F.4, F.5, F.8, F.9, F.10, F.11, and F.12:

Replace plan sheets F.1, F.2, F.3, F.4, F.5, F.8, F.9, F.10, F.11, and F.12 with attached plan sheets F.1, F.2, F.3, F.4, F.5, F.8, F.9, F.10, F.11, and F.12.
Note: These sheets were replaced to reflect curve and/or superelevation data.

Plan Sheet U.3:

Replace plan sheet U.3 with attached plan sheet U.3.
Note: For Information only was removed from Typical LEV-2.

Make the following changes to plan IM-NHS-029-3(87)52--03-78:

Plan Sheet B.1:

Replace plan sheet B.1 with attached plan sheet B.1.
Note: Typical DET-1, note 2 was edited.

Plan Sheet C.1:

Replace plan sheet C.1 with attached plan sheet C.1.
Note: Description for Item No’s 3 and 4 were edited.

Plan Sheet F.2:

Replace plan sheet F.2 with attached plan sheet F.2.
Note: This sheet was replaced to reflect curve and/or superelevation data.

Plan Sheet J.1:

Replace plan sheet J.1 with attached plan sheet J.1.
Note: Tabulation 108-23 has been updated.

Make the following changes to plan IM-NHS-029-3(94)52--03-78:

Plan Sheets C.1 and C.2:

Replace plan sheets C.1 and C.2 with attached plan sheets C.1 and C.2.
Note: References to delivery of salvaged items has been removed from Estimate Reference Information tabulations.

Plan Sheet C.4:

Replace plan sheet C.4 with attached plan sheet C.4.
Note: Tabulation 108-23 has been updated.

Make the following change to plan IM-NHS-029-3(95)52--03-78:

Plan Sheet C.02:

Replace plan sheet C.02 with attached plan sheet C.02.
Note: Tabulation 108-23 has been updated.

Iowa Department of Transportation

SPECIAL PROVISION
FOR
EMERGENCY ACTION PLAN

Pottawattamie County
IM-NHS-029-3(80)52--03-78
IM-NHS-029-3(81)52--03-78

Effective Date
April 17, 2012

THE STANDARD SPECIFICATIONS, SERIES 2009, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.

090193.01 DESCRIPTION.

A. Levee Unit Name: Council Bluffs Levee Unit, Ag Levee L-627 - Section 1
Missouri River - Council Bluffs Flood Protection

Local Sponsor: City of Council Bluffs, Iowa

River Miles: M0.00 to about M0.63 – Council Bluffs Levee Unit
About M10.7 – Ag Levee Unit L-627, Section 1

Levee Stations: 396+00 to about 428+00 – Council Bluffs Levee Unit
About 501+00 - Ag Levee Unit L-627, Section 1

Project Name: Council Bluffs Interstate System – Segment 2
Reconstruction of I-29 / I-80 West System Interchange
Pottawattamie County, Iowa

B. The Iowa Department of Transportation is proceeding with the reconstruction of the I-29 / I-80 West System Interchange (Segment 2) as a part of the Council Bluffs Interstate System. The work for Segment 2 involves the construction of new roadway embankments, bridge structures and a relocated portion of an existing levee. The levees affected by this construction include the Council Bluffs Levee Units and Agricultural Levees L-627, which were a part of the Council Bluffs Flood Protection System that was originally designed and constructed by the Omaha District of the U.S. Army Corps of Engineers (USACE) in the early 1950's. A large portion of the interstate reconstruction will take place within the "critical area" of the levee, which is defined by the USACE as the area within 300 feet riverward and 500 feet landward of the levee.

The work covered by this Emergency Action Plan addresses the construction activities associated with:

- Piers 1 through 4 of the I-29 Southbound Bridge along the Council Bluffs Levee Unit; and
- Pier 1 of the Ramp H NE Connector along the Ag Levee Unit L-627, Section 1.

090193.02 CONSTRUCTION REQUIREMENTS.

A. Preparation of Emergency Action Plan.

Prior to construction, the General Contractor shall prepare and follow an Emergency Action Plan (EAP) which will address the requirements presented in this document and the procedures for high water conditions during construction. The EAP shall include emergency contact information, including cell phone and pager numbers of the project manager, project superintendant and foreman. The numbers provided shall be monitored 24 hours a day, 7 days a week.

B. Construction Limitations.

The General Contractor shall ensure that the proposed construction will not involve any additional landward or riverward excavations in the critical area that may impact the levee at any time during construction except as shown in the approved plans and specifications.

C. Geotechnical Information.

The geotechnical information for the design and construction of the existing levee is provided in the document entitled "Final Report – Relocation of Council Bluffs Levee Unit / Ag Levee Unit L-627 – Section 1, Council Bluffs Interstate System Segment 2, Interstates 80 and 29 Interchange, Pottawattamie County, Iowa," prepared by HDR, Inc., dated November, 2010. This document will be made available to the Contractor. Contact the Office of Contracts – Highway Division – Iowa D.O.T. – Ames.

090193.03 CONTRACTOR'S EMERGENCY ACTION PLAN.

A. Contents of EAP.

1. The contents of the Contractor's EAP will present a detailed staging plan and all provisions in the Contract Documents so that the integrity of the levee system and its ability to provide flood protection will be maintained throughout the entire duration of construction. The Contractor's EAP shall be submitted for approval by the Engineer at least 21 days prior to construction within the critical area.

2. The proposed construction will be performed during flood and non-flood event periods, including the work on the top, riverside and landside of the existing levee. The potential does exist for the river to rise to flood level during the proposed construction and provisions will be in place to address this potential.

B. Procedures.

The following procedures shall be in place to address an emergency situation:

1. Daily Monitoring.

The water level in the Missouri River shall be monitored on a daily basis by the General Contractor and the Iowa DOT. The extended forecast of future river levels shall also be monitored.

2. Monitoring Agencies.

The river level shall be monitored through USGS and National Weather Service websites for River Gage - 06610000 Missouri River at Omaha, NE.

- http://waterdata.usgs.gov/ne/nwis/uv/?site_no=06610000&amp
- http://www.riverwatch.noaa.gov/forecasts/OAXRDOAX.php

3. Ceasing Operation.
Construction operations will cease in the event the river levels are within 5 feet (Elevation 969.4) of the published flood stage of 29 feet (Elevation 974.4 feet) as defined by USACE. The 100-year flood elevation at this location is 982.7 feet. The 500-year flood elevation is 984.0 feet.

4. Construction Equipment.
The General Contractor shall provide a list of all construction equipment that will be present throughout the duration of construction within the critical area. All equipment, construction materials and stockpiled soils will be removed in the event of high water and relocated to the landside of the levee during high water events.

5. Emergency Backfilling.
During excavation and construction of the proposed bridge piers, if the river level reaches an elevation within 3 feet of the base of excavation, emergency backfilling shall be commenced. The rate of emergency backfilling shall exceed the rate of the rising river. Soils excavated from the pier construction shall be used as emergency backfill,

6. Notification of Ceased Construction.
The City of Council Bluffs and USACE representatives will be notified when the decision has been made to cease construction operations. The City of Council Bluffs and the USACE representatives will be notified prior to resumption of construction.

090193.04 EMERGENCY CONTACT INFORMATION.

A. City of Council Bluffs.
Jeff Krist, P.E.
City of Council Bluffs, Public Works Dept.
290 Pearl Street
Council Bluffs, Iowa 51503
Phone: 712-328-4635 (office)
Email: jkrist@councilbluffs-ia.gov

Pat Miller, Operations Manager
Phone: 402-510-2700 (cell)

Chuck Pendegraf, Levee Superintendant
Phone: 402-510-3675 (cell)

B. IDOT Resident Construction Engineer.
Iowa Department of Transportation
3538 S. Expressway
Council Bluffs, Iowa 51501
712-366-0568
Email: Provided at Preconstruction Conference

C. IDOT District 4 Construction Engineer.
George Feazell, P.E.
2210 East 7th Street
Atlantic, Iowa 50022
712-243-3355
Email: George.Feazell@dot.iowa.gov

D. Designer Contact.

Patrick Poepsel, P.E.
HDR, Inc.
8404 Indian Hills Drive
Omaha, Nebraska 68114
Phone: 402-399-1368
Email: Patrick.Poepsel@hdrinc.com

E. USACE – Omaha District.

Chris Horihan, P.E.
USACE – Readiness Branch
1616 Capitol Avenue, Suite 9000
Omaha, Nebraska 68102-4926
Phone: 402-995-2700
Email: Christopher.j.horihan@usace.army.mil

090193.05 METHOD OF MEASUREMENT AND BASIS OF PAYMENT.

All costs for complying with this special provision shall be considered incidental to the project. No separate payment will be made.

TRAFFIC CONTROL PLAN

108-23
04-04-89

1. Traffic will be maintained on I-80 at all times. No Lane closures will be allowed during the College World Series and U.S. Olympic Swim Trials. Otherwise, lane closures will be allowed:
Sunday 10:00 PM - Monday 6:00 AM.
Monday 10:00 PM - Tuesday 6:00 AM.
Tuesday 10:00 PM - Wednesday 6:00 AM.
Wednesday 10:00 PM - Thursday 6:00 AM.
Thursday 10:00 PM - Friday 6:00 AM.
Friday 10:00 PM - Saturday 5:00 AM.
Saturday 10:00 PM - Sunday 10:00 AM.

Shoulder closures will be allowed during non-peak hours or by permission of the engineer only. Peak hours are 6AM to 9AM and 3 PM to 6PM, Monday thru Saturday.

2. Closures for setting bridge beams over the Interstate will be allowed at the following times:
Sunday 12:00 Midnight - Monday 4:00 AM.
Monday 12:00 Midnight - Tuesday 4:00 AM.
Tuesday 12:00 Midnight - Wednesday 4:00 AM.
Wednesday 12:00 Midnight - Thursday 4:00 AM.
Thursday 12:00 Midnight - Friday 4:00 AM.

3. Traffic control on this project shall be found in accordance with the TC series of Standard Road Plans found in Tab. 105-4. For additional complementary information, refer to part 6 of the Manual on Uniform Traffic Control devices and the current Standard Specifications.

STAGING NOTES

108-26
08-30-88

Detour for Beam Setting over I-80 EB lanes See Sheet J.2

Close I-80 EB as shown on J.2

Detour 1 Route for Beam Setting over EB I-80 See J.2:
I-80 EB to I-29 NB Ramp
Exit at Nebraska Ave.
West on Nebraska Ave. onto I-29 SB ramp
I-29 SB to I-80 EB

Detour for Beam Setting over I-80 EB/I-29 NB ramp and I-80 WB See J.3

Close I-80 WB and I-80 EB/I-29 NB Ramp as shown on J.3.

Detour 2 for WB I-80:
I-80 WB to I-80 WB/I-29NB RAMP
Exit at Nebraska Ave.
West on Nebrask Ave. onto SB I-29 Ramp
SB I-29 to I-29 SB/I-80 WB Ramp
To WB I-80

Detour 3 for I-80 EB/I-29 NB Ramp:

I-80 EB to 24th Street Exit
Exit at 24th Street
North on 24th Street onto I-80 WB Ramp
West on I-80 WB
Exit onto I-80 WB/I-29 NB Ramp
To NB I-29

Design No. 612
File No. 30169

ENGLISH	IOWA DOT	DESIGN TEAM Skogerboe\Schoenrock	POTTAWATTAMIE COUNTY	PROJECT NUMBER IM-NHS-029-3(80)52--03-78	SHEET NUMBER J.1

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TRAFFIC CONTROL PLAN

108-23
04-04-89

1. Traffic will be maintained on I-80/I-29 at all times.
No Lane closures will be allowed during the College World Series and the Olympic Swim Trials. Otherwise, lane closures will be allowed:
Sunday 10:00 PM - Monday 6:00 AM.
Monday 10:00 PM - Tuesday 6:00 AM.
Tuesday 10:00 PM - Wednesday 6:00 AM.
Wednesday 10:00 PM - Thursday 6:00 AM.
Thursday 10:00 PM - Friday 6:00 AM.
Friday 10:00 PM - Saturday 5:00 AM.
Saturday 10:00 PM - Sunday 10:00 AM.

Shoulder closures will be allowed during non-peak hours or by permission of the engineer only. Peak hours are 6AM to 9AM and 3PM to 6 PM, Monday thru Saturday.

2. Closures for setting bridge beams over the Interstate will be allowed as follows:

Sunday 12:00 Midnight - Monday 4:00 AM.
Monday 12:00 Midnight - Tuesday 4:00 AM.
Tuesday 12:00 Midnight - Wednesday 4:00 AM.
Wednesday 12:00 Midnight - Thursday 4:00 AM.
Thursday 12:00 Midnight - Friday 4:00 AM.

3. Traffic control on this project shall be found in accordance with the TC series of Standard Road Plans found in Tab. 105-4. For additional complementary information, refer to part 6 of the Manual on Uniform Traffic Control devices and the current Standard Specifications.

STAGING NOTES

108-26
08-30-88

Detour for Beam Setting over I-80 EB lanes See Sheet J.2

Close I-80 EB as shown on J.2

Detour 1 Route for Beam Setting over EB I-80 See J.2:
I-80 EB to I-29 NB Ramp
Exit at Nebraska Ave.
West on Nebraska Ave. onto I-29 SB ramp
I-29 SB to I-80 EB

Detour for Beam Setting over I-29 SB and I-80 WB See J.3 and J.4

Close I-80 WB and I-29 SB as shown on J.3 and J.4.

Detour 2 for WB I-80:
I-80 WB to I-80 WB/I-29NB RAMP
Exit at Nebraska Ave.
West on Nebrask Ave. onto SB I-29 Ramp
SB I-29 to I-29 SB/I-80 WB Ramp
To WB I-80

Detour 3 for I-29 SB:

I-80 WB to 13th Street Exit in Nebraska
Exit at 13th Street
South on 13th Street onto I-80 EB Ramp
East on I-80 EB
Exit onto I-80 WB/I-29 SB Ramp
To SB I-29

Design No. 512
File No. 30169

ENGLISH	IOWA DOT	DESIGN TEAM SKOGERBOE\SCHOENROCK\ABRAMS	POTTAWATTAMIE COUNTY	PROJECT NUMBER IM-NHS-029-3(81)52--03-78	SHEET NUMBER J.1

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LOCATION OF TABULATIONS

111-25
04-21-09

Tabulation	Sheet No.	Tabulation	Sheet No.	Tabulation	Sheet No.
100-1A	C.1	102-5	C.15	100-17	C.25
100-4A	C.2-C.6	110-7A	C.16	100-18	C.25
105-4	C.6	108-30	C.16	112-4	C.26
110-12A	C.8	110-2	C.17	110-5	C.26
111-25	C.9	110-1	C.17	100-7	C.26
108-23A	C.9	110-9	C.17	100-27	C.26
102-15	C.9	108-29	C.18	112-9	C.27
108-26A	C.10	108-13A	C.18	104-5B	C.28
104-3	C.11	102-4	C.18	SK-1	C.28
100-24	C.12	113-2	C.18	SK-3	C.29
108-8A	C.13	108-22	C.19-C.20		
107-23	C.13	103-5	C.21		
108-8C	C.13	103-1	C.21		
104-8	C.14	103-7	C.21		
104-8A	C.14	104-9	C.22		
108-27	C.15	104-5C	C.23		
108-33	C.15	103-4	C.24		

TRAFFIC CONTROL PLAN

108-23A
10-29-02

1. TRAFFIC ON I-80, I-29, 24TH ST. AND NEBRASKA AVE. WILL BE MAINTAINED AT ALL TIMES.
2. LAKE MANAWA PARK CITY STREETS SHALL NOT BE USED AS HAUL ROADS FROM BORROW #27
3. LANE CLOSURES WILL NOT BE ALLOWED DURING THE COLLEGE WORLD SERIES AND U.S. OLYMPIC SWIM TRIALS.
   LANE CLOSURES WILL BE ALLOWED DURING THE FOLLOWING PERIODS:
   Sunday 10:00 PM - Monday 6:00 AM
   Monday 10:00 PM - Tuesday 6:00 AM
   Tuesday 10:00 PM - Wednesday 6:00 AM
   Wednesday 10:00 PM - Thursday 6:00 AM
   Thursday 10:00 PM - Friday 6:00 AM
   Friday 10:00 PM - Saturday 5:00 AM
   Saturday 10:00 PM - Sunday 10:00 AM
4. TRAFFIC SIGNAL HEADS ON 24TH ST. AND RAMP "B" SHALL BE ADJUSTED FOR TEMPORARY DETOUR LANE SHIFTS.
5. SHOULDER CLOSURES WILL BE ALLOWED DURING NON-PEAK HOURS OR BY PERMISSION OF ENGINEER ONLY. PEAK HOURS ARE 6AM TO 9AM AND 3PM TO 6PM, MONDAY THRU SATURDAY.

STAGE 1

1. MAINTAIN I-80 TRAFFIC ON EXISTING LANES.
2. MAINTAIN I-29 SB TRAFFIC ON EXISTING LANES. (SEE J-SHEETS FOR CONSTRUCTION EQUIPMENT ACCESS)
3. MAINTAIN I-80/29 SB TO WB (RAMP C) TRAFFIC. (SEE J-SHEETS FOR CONSTRUCTION EQUIPMENT ACCESS)
4. MAINTAIN 24TH ST. RAMP B EXIT TRAFFIC

STAGE 2

1. MAINTAIN I-80 TRAFFIC ON EXISTING LANES.
2. MAINTAIN I-29 SB TRAFFIC ON EXISTING LANES USING SHIFTED LANES ONTO STRENGTHENED SHOULDER.
3. MAINTAIN I-80/29 SB TO WB (RAMP C) TRAFFIC USING SHIFTED LANE.
4. MAINTAIN 24TH ST. RAMP B EXIT TRAFFIC.

STAGE 3

1. SHIFT I-29 SB TO I-80 WB (RAMP C) TRAFFIC ONTO DETOUR 203 AND 293.

STAGE 4A

1. SHIFT 24TH ST. RAMP B TRAFFIC TO I-80/29 RAMP H, DETOUR 299, I-80/29 RAMP B, I-29 SB AND RELOCATED 24TH ST. RAMP B.
2. CLOSE EXISTING 24TH ST. EXIT RAMP B

STAGE 4B

1. SHIFT I-29 SB TRAFFIC TO DETOUR 204, RELOCATED I-29 SB AND DETOUR 206

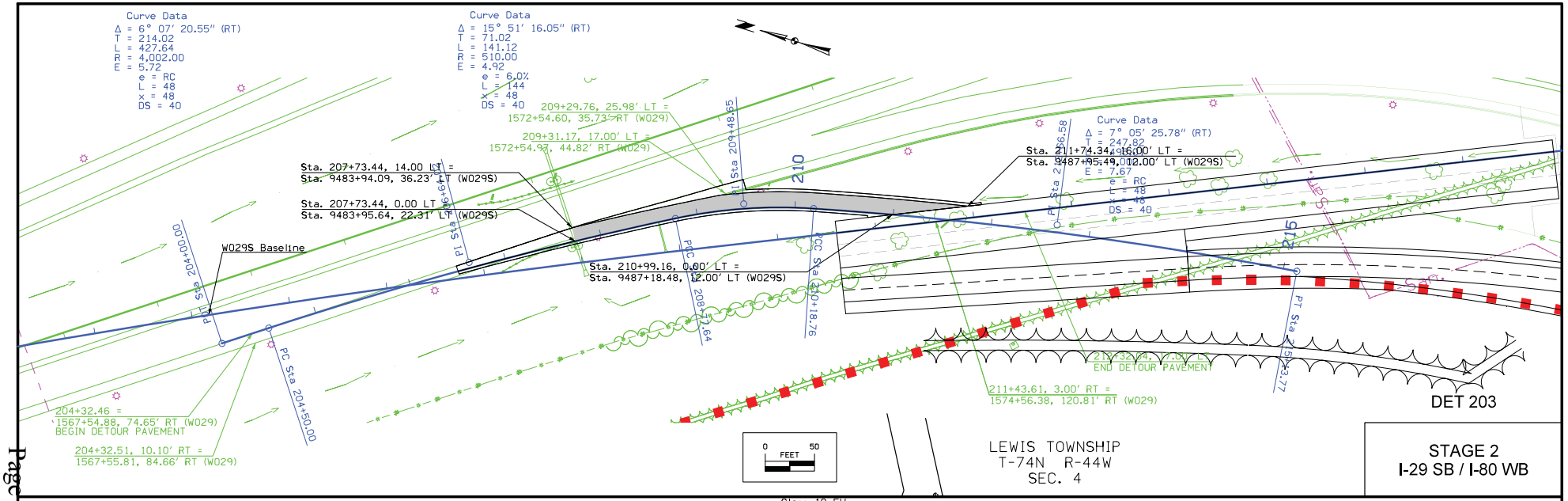
STAGE 5

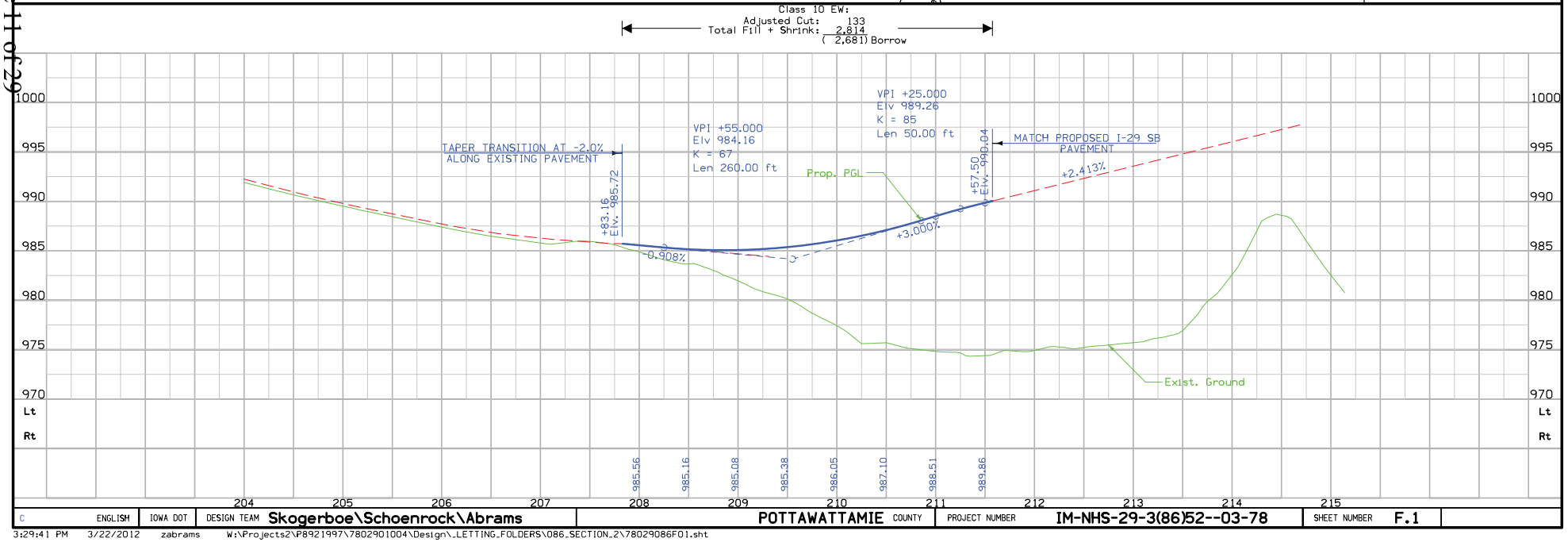
1. SHIFT I-29 SB TRAFFIC TO DETOUR 292, RELOCATED I-29 SB AND DETOUR 206.
2. CLOSE EXISTING I-29 SB.

TABULATION OF SPECIAL EVENTS

102-15
10-29-02

Event	Location	Date
COLLEGE WORLD SERIES	TD AMERITRADE	JUNE 2012 & 2013
RIVER CITY ROUND-UP	OMAHA/COUNCIL BLUFFS AREA	LATE SEPTEMBER 2012 & 2013
SEPTEMBERFEST	OMAHA/COUNCIL BLUFFS AREA	LATE AUG. - EARLY SEPT. 2012 & 2013
FIREWORKS DISPLAY	OMAHA/COUNCIL BLUFFS AREA	JULY 4TH, 2012 & 2013
OLYMPIC SWIM TRIALS	OMAHA	JUNE/JULY 2012





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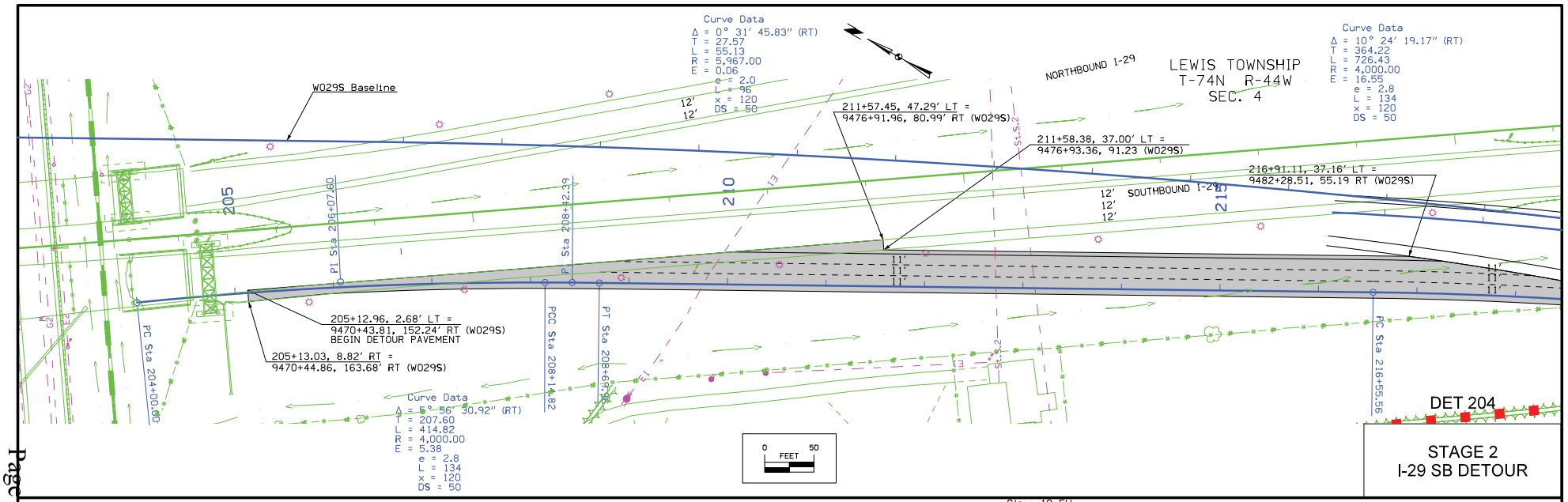

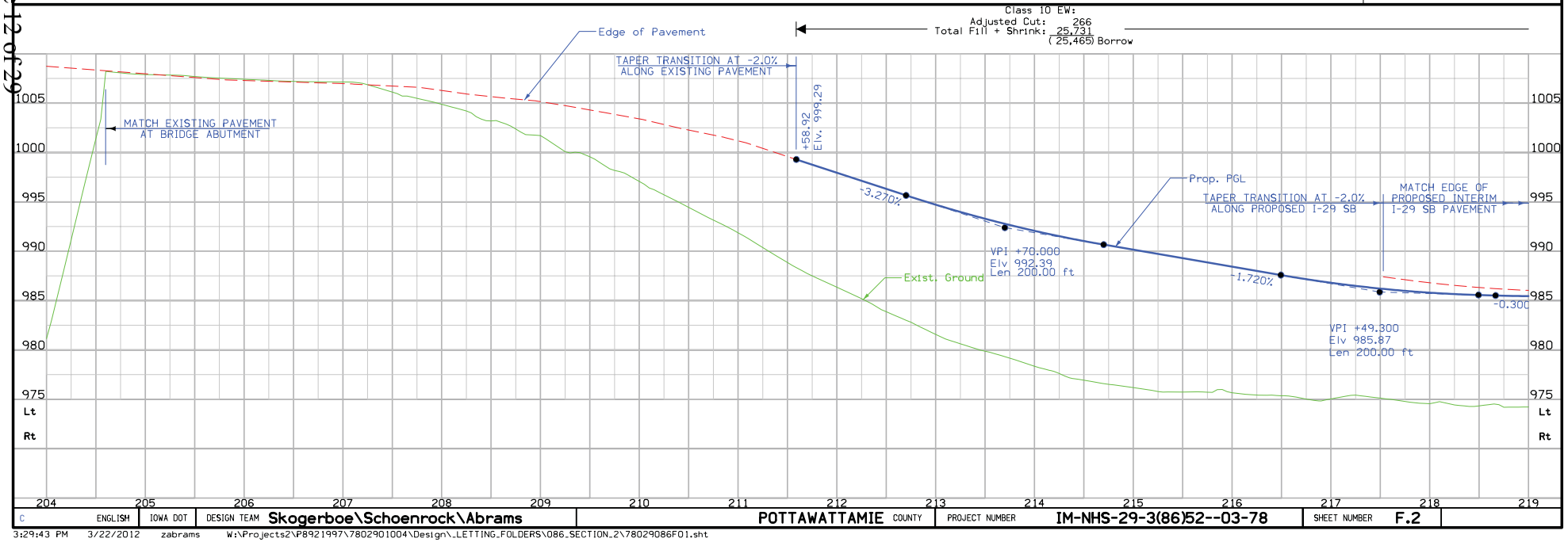

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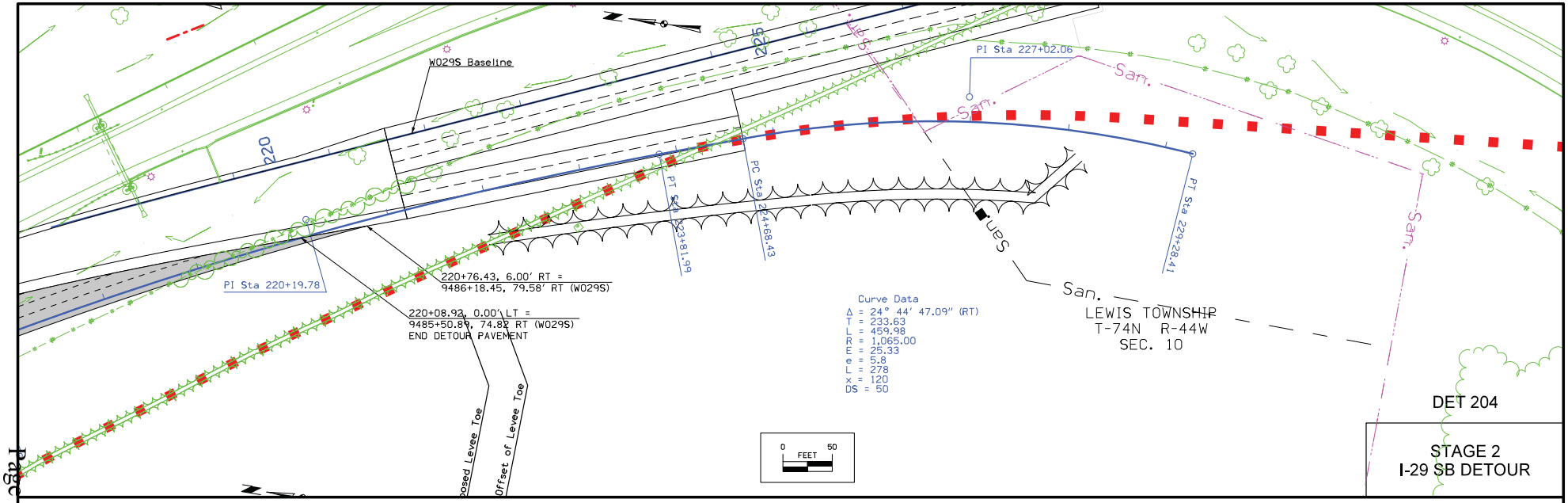

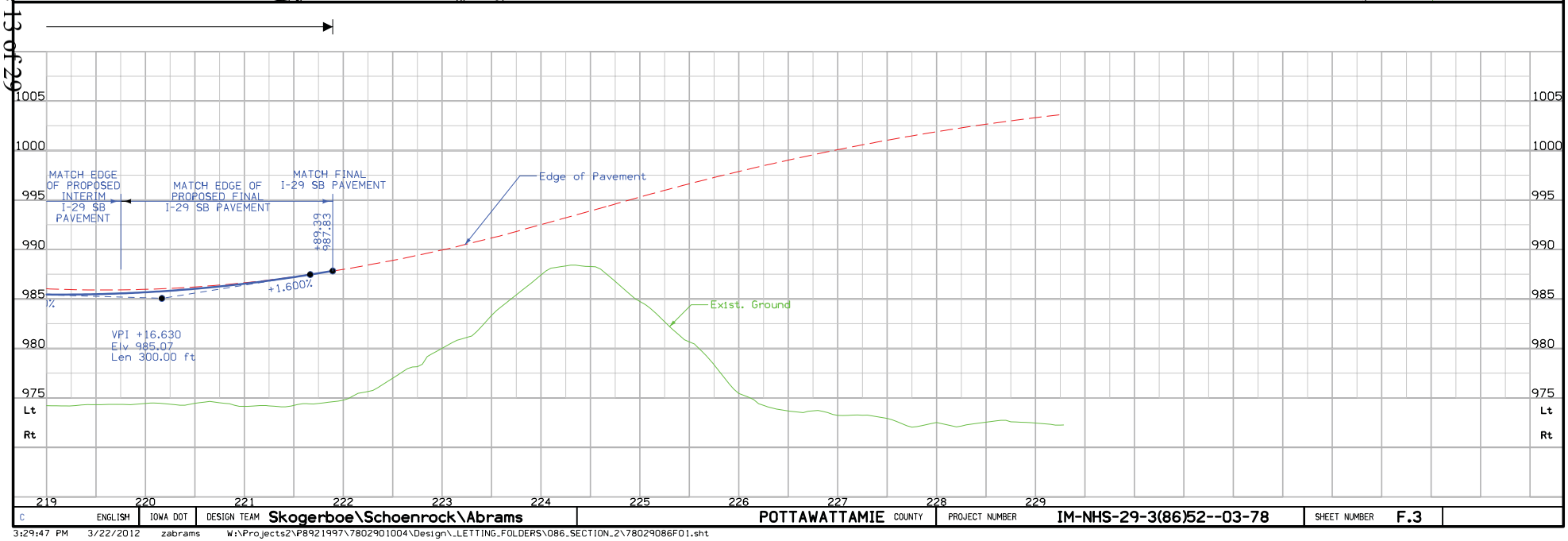

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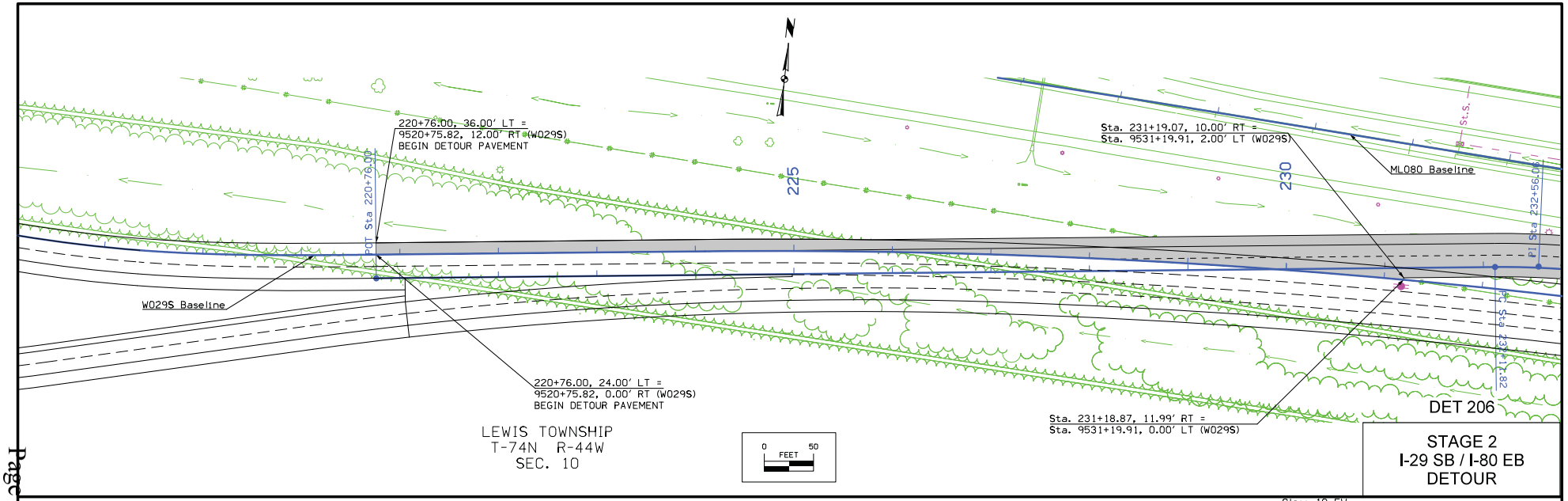

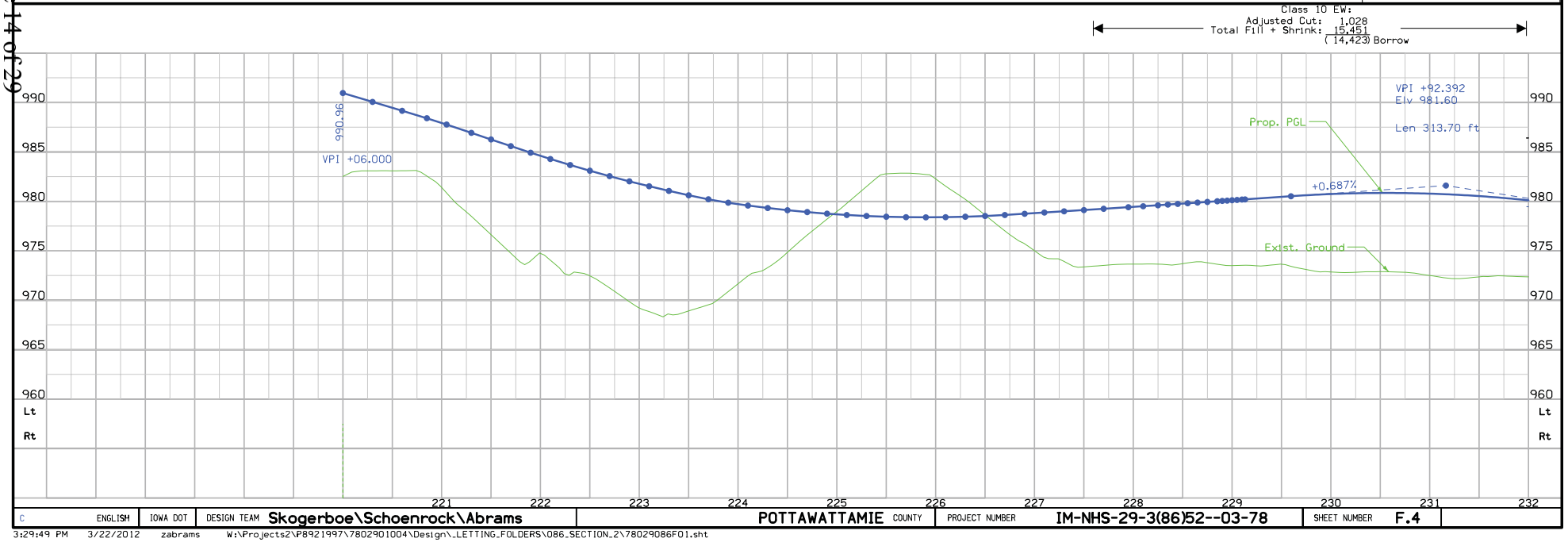

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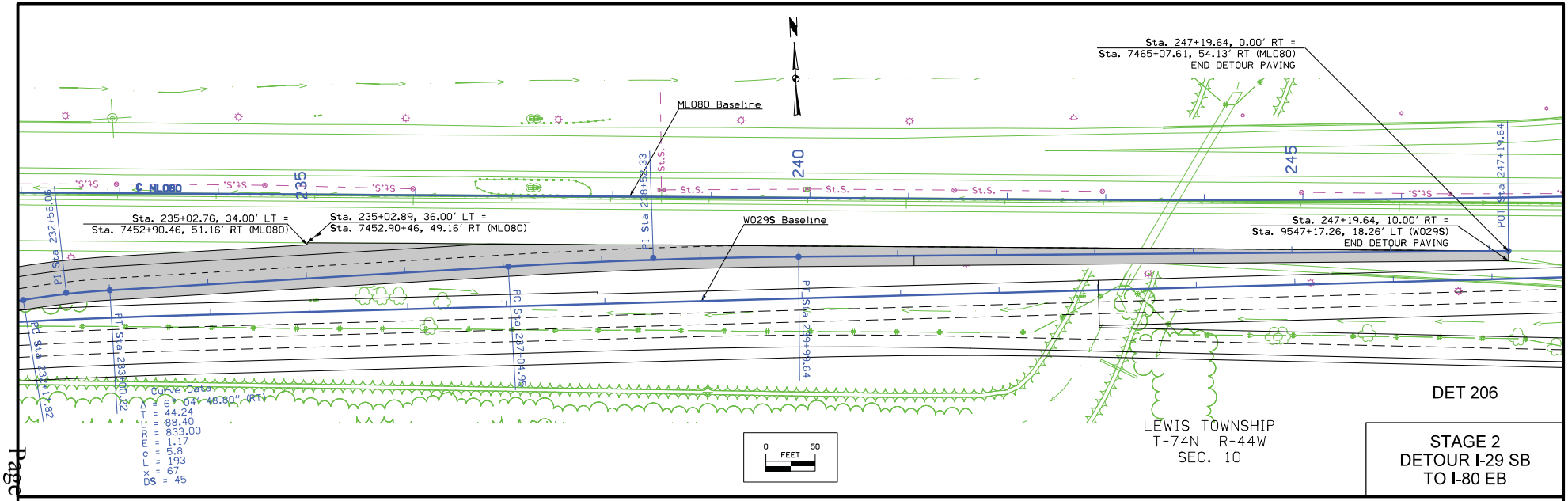

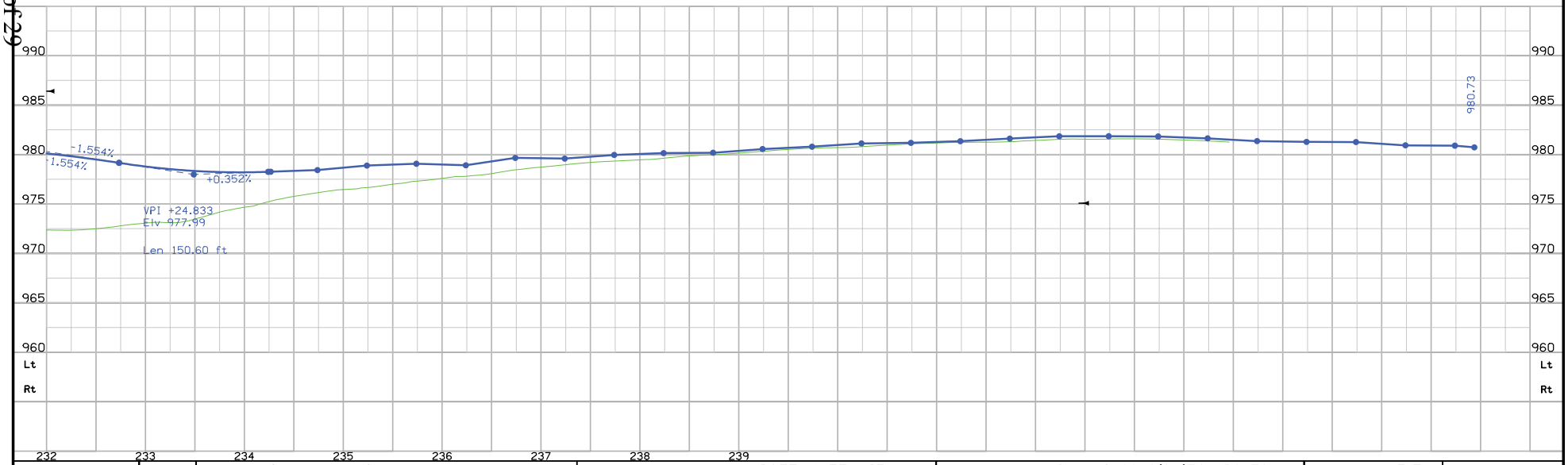

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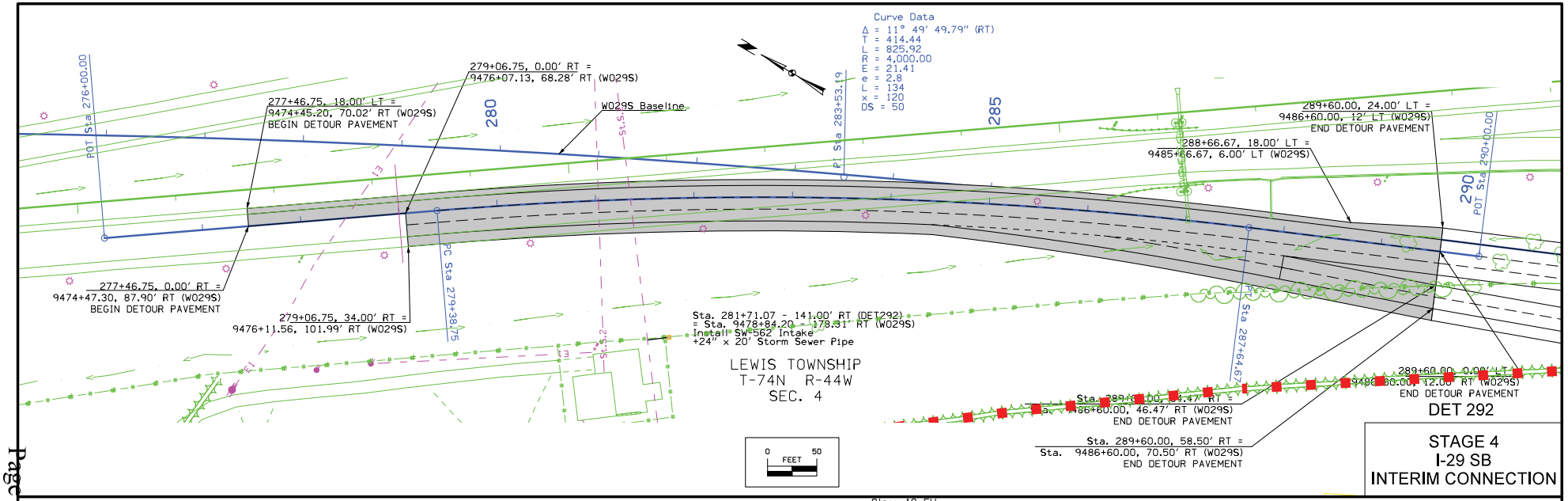

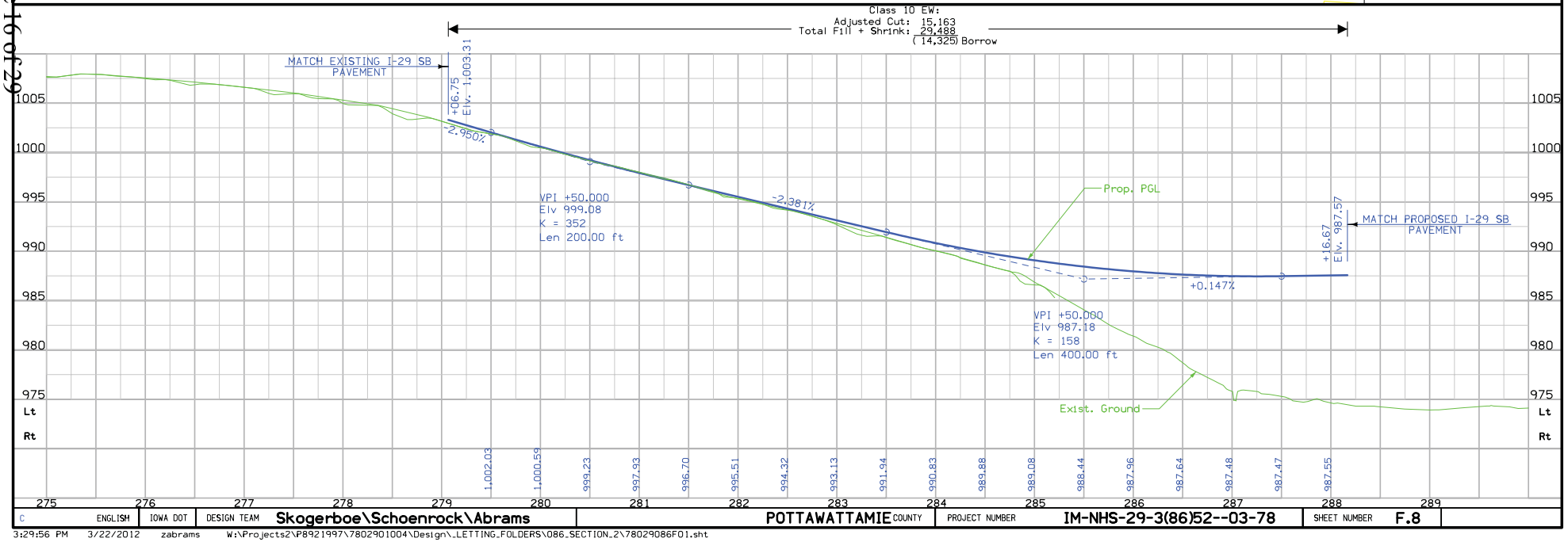

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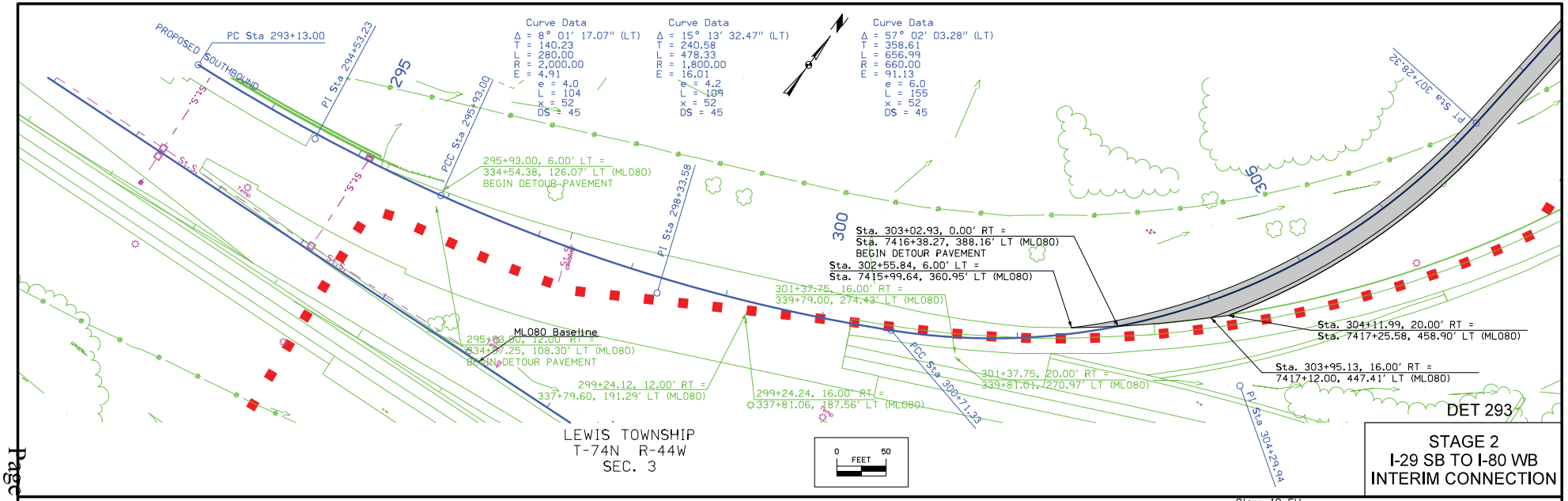

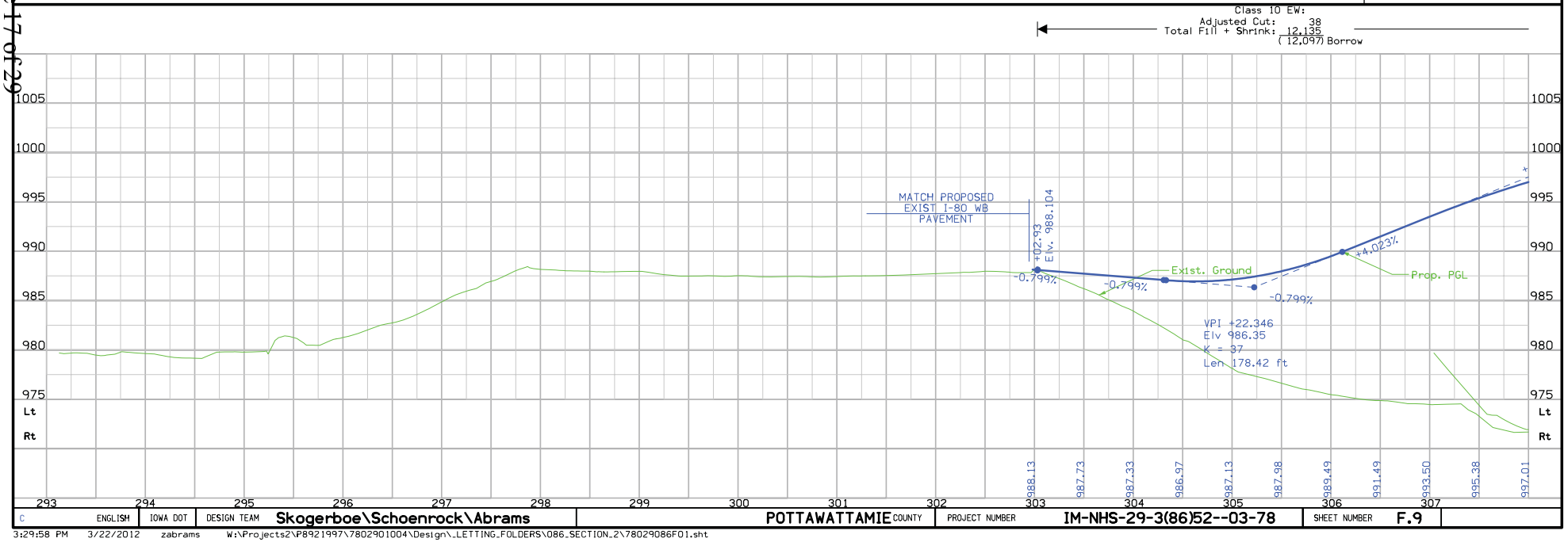

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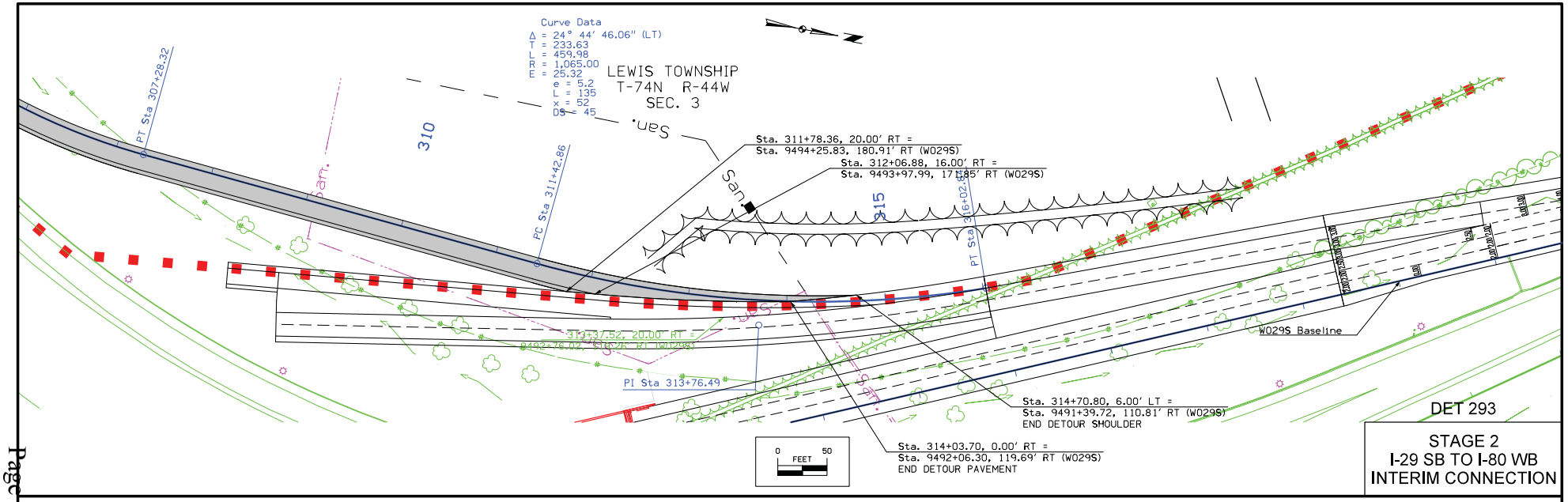

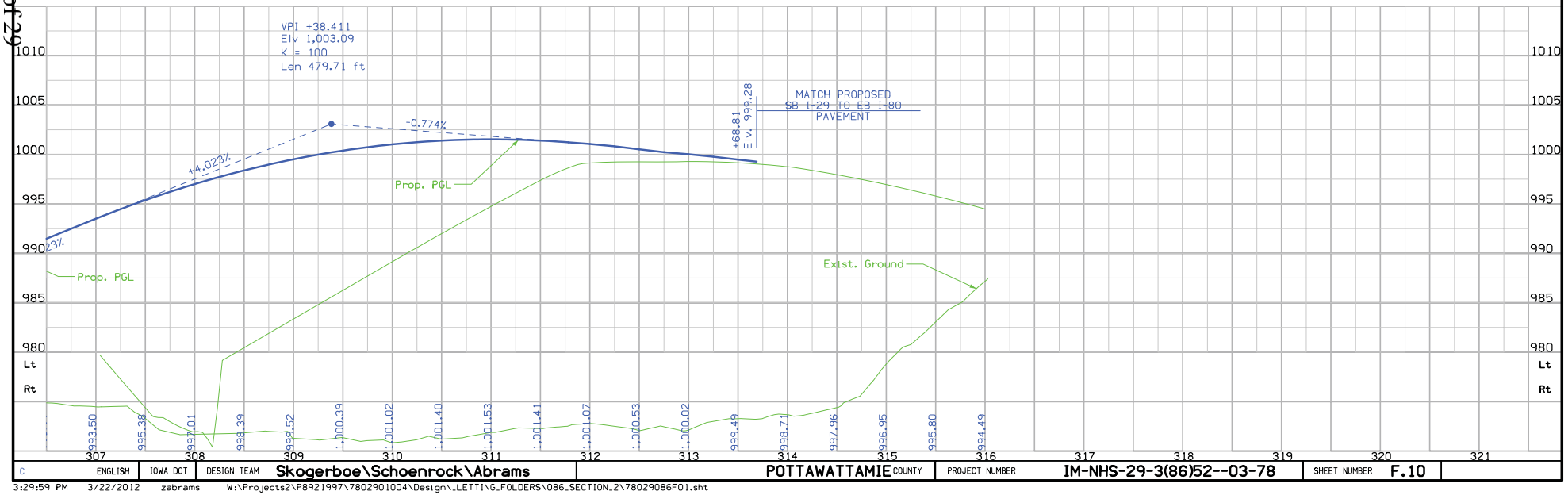

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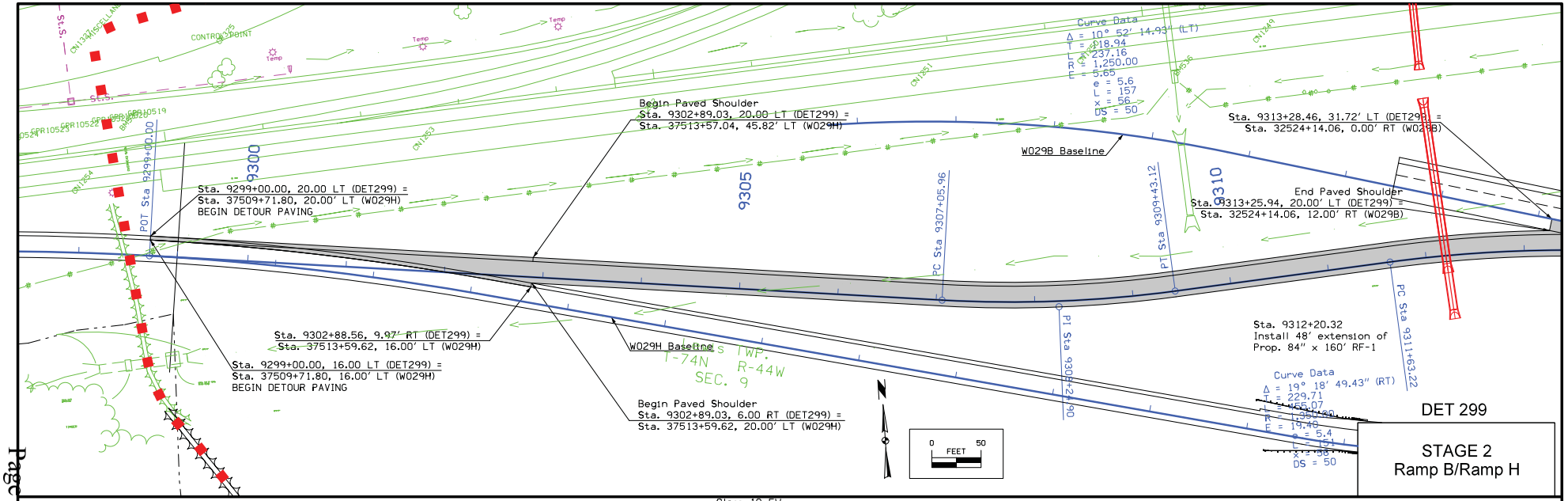

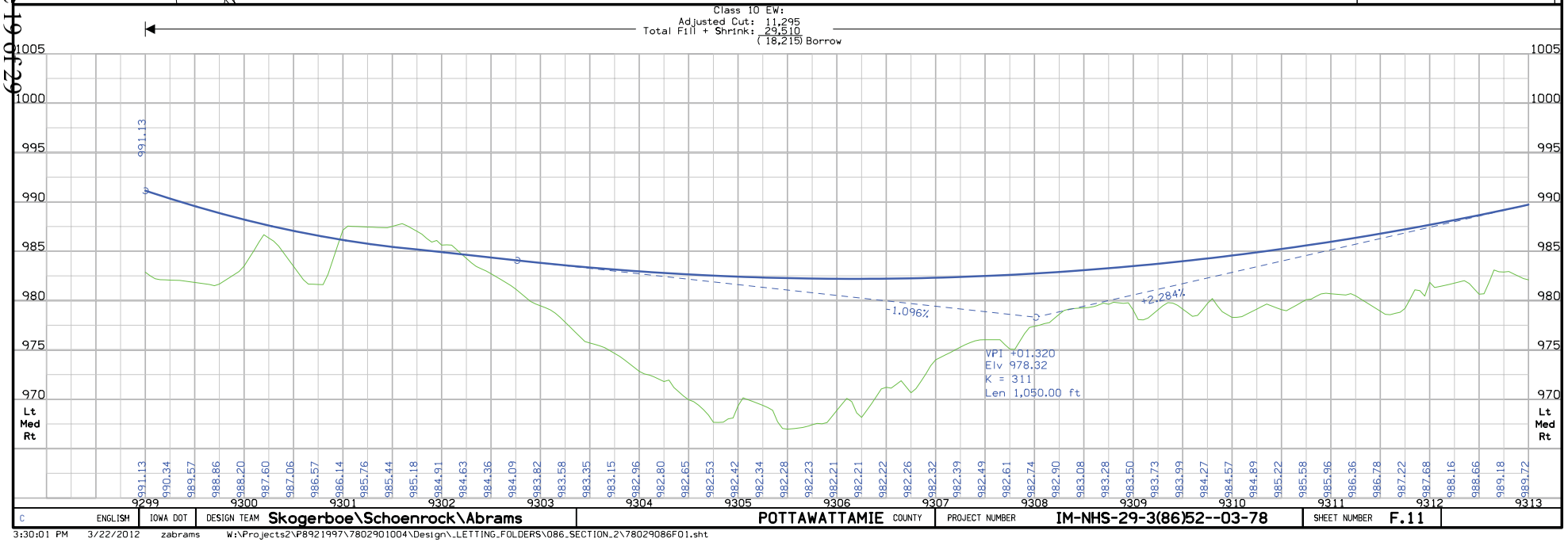

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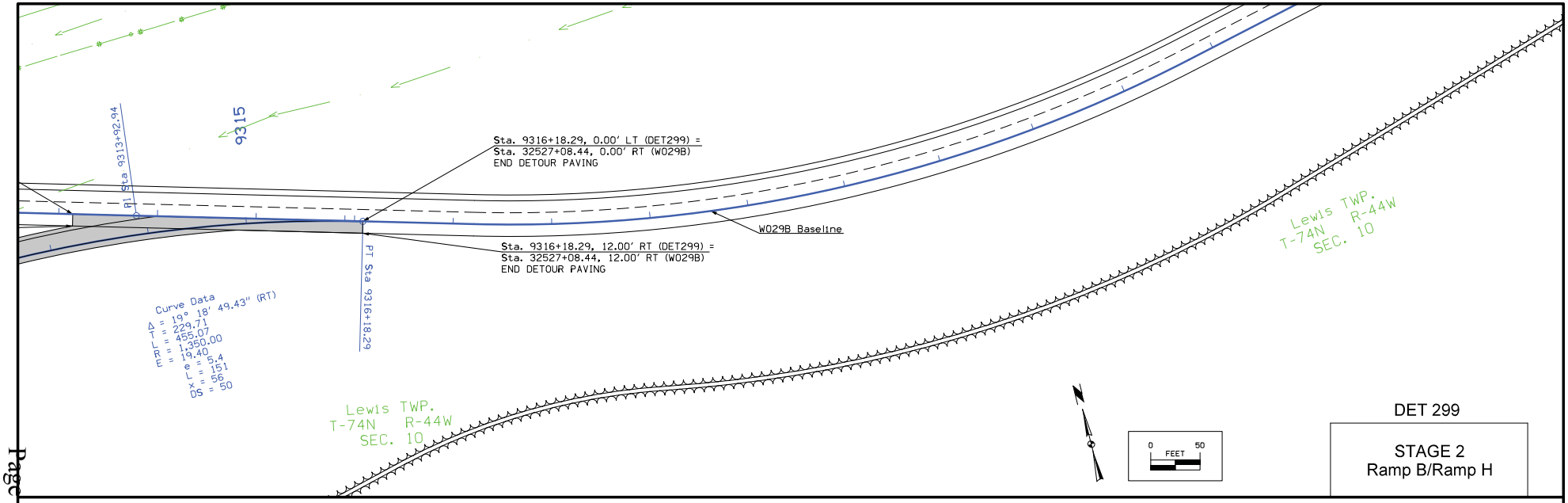

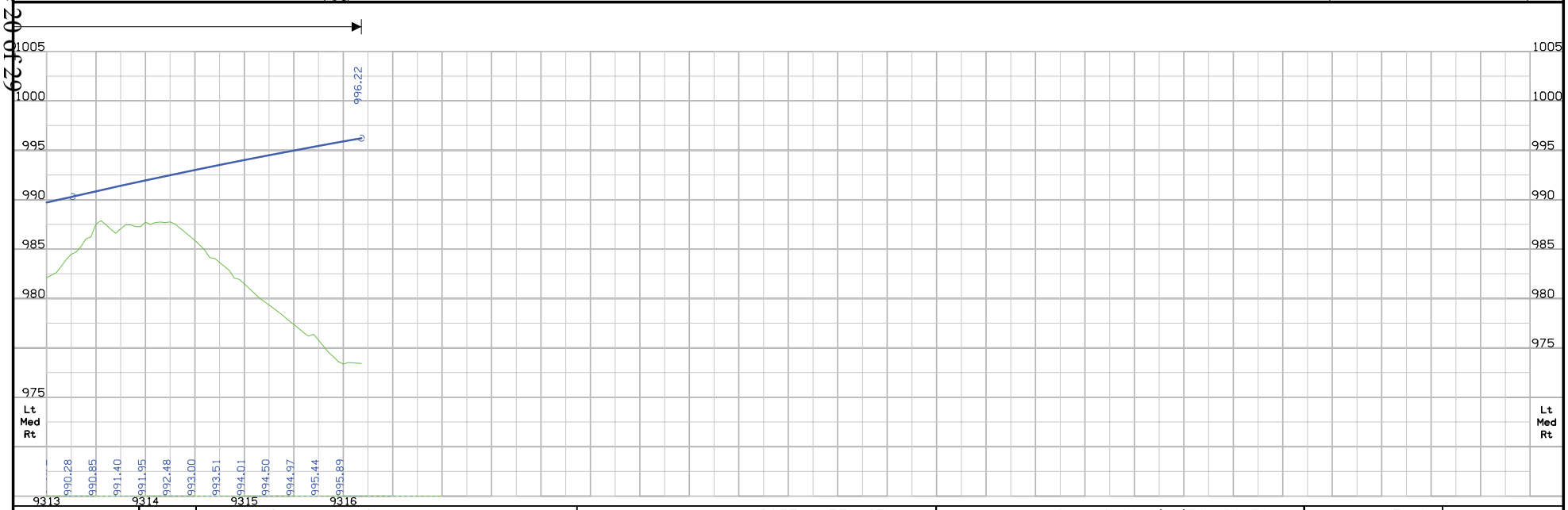

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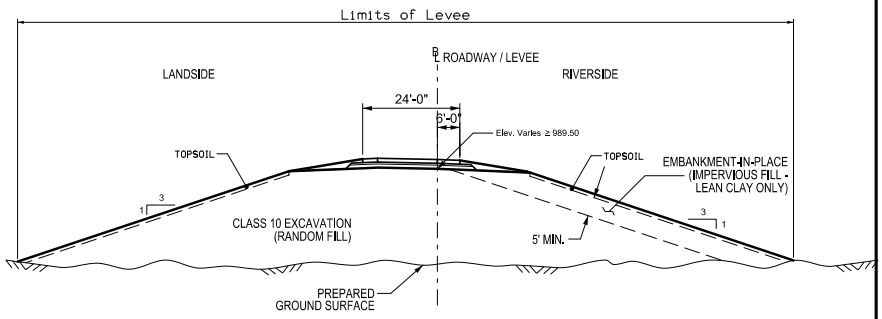
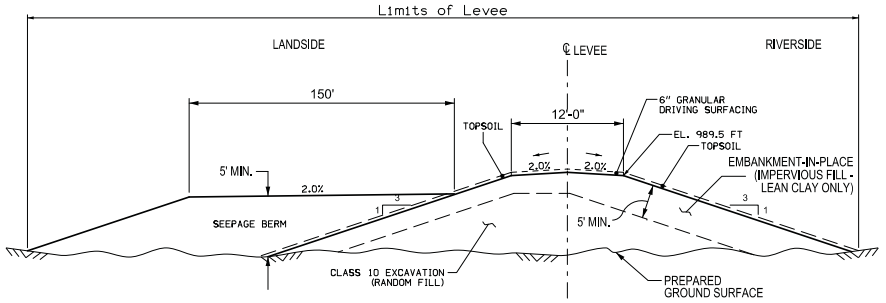
12-06-10



TYPICAL SECTION THROUGH RAMP C ROADWAY EMBANKMENT

LEV-2
12-06-10



CONSTRUCTION: TYPICAL SECTION THROUGH NORTH LEVEE

ENGLISH	IOWA DOT	DESIGN TEAM Iowa DOT\HDR	POTTAWATTAMIE COUNTY	PROJECT NUMBER IM-NHS-029-3(86)52--03-78	SHEET NUMBER U.3

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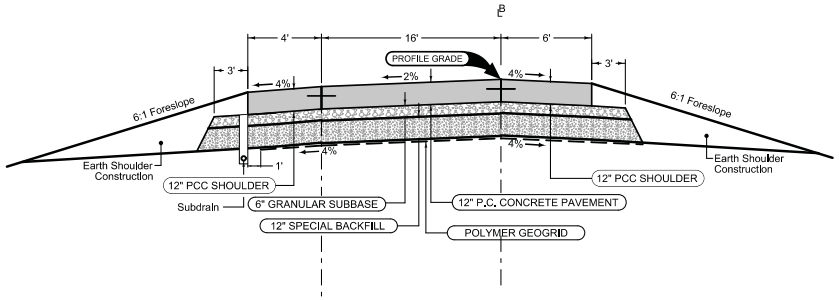
Full Depth PCC Shoulder

Shoulder Jointing:
Longitudinal Joint: L-2 or KT-2
Transverse Joints: C at 20' spacing

Direction of Travel	BEGIN STATION	END STATION
EB-NB	37516+50.00	37521+16.30
EB-NB	37542+41.42	37548+00.00



Section shown in the direction of traffic.

Ramp Jointing:
Transverse Joints: CD at 20' spacing.

BEGIN STATION	END STATION
37516+50.00	37521+66.30
37542+91.42	37548+00.00

Full Depth PCC Shoulder

Shoulder Jointing:
Longitudinal Joint: L-2 or KT-2
Transverse Joints: C at 20' spacing

Direction of Travel	BEGIN STATION	END STATION
EB-NB	37516+50.00	37521+16.30
EB-NB	37545+80.27	37548+00.00

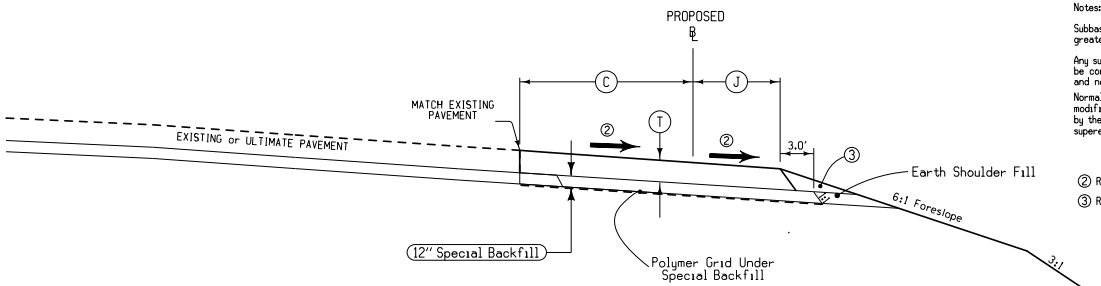
① Refer to Standard Road Plan RF-19C. for details of subdrain installation.

See Tab 100-24 for pavement quantities.

See Tab 112-9 for shoulder quantities.

RAMP H - GRADE & PAVE

LOCATION			DIMENSIONS		
ROAD	STATION TO STATION		(T) Inches	(C) Feet	(J) Feet
STAGE 1					
Detour 258 North Side	208+70.00	220+74.48	15	0-17	6



TYPICAL CROSS SECTION
15" HMA DETOUR PAVEMENT
WITH HMA SHOULDER

DET-1

Notes:

Subbase may be constructed to a width greater than that indicated.

Any such extra width of subbase shall be considered incidental to other work and not be measured for payment.

Normal section shown may be appropriately modified for areas specifically designated by the Engineer, such as intersections or superelevated curves.

② Refer to F Sheets for pavement slopes.

③ Refer to typical 7145.

See Tab 100-24 for pavement quantities.

See Tab 112-9 for shoulder quantities.

DETOUR 258 WIDENING

ESTIMATED PROJECT QUANTITIES

ITEM NO.	ITEM CODE	ITEM	UNIT	TOTAL	AS BUILT QUAN.
1	2102-0425070	SPECIAL BACKFILL	TON	8,269.2	
2	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	14,465.0	
3	2102-2713090	EXCAVATION, CLASS 13, WASTE	CY	3,869.0	
4	2105-8425005	TOPSOIL, FURNISH AND SPREAD	CY	8,309.4	
5	2111-8174100	GRANULAR SUBBASE	SY	7,600.1	
6	2113-0001100	SUBGRADE STABILIZATION MATERIAL, POLYMER GRID	SY	12,327.4	
7	2122-5190501	PAVED SHOULDER, PORTLAND CEMENT CONCRETE (PAVED SHOULDER PANEL FOR BRIDGE END DRAIN)	SY	81.8	
8	2123-7450000	SHOULDER CONSTRUCTION, EARTH	STA	62.20	
9	2301-1004120	STANDARD OR SLIP-FORM PORTLAND CEMENT CONCRETE PAVEMENT, QM-C, CLASS 3I DURABILITY, 12 IN.	SY	8,418.6	
10	2301-6911722	PORTLAND CEMENT CONCRETE PAVEMENT SAMPLES	LS	1.00	
11	2301-9090000	QUALITY MANAGEMENT - CONCRETE (QM-C)	CY	2,806.2	
12	2304-0100000	DETOUR PAVEMENT	SY	2,029.2	
13	2401-6745356	REMOVAL OF CONCRETE FOOTINGS OF LIGHT POLES	EACH	8	
14	2401-6745765	REMOVAL OF LIGHT POLES	EACH	8	
15	2416-0100024	APRONS, CONCRETE, 24 IN. DIA.	EACH	4	
16	2416-1165024	CULVERT, 2000D CONCRETE ENTRANCE PIPE, 24 IN. DIA.	LF	115	
17	2416-1240024	CULVERT, 3000D CONCRETE ROADWAY PIPE, 24 IN. DIA.	LF	163	
18	2502-8212024	SUBDRAIN, LONGITUDINAL, (BACKSLOPE) 4 IN. DIA.	LF	2,291.2	
19	2502-8220196	SUBDRAIN OUTLET, RF-19E	EACH	9	
20	2503-0500400	BRIDGE END DRAIN, RF-40	EACH	2	
21	2505-4008120	REMOVAL OF STEEL BEAM GUARDRAIL	LF	332.0	
22	2505-4008300	STEEL BEAM GUARDRAIL	LF	56.3	
23	2505-4008400	STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION	EACH	2	
24	2505-4021010	STEEL BEAM GUARDRAIL END ANCHOR, BOLTED	EACH	2	
25	2505-4021701	STEEL BEAM GUARDRAIL FLARED END TERMINAL	EACH	2	
26	2510-6745850	REMOVAL OF PAVEMENT	SY	12,210.0	
27	2518-6891810	PERMANENT ROAD CLOSURE, RURAL, SI-181	LF	26	
28	2526-8285000	CONSTRUCTION SURVEY	LS	1.00	
29	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	STA	193.67	
30	2527-9263131	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	STA	30.35	
31	2527-9263180	PAVEMENT MARKINGS REMOVED	STA	54.00	
32	2528-8400048	TEMPORARY BARRIER RAIL, CONCRETE	LF	2,550.0	
33	2528-8445110	TRAFFIC CONTROL	LS	1.00	
34	2533-4980005	MOBILIZATION	LS	1.00	
35	2551-0000110	TEMP CRASH CUSHION	EACH	4	
36	2601-2634105	MULCHING, BONDED FIBER MATRIX	ACRE	16.2	
37	2601-2636043	SEEDING AND FERTILIZING (RURAL)	ACRE	16.2	
38	2601-2642100	STABILIZING CROP - SEEDING AND FERTILIZING	ACRE	16.2	
39	2602-0000020	SILT FENCE	LF	7,225.0	
40	2602-0000071	REMOVAL OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS	LF	5,804.0	
41	2602-0000101	MAINTENANCE OF SILT FENCE OR SILT FENCE FOR DITCH CHECK	LF	581.0	
42	2602-0000312	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN. DIA.	LF	300.0	
43	2602-0000320	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 20 IN. DIA.	LF	300.0	

ESTIMATE REFERENCE INFORMATION

ITEM NO.	ITEM CODE	DESCRIPTION
1	2102-0425070	SPECIAL BACKFILL Includes 2,509.8 tons used for constructing mainline Ramp H; 1705.6 tons for constructing Detour 80H and I-80 pavement replacement; 1387.2 tons for constructing Detour 258; 2,410.7 tons for constructing Detour 295; and 255.9 tons for shoulder strengthening. --- Refer to Typical on Sheets B.1 and B.2.
2	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW Detour 295 Includes 943 cu. yds. of suitable material to be used in the roadway fill. Includes 11,040 cu. yds. of Contractor furnished borrow. Detour 258 Includes 627 cu. yds. of suitable material to be used in the roadway fill. Includes 809 cu. yds. of Contractor furnished borrow.

ESTIMATE REFERENCE INFORMATION

Includes 11,040 cu. yds. of Contractor furnished borrow.

ITEM NO.	ITEM CODE	DESCRIPTION
2	2102-2710070	Detour 80H Includes 696 cu. yds. of suitable material to be used in the roadway fill. Includes 350 cu. yds. of Contractor furnished borrow.
3	2102-2713090	EXCAVATION, CLASS 13, WASTE Volume includes 1 foot of excavation over the limits of old roadbed (I-80 EB to I-29 NB Ramp) and Detour 258.
4	2105-8425005	TOPSOIL, FURNISH AND SPREAD Refer to Tab. 103-4 on Sheet C.9. Quantity includes 40% shrink. The Contractor shall provide all the required topsoil and follow provisions in Section 2105 of the current specifications. Method of Mesurement: The quantity of topsoil furnished and spread will be measured in cubic yards and will be computed on the depth of topsoil specified in the contract document over the area involved plus 40% to account for compaction shrinkage and hauling losses. Sufficent field measurements will be taken to assure reasonable conformity with the required final thickness of topsoil in place. The Contractor will be paid the contract unit price for topsoil, furnish and spread per cubic yard of topsoil placed, measured as Overhaul will not be paid for on this item. Topsoil is available at Council Bluff Maintenance Garage, 2501 N. 25th Street, Council Bluffs, IA 51101. Basis of Payment: provided above.
5	2111-8174100	GRANULAR SUBBASE Includes 636.9 cu. yds. for mainline Ramp H and 629.8 cu. yds. for Detour 295.
6	2113-0001100	SUBGRADE STABILIZATION MATERIAL, POLYMER GRID - -
7	2122-5190501	PAVED SHOULDER, PORTLAND CEMENT CONCRETE (PAVED SHOULDER PANEL FOR BRIDGE END DRAIN) Requires 12-inch thick panels.
8	2123-7450000	SHOULDER CONSTRUCTION, EARTH Refer to Typical on Sheet B sheets.
9	2301-1004120	STANDARD OR SLIP-FORM PORTLAND CEMENT CONCRETE PAVEMENT, QM-C, CLASS 3I DURABILITY, 12 IN. Includes 3,057.6 SY for the construction of Ramp H, 3,053 SY for the constuction of Detour 295 and 2308 SY for the construction of Detour 80H and pavement replacement.
10	2301-6911722	PORTLAND CEMENT CONCRETE PAVEMENT SAMPLES - -
11	2301-9090000	QUALITY MANAGEMENT - CONCRETE (QM-C) - -
12	2304-0100000	DETOUR PAVEMENT Refer to Typical 'Detour 258 Widening' on Sheet B.1. Refer to Tab. 100-24 on Sheet C.6. Used for pavement on Detour 258 and 264 SY used for shoulder strengthening on I-80 north shoulder.
13	2401-6745356	REMOVAL OF CONCRETE FOOTINGS OF LIGHT POLES The Engineer will count each concrete footing removed. For each concrete footing removed, the Contractor shall be paid the contract unit price. Quantity for removal on west side of 258 detour and north side of I-80. Detour 258 stationing: Sta. 209+47 15.2' Lt Sta. 211+27 10.7' Lt. Sta. 212+95 6.0' Lt. Sta. 216+06 4.2' Rt. Sta. 217+65 2.9' Lt. Detour I-80 stationing: Sta. 7432+93 12.9' Lt. Sta. 7434+90 15.3' Lt. Sta. 7436+85 12.8' Lt.

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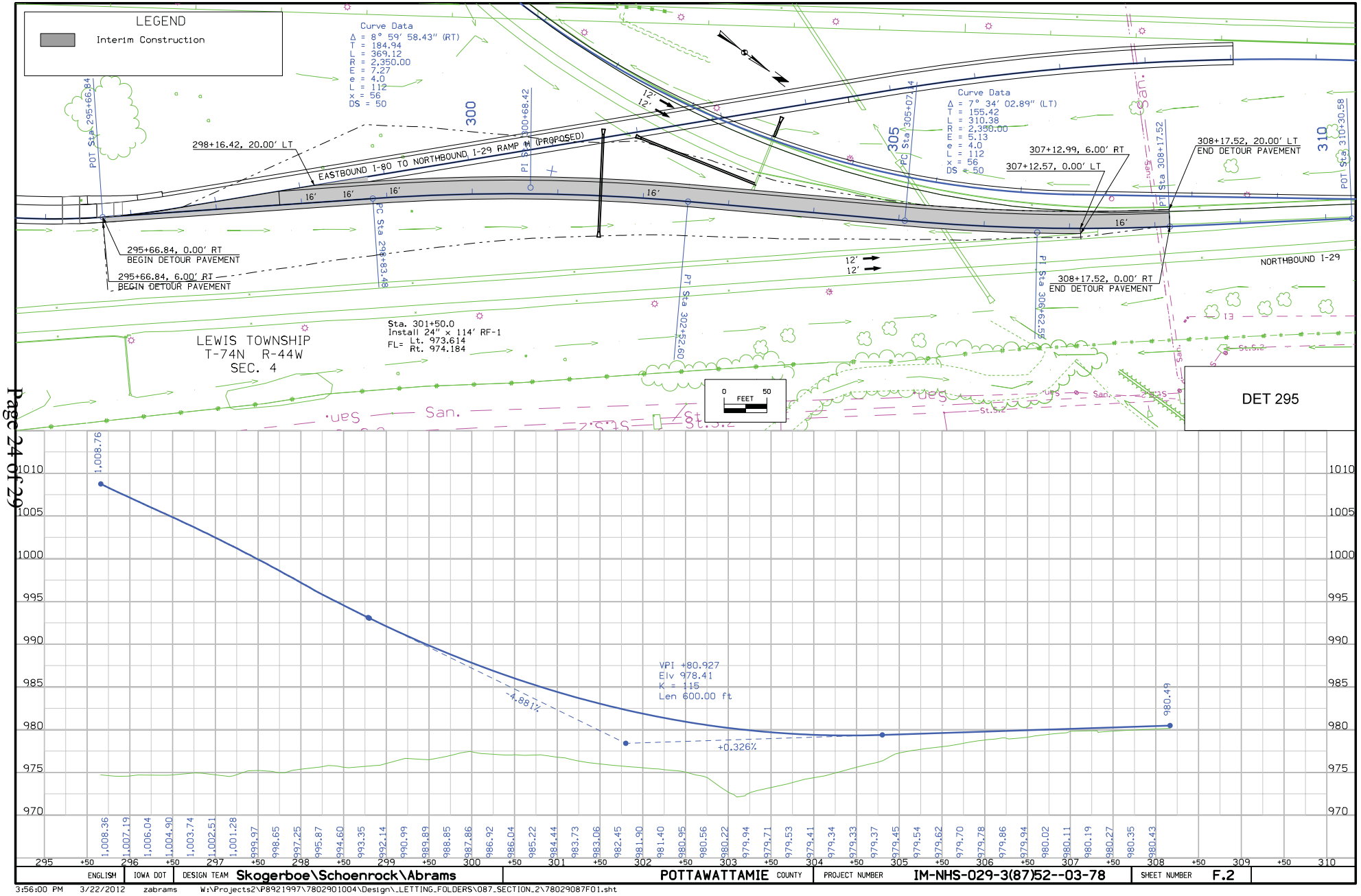

ENGLISH	IOWA DOT	DESIGN TEAM	Skogerboe\Schoenrock\Abrams	POTTAWATTAMIE COUNTY	PROJECT NUMBER	IM-NHS-029-3(87)52--03-78	SHEET NUMBER	F.2

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TRAFFIC CONTROL PLAN

108-23
04-04-89

1. Traffic will be maintained on I-80, I-29, and I-29 WB to NB at all times. No Lane or Shoulder closures will be allowed during the College World Series and the Olympic Swim Trials. Otherwise, lane and shoulder closures
will be allowed:
Sunday 10:00 PM - Monday 6:00 AM.
Monday 10:00 PM - Tuesday 6:00 AM.
Tuesday 10:00 PM - Wednesday 6:00 AM.
Wednesday 10:00 PM - Thursday 6:00 AM.
Thursday 10:00 PM - Friday 6:00 AM.
Friday 10:00 PM - Saturday 5:00 AM.
Saturday 10:00 PM - Sunday 10:00 AM.

Shoulder Closures will be allowed during non-peak hours or by permission of the engineer only. Peak hours are 6:00 AM thru 9:00 AM, and 3:00 PM thru 6:00 PM, Monday thru Saturday.

2. Traffic control on this project shall be found in accordance with the TC series of Standard Road Plans found in Tab. 105-4. For additional complementary information, refer to part 6 of the Manual on Uniform Traffic Control devices and the current Standard Specifications.

STAGING NOTES

108-26
08-30-88

STAGE 1

STAGE 1A.1

1. Shift Traffic on Existing Ramp B to the east lane using channelizers.
2. Extend existing culvert 18 ft. left and construct detour 258.

STAGE 1A.2

3. Once constructed, shift traffic to Detour 258.
4. After lane shift to the new detour, install new pipe system at Sta. 211+50 Rt.
5. Pace TBR on east side of 258 detour.

STAGE 1B.1

1. Utilizing night time lane closures, construct strengthened shoulder on north side of I-80 from Sta. 7434+07.2 to Sta. 7438+02.5.

STAGE 1B.2

2. Shift traffic north to strenthened shoulder on EB I-80.
3. Place TBR on I-80 to protect I-80 pavement removal.
4. Remove existing right shoulder and I-80 pavement.
5. Construct Detour 80H using typical DET80H on sheet B.2.
6. Shift traffic to 80H detour and install 262.5 LF of TBR between Sta. 17428+49.50 and 17431+12.36.

STAGE 1C

1. Pave Ramp H west of bridge between sta. 37516+50.00 and 37521+10.00.
2. Grade and pave Detour 295 from Sta. 296+40.71 to 308+17.52 and pave Ramp H between Sta. 37543+40.00 and 37548+00.

STAGE 1D

1. Complete piers, bridge, and bridge approaches. (By Others)
2. Complete paving of Ramp H and Detour 295.
3. Complete pavement marking on Ramp H and install Type III barricades and Road Closure barricade.

STAGE 2

STAGE 2A

1. Pace TBR on east side of detour 295.
2. Close Existing Ramp B.
3. Remove Existing Ramp B and Detour 258 pavement and cover with topsoil.
4. Open Ramp H.

Page 25 of 29

Design No. 612
File No. 30169

ENGLISH	IOWA DOT	DESIGN TEAM Skogerboe\Schoenrock\Abrams	POTTAWATTAMIE COUNTY	PROJECT NUMBER IM-NHS-029-3(87)52--03-78	SHEET NUMBER J.1

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ESTIMATED PROJECT QUANTITIES

ITEM NO.	ITEM CODE	ITEM	UNIT	TOTAL	AS BUILT QUAN.
1	2401-6745910	REMOVAL OF SIGN	EACH	13	
2	2401-6745915	REMOVAL OF SIGN SUPPORT STRUCTURE AND FOOTING	EACH	2	
3	2402-2720000	EXCAVATION, CLASS 20	CY	390	
4	2403-0100000	STRUCTURAL CONCRETE (MISCELLANEOUS)	CY	135.0	
5	2404-7775005	REINFORCING STEEL, EPOXY COATED	LB	16,995	
6	2423-1050340	OVERHEAD SIGN SUPPORT STRUCTURE, CANTILEVERED, 34 FT. ARM	EACH	1	
7	2423-1060095	STEEL OVERHEAD SIGN TRUSS, 95 FT. SPAN	EACH	1	
8	2423-1060100	STEEL OVERHEAD SIGN TRUSS, 100 FT. SPAN	EACH	1	
9	2524-6765010	REMOVE AND REINSTALL SIGN AS PER PLAN	EACH	2	
10	2524-9089100	DELINEATOR, RIGID - TYPE I	EACH	60	
11	2524-9089110	DELINEATOR, RIGID - TYPE IA	EACH	10	
12	2524-9089200	DELINEATOR, RIGID - TYPE II	EACH	6	
13	2524-9210000	MILEPOST MARKERS	EACH	9	
14	2524-9275222	WOOD POSTS FOR TYPE A OR B SIGNS, 4 IN. X 6 IN.	LF	120.0	
15	2524-9290006	MODIFICATION OF EXISTING SIGNS	EACH	10	
16	2524-9290009	SIGN MOUNTING BRACKETS, SPECIAL	EACH	3	
17	2524-9325001	TYPE A SIGNS, SHEET ALUMINUM	SF	27	
18	2524-9380001	TYPE B SIGNS, EXTRUDED ALUMINUM STRUCTURAL PANEL	SF	2,046	
19	2526-8285000	CONSTRUCTION SURVEY	LS	1.00	
20	2528-8445110	TRAFFIC CONTROL	LS	1.00	
21	2533-4980005	MOBILIZATION	LS	1.00	
22	2599-9999014	SPECIAL TYPE 'B' SIGNS	SF	400	

ESTIMATE REFERENCE INFORMATION

ITEM NO.	ITEM CODE	DESCRIPTION
1	2401-6745910	REMOVAL OF SIGN This item shall consist of removal of Type A and B Sign Assemblies from the project. A Type A Sign Assembly is defined as one or more Type A signs, installed on one or more posts located at the same point. The Type A signs may be directly mounted to the post, or mounted to the post with special sign mounting brackets. Posts may be either wood posts or other material. A Type B Sign Assembly is defined as the primary Type B sign, all auxiliary Type B signs and brackets, and the posts. Posts may be either wood posts or steel breakaway sign posts. The concrete footings for steel breakaway sign posts are not considered part of the Type B Sign Assembly. Holes remaining from the removal of wood posts shall be backfilled with suitable earth to the original level or to the natural ground surface in accordance with Article 2402. METHOD OF MEASUREMENT: The Engineer will count each Sign Assembly removed. BASIS OF PAYMENT: For each Sign Assembly removed, the Contractor shall be paid the contract unit price. This payment shall be full compensation for furnishing all material, equipment, and labor and for the performance of all work necessary for removal of the Sign Assemblies from the project and for any backfilling made necessary by these operations.

ESTIMATE REFERENCE INFORMATION

ITEM NO.	ITEM CODE	DESCRIPTION
2	2401-6745915	REMOVAL OF SIGN SUPPORT STRUCTURE AND FOOTING Refer to TAB 190-62 for location and details. This item shall consist of removal of Type B Sign Support Structures and Footings from the project. Each of the following is to be considered a Type B Sign Support Structure: - overhead sign truss and footings, - cantilevered sign truss and footing, - bridge mounted brackets, - monotube sign structure and footings, - dualmonotube sign structure and footings, and - mastarm sign structure and footing. The Contractor shall remove each sign support structure identified in the plans. Unless otherwise provided or ordered, concrete footings for sign support structures shall be removed 1 foot below natural ground surface. Where portions of the existing concrete footings lie wholly or in part within the limits for a new structure (culvert, concrete footing, or other), they shall be removed as necessary to accommodate construction of the proposed structure. Holes remaining from the removal of concrete footings for sign support structures shall be backfilled with suitable earth to the original level or to the natural ground surface in accordance with Article 2402. METHOD OF MEASUREMENT: The Engineer will count each Type B Sign Support Structure removed. BASIS OF PAYMENT: For each Type B Sign Support Structure removed, the Contractor shall be paid the contract unit price. This payment shall be full compensation for furnishing all material, equipment, and labor and for performance of all work necessary for removal of the Type B Sign Support Structure from the project and for any backfilling made necessary by these operations.
3 4 5 6 7 8	2402-2720000 2403-0100000 2404-7775005 2423-1050340 2423-1060095 2423-1060100	EXCAVATION, CLASS 20 STRUCTURAL CONCRETE (MISCELLANEOUS) REINFORCING STEEL, EPOXY COATED OVERHEAD SIGN SUPPORT STRUCTURE, CANTILEVERED, 34 FT. ARM STEEL OVERHEAD SIGN TRUSS, 95 FT. SPAN STEEL OVERHEAD SIGN TRUSS, 100 FT. SPAN Refer to TAB 190-52 for location and details.
9	2524-6765010	REMOVE AND REINSTALL SIGN AS PER PLAN This item shall consist of removal and reinstallation of Type A signs. The Contractor shall remove each Type A sign and the hardware used to secure the sign to another sign, special mounting bracket, or posts. For signs mounted directly to posts, removal of the sign shall include removal of the posts. Post may be either wood or other material. Holes remaining from the removal of wood posts shall be backfilled with suitable earth to the original level or to he natural ground surface in accordance with Article 2402. Unless otherwise noted, the existing Type A sign shall be removed and promptly reinstalled. The Contractor shall reinstall the Type A sign. The Contractor shall furnish all necessary hardware to install the sign as shown in the plans. When the new installation is similar to the original installation, unless otherwise noted, the existing hardware may be used to reinstall the sign. Signs damaged by the Contractor's activities shall be replaced at the Contractor's expense. Replacement materials shall be new. METHOD OF MEASUREMENT: The Engineer shall count each Type A sign removed and reinstalled. BASIS OF PAYMENT: For each Type A sign removed and reinstalled, the Contractor shall be paid the contract unit price. This payment shall be full compensation for furnishing all material, equipment, and labor and for the performance of all work necessary for removal and reinstallation of each Type A sign, including all details necessary to provide the Type A sign complete and erected in place.

ESTIMATE REFERENCE INFORMATION

ITEM NO.	ITEM CODE	DESCRIPTION
10 11 12	2524-9089100 2524-9089110 2524-9089200	DELINEATOR, RIGID - TYPE I DELINEATOR, RIGID - TYPE IA DELINEATOR, RIGID - TYPE II Refer to TAB 190-25 for locations and details.
13	2524-9210000	MILEPOST MARKERS - -
14	2524-9275222	WOOD POSTS FOR TYPE A OR B SIGNS, 4 IN. X 6 IN. Refer to TAB 190-50,190-51 and 190-60 for locations and details.
15	2524-9290006	MODIFICATION OF EXISTING SIGNS See Tab. 190-55 and Sheet N.21 for details and requirements.
16	2524-9290009	SIGN MOUNTING BRACKETS, SPECIAL Refer to TAB 190-51 for locations and details. METHOD OF MEASUREMENT: The Engineer will count the number of sign mounting brackets. BASIS OF PAYMENT: The contractor will be paid the contract unit price for each sign mounting bracket.
17	2524-9325001	TYPE A SIGNS, SHEET ALUMINUM This item shall consist of the furnishing and installation of Type A signs. The signs shall be installed on either wood posts, perforated square tube, or other sign support structures as shown in the plans. Item shall be in accordance with Article 2524. METHOD OF MEASUREMENT: The Engineer will count each Type A sign to furnish and installed. BASIF OF PAYMENT: For each Type A sign furnished and installed, the Contractor shall be paid the contract unit price. This payment shall be full compensation for the purchasing and erecting the signs complete, including installing the sign as shown in the plans, furnishing all labor, and furnishing all other details necessary to provide the signs complete and erected in place.
18	2524-9380001	TYPE B SIGNS, EXTRUDED ALUMINUM STRUCTURAL PANEL See TAB 190-50 for locations and details.
19	2526-8285000	CONSTRUCTION SURVEY - -
20	2528-8445110	TRAFFIC CONTROL Traffic Control Plan can be found in the C sheets.
21	2533-4980005	MOBILIZATION - -
22	2599-9999014	SPECIAL TYPE 'B' SIGNS See Tab. 190-50 and Sheets N.10 - N.15 for details and requirements.

SIGNING NOTES

SIGN-NOTE
09-25-02

SIGN INSTALLATION QUALITY CONTROL NOTES

Post lengths have been derived from the proposed grading cross sections and shall be field verified.

Slight differences between the design template and the actual field conditions should be expected. These variations should be resolved by doing some localized grading and shaping. Material needed to meet the site requirements of SI-113 should be obtained from the footing excavation and/or the area immediately adjacent to the footing. Any reshaping work shall not substantially change the foreslopes or the drainage in the vicinity of the sign.

Significant differences between the design template and the actual field conditions need to be resolved in this manner. The location shall be surveyed and the actual template drawn on the cross section. Each post length shall be recalculated and compared to the maximum allowable leg length. If all of the leg lengths are less than or equal to the maximum allowable leg length, then the proposed post design will be sufficient. If any leg is greater than the maximum allowable leg length, then the cross section with the actual template drawn (including offsets and elevation from the survey shown) shall be submitted to the Engineer. The Engineer may forward this information on to the design Engineer in order to complete a new post design.

The Contractor shall install the footings & stub posts, and posts in accordance with the following tolerances:

-the elevation difference from the edge of pavement to the bottom of the sign shall be ±6 inches (150 mm) the dimension shown.

-the elevation difference between the top of the highest post and the lowest post at a site shall be less than 2 inches (50 mm).

Footing construction is the controlling activity that substantially affects the quality of the site installation. It is imperative that the elevation difference between the stubs is exactly the same as the elevation difference between the post lengths. The Contractor shall, upon request by the Engineer, submit documentation detailing the site field shots in order to verify site installation.

04-03-01 203-2

During construction of this project, the contractor will be required to coordinate his operations with those of other contractors working within the same area. Other work in progress during the same period of the time will include construction of the following projects:

Project	Type of Work
IM-NHS-029-3(86)52--03-78	PCC Pavement - Grade and New
IM-080-1(336)0--13-78	PCC Pavement - Grade and New
IM-NHS-029-3(80)52--03-78	Bridge
IM-080-1(330)0--13-78	Reconstruction - Bridge Deck Replacement
IM-080-1(337)0--13-78	Traffic Signs
IM-080-1(338)0--13-78	Lighting
IM-NHS-029-3(95)52--03-78	Lighting

TRAFFIC CONTROL PLAN

108-23
04-04-89

1. Traffic will be maintained on I-80 at all times. No Lane closures will be allowed during the College World Series and U.S. Olympic Swim Trials. Otherwise, lane closures will be allowed:
Sunday 10:00 PM - Monday 6:00 AM.
Monday 10:00 PM - Tuesday 6:00 AM.
Tuesday 10:00 PM - Wednesday 6:00 AM.
Wednesday 10:00 PM - Thursday 6:00 AM.
Thursday 10:00 PM - Friday 6:00 AM.
Friday 10:00 PM - Saturday 5:00 AM.
Saturday 10:00 PM - Sunday 10:00 AM.

Shoulder closures will be allowed during non-peak hours or by permission of the engineer only. Peak hours are 6AM to 9AM and 3 PM to 6PM, Monday thru Saturday.

2. Closures for setting bridge beams over the Interstate will be allowed at the following times:
Sunday 12:00 Midnight - Monday 4:00 AM.
Monday 12:00 Midnight - Tuesday 4:00 AM.
Tuesday 12:00 Midnight - Wednesday 4:00 AM.
Wednesday 12:00 Midnight - Thursday 4:00 AM.
Thursday 12:00 Midnight - Friday 4:00 AM.

3. Traffic control on this project shall be found in accordance with the TC series of Standard Road Plans found in Tab. 105-4. For additional complementary information, refer to part 6 of the Manual on Uniform Traffic Control devices and the current Standard Specifications.

STANDARD ROAD PLANS

105-4
04-20-10

The following Standard Road Plans shall be considered applicable to construction work on this project.

Number	Date	Title
SI-101	04-21-09	Locations - Type 'A' Signs
SI-102	10-20-09	Locations - Type 'B' Signs
SI-111	10-20-09	Support Structures - Wood Posts
SI-113	10-19-10	Support Structures - Steel Breakaway Posts
SI-119	10-20-09	Support Structures - Mounting Brackets
SI-121	04-20-10	Fabrication - Sign Legend Components
SI-123	10-20-09	Fabrication - Type 'B' Signs
SI-131	10-19-10	Installation - Type 'A' Signs
SI-132	04-20-10	Installation - Type 'B' Signs
SI-171	10-20-09	Reference Posts
SI-172	04-20-10	Delineators
TC-1	10-17-06	Work Not Affecting Traffic
TC-402	04-20-10	Shoulder Closure (Multi-Lane)
TC-418	04-20-10	Lane Closure on Divided Highway
TC-451	10-21-08	Temporary Road Closure on Divided Highway

TABULATION OF SPECIAL EVENTS

102-15
10-29-02

Event	Location	Date
College World Series	TD Ameritrade Park - Omaha	mid-June
River City Round-up	Omaha/Council Bluffs Area	Late September
Septemberfest	Omaha/Council Bluffs Area	Late August - Early September
Fireworks Display	Omaha/Council Bluffs Area	July 4th

TABULATION OF WIRE, CABLE AND CONNECTORS

108-12
2-11-00

CIRCUIT NUMBER	RM-40 CONNECTORS						PHASE LINES								GROUND		REMARKS
	TYPE	QUAN. NO.	TYPE	QUAN. NO.	TYPE	QUAN. NO.	TYPE	QUAN. NO.	SIZE A.W.G.	QUAN. L.F.	SIZE A.W.G.	QUAN. L.F.	SIZE A.W.G.	QUAN. L.F.	SIZE A.W.G.	QUAN. L.F.	SIZE A.W.G.	QUAN. L.F.	
R-3			Y-1	4			L-2	4			10	260	4	1140			6	600	
R-4			Y-1	4			L-2	14							4/0	4429	6	2242	
R-5			Y-1	4			L-2	14							4/0	4730	6	1026	
R-6			Y-1	2			L-2	22							4/0	6249	6	901	
E-1			Y-1	4			L-2	20	250	5789							6	2922	
E-3			Y-1	4			L-2	10							4/0	4129	6	2049	
E-5	L-1	16	Y-1	16			L-2	14	2	6613	10	1200					6	3135	
N-1			Y-1	4			L-2	12	2	3183							6	1619	
N-2			Y-1	4			L-2	20	250	5707							6	1478	
N-3	L-1	2	Y-1	2			L-2	12					8	2805			6	640	
E-0															4/0	130	6	85	
N-0															4/0	130	6	85	

TABULATION OF SPECIAL EVENTS

102-15
10-29-02

Event	Location	Date
COLLEGE WORLD SERIES RIVER CITY ROUNDUP SEPTEMBERFEST FIREWORKS DISPLAY	OMAHA	JUNE 18TH THRU JUNE 29TH LATE SEPTEMBER LATE AUGUST-EARLY SEPTEMBER JULY 4TH

04-03-01 203-2

During construction of this project, the contractor will be required to coordinate his operations with those of other contractors working within the same area. Other work in progress during the same period of the time will include construction of the following projects:

Project	Type of Work
IM-NHS-029-3(86)52--03-78	GRADE AND PAVE
IM-NHS-029-3(80)52--03-78	BRIDGE
IM-NHS-029-3(94)52--03-78	TRAFFIC SIGNS

TABULATION OF LIGHTING INSTALLATIONS

108-1
2-11-00

(1) RM-39 and RM-47

LOCATION NO.	LOCATION STATION	RM-31 TYPE	RM-31 A	RM-31 E	FOOTING TYPE (1)	REMARKS
R301	7405+91	1	6	6	RM-39	
R302	37507+74	1	6	6	RM-39	
W13	7413+71 LT116					
W11	7419+47 LT269					
W12	7413+14 RT179					
W10	7419+48 RT256					
W8	7422+16 RT276					
W7	7432+24 LT343					
W9	7426+74 LT258					
W4	7439+85 RT164					
W5	7433+95 RT216					
E501	42545+26	1	6	6	RM-47	
E502	42546+96	1	6	6	RM-47	
E503	42548+62	1	6	6	RM-47	
E504	42550+32	1	6	6	RM-47	
E505	42552+02	1	6	6	RM-47	
E506	42553+72	1	6	6	RM-47	
E507	42555+42	1	6	6	RM-47	
E508	42557+12	1	6	6	RM-47	
W19	1569+10 RT21					
W18	1574+91 RT60					
W17	9493+94 RT78					
W15	9499+17 RT111					

TRAFFIC CONTROL PLAN

108-23
04-04-89

1. Traffic will be maintained on I-80 at all times. No Lane closures will be allowed during the College World Series and U.S. Olympic Swim Trials. Otherwise, lane closures will be allowed:
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Thursday 12:00 Midnight - Friday 4:00 AM.

3. Traffic control on this project shall be found in accordance with the TC series of Standard Road Plans found in Tab. 105-4. For additional complementary information, refer to part 6 of the Manual on Uniform Traffic Control devices and the current Standard Specifications.

GENERAL NOTES AND ESTIMATE OF QUANTITIES

I-29/80 IN COUNCIL BLUFFS - I-80 EB FROM E. OF MISSORURI RIVER TO E. OF INDIAN CR AND I-29 SB FROM 24TH ST TO E. OF INDIAN CR.
SHEET 9