Wisconsin Department of Transportation

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November 4, 2016

NOTICE TO ALL CONTRACTORS:

Proposal #16: 1021-01-70, WISC 2016 351
Baldwin-Menomonie
STH 128 Bridge B-55-0266
IH 94
St. Croix County

Letting of November 8, 2016

This is Addendum No. 02, which provides for the following:

Special Provisions

Added Special Provisions	
Article No.	Description
35	HMA Pavement 3 HT 58-34 V 3.0% Va Regression Special, Item SPV.0195.03 and HMA Pavement 4 HT 58-34 V 3.0% Va Regression Special, Item SPV.0195.04.

Deleted Special Provisions	
Article No.	Description
33	HMA Pavement 3 MT 58-28 S 3.0% Va Regression Special, Item SPV.0195.01 and HMA Pavement 4 MT 58-34 H 3.0% Va Regression Special, Item SPV.0195.02.

Schedule of Items

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
440.4410	Incentive IRI Ride	DOL	5,180	-3,070	2,110

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
SPV.0195.03	HMA Pavement 3 HT 58-34 V 3.0% Va Regression Special	Ton	0	13,045	13,045
SPV.0195.04	HMA Pavement 4 HT 58-34 V 3.0% Va Regression Special	Ton	0	5,480	5,480

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
SPV.0195.01	HMA Pavement 3 MT 58-28 S 3.0% Va Regression Special	Ton	13,045	-13,405	0
SPV.0195.02	HMA Pavement 4 MT 58-34 H 3.0% Va Regression Special	Ton	5,480	-5,480	0

Plan Sheets

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
92	Traffic Control: Stage 1 Overview (added asphalt surface temporary and temporary pavement markings)
93-94	Traffic Control: Stage 1 – STH 128 (added asphalt surface temporary and temporary pavement markings)
96	Traffic Control: Stage 1 – Ramps (added asphalt surface temporary and temporary pavement markings)
97	Traffic Control: Stage 1A Overview (added asphalt surface temporary and temporary pavement markings)
98-99	Traffic Control: Stage 1A – STH 128 (added asphalt surface temporary and temporary pavement markings)
101	Traffic Control: Stage 1A – Ramps (added asphalt surface temporary and temporary pavement markings)
102	Traffic Control: Stage 2 Overview (added asphalt surface temporary and temporary pavement markings)
103-104	Traffic Control: Stage 2 – STH 128 (added asphalt surface temporary and temporary pavement markings)
105	Traffic Control: Stage 2 – Ramps (added asphalt surface temporary and temporary pavement markings)
141	MQs (added incentive IRI ride)

Other

Note: All plan sheet notes that call out HMA Pavement 3 MT 58-28 S 3.0% Va Regression Special is hereby replaced with HMA Pavement 3 HT 58-34 V 3.0% Va Regression Special.

Note: All plan sheet notes that call out HMA Pavement 4 MT 58-34 H 3.0% Va Regression Special is hereby replaced with HMA Pavement 4 HT 58-34 V 3.0% Va Regression Special.

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 02

1021-01-70

November 4, 2016

Special Provisions

33. DELETED.

35. HMA Pavement 3 HT 58-34 V 3.0% Va Regression Special, Item SPV.0195.03 and HMA Pavement 4 HT 58-34 V 3.0% Va Regression Special, Item SPV.0195.04.

A Description

This special provision describes providing HMA pavement including the binder under a combined bid item along with air void regression as described here within.

Define gradations, traffic levels, and asphaltic binder designation levels as follows:

GRADATIONS (NMAS)	TRAFFIC VOLUME	DESIGNATION LEVEL
1 37.5 mm	LT Low	S Standard
2 25.0 mm	MT Medium	H Heavy
3 19.0 mm	HT High	V Very Heavy
4 12.5 mm		E Extremely Heavy
5 9.5 mm		
6 4.75 mm		

Construct HMA pavement of the type the bid item indicates encoded as follows:

3 LT 58-34 S

Gradation Traffic Binder Designation

Conform to standard spec 460 as modified in this special provision.

B Materials

Add the following to standard spec 460.2:

Design mixtures conforming to tables 460-1 and 460-2 to 4.0% air voids to establish the aggregate structure.

Determine the target JMF Asphalt Binder content for production from the mix design data corresponding to 3.0% air voids (97% Gmm) target at Ndes. The air voids at the design number of gyrations, (Ndes) shall be achieved by the addition of liquid asphalt meeting the contract specifications.

Production shall conform to VMA and Dust to Binder Ratio requirements of table 460-1 and 460-2.

Replace standard spec table 460-1 with the following to change the footnotes to refer to LT and MT mixes instead of E-0.3 and E-3 mixes:

TABLE 460-1 AGGREGATE GRADATION MASTER RANGE AND VMA REQUIREMENTS

SIEVE	PERCENTS PASSING DESIGNATED SIEVES						
	NOMINAL SIZE						
	37.5 mm	25.0 mm	19.0 mm	12.5 mm	9.5 mm	SMA 12.5	SMA 9.5 mm

	(#1)	(#2)	(#3)	(#4)	(#5)	mm (#4)	(#5)
50.0-mm	100						
37.5-mm	90 –100	100					
25.0-mm	90 max	90 -100	100				
19.0-mm	___	90 max	90 -100	100		100	
12.5-mm	___	___	90 max	90 -100	100	90 - 97	100
9.5-mm	___	___	___	90 max	90 -100	58 - 72	90 - 100
4.75-mm	___	___	___	___	90 max	25 - 35	35 - 45
2.36-mm	15 – 41	19 - 45	23 - 49	28 - 58	20 - 65	15 - 25	18 - 28
75-µm	0 – 6.0	1.0 - 7.0	2.0 - 8.0	2.0 - 10.0	2.0 - 10.0	8.0 - 12.0	10.0 - 14.0
% MINIMUM VMA	11.0	12.0	13.0	14.0[1]	15.0[2]	16.0	17.0

[1] 14.5 for LT and MT mixes

[2] 15.5 for LT and MT mixes

Replace standard spec table 460-2 with the following to switch from E mixes to LT, MT, and HT mixes; and change the tensile strength ratio requirements to 0.75 without antistripping additive and 0.80 with antistripping additive:

TABLE 460-2 MIXTURE REQUIREMENTS

Mixture type	LT	MT	HT	SMA
ESALs x 106 (20 yr design life)	<2.0	2 - <8	>8	> 5 mil
LA Wear (AASHTO T96)				
100 revolutions(max % loss)	13	13	13	13
500 revolutions(max % loss)	50	45	45	40
Soundness (AASHTO T104) (sodium sulfate, max % loss)	12	12	12	12
Freeze/Thaw (AASHTO T103) (specified counties, max % loss)	18	18	18	18
Fractured Faces (ASTM 5821) (one face/2 face, % by count)	65/ __	75 / 60	98 / 90	100/90
Flat & Elongated (ASTM D4791) (max %, by weight)	5 (5:1 ratio)	5 (5:1 ratio)	5 (5:1 ratio)	20 (3:1 ratio)
Fine Aggregate Angularity (AASHTO T304, method A, min)	40	43	45	45
Sand Equivalency (AASHTO T176, min)	40	40	45	50
Gyratory Compaction				
Gyrations for Nini	6	7	8	8
Gyrations for Ndes	40	75	100	65
Gyrations for Nmax	60	115	160	160
Air Voids, %Va (%Gmm Ndes)	4.0 (96.0)	4.0 (96.0)	4.0 (96.0)	4.0 (96.0)
% Gmm Nini	<= 91.5[1]	<= 89.0[1]	<= 89.0	___
% Gmm Nmax	<= 98.0	<= 98.0	<= 98.0	___
Dust to Binder Ratio[2] (% passing 0.075/Pbe)	0.6 - 1.2	0.6 - 1.2	0.6 - 1.2	1.2 - 2.0
Voids filled with Binder	68 - 80[4] [5]	65 – 75[3] [4]	65 - 75[3] [4]	70 - 80

(VFB or VFA, %)				
Tensile Strength Ratio (TSR) (ASTM 4867)				
no antistripping additive	0.75	0.75	0.75	0.75
with antistripping additive	0.80	0.80	0.80	0.80
Draindown at Production Temperature (%)	___	___	___	0.30

[1] The percent maximum density at initial compaction is only a guideline.

[2] For a gradation that passes below the boundaries of the caution zone (ref. AASHTO MP3), the dust to binder ratio limits are 0.6 - 1.6.

[3] For #5 (9.5mm) and #4 (12.5 mm) nominal maximum size mixtures, the specified VFB range is 70 - 76%.

[4] For #2 (25.0mm) nominal maximum size mixes, the specified VFB lower limit is 67%.

[5] For #1 (37.5mm) nominal maximum size mixes, the specified VFB lower limit is 67%.

Replace standard spec 460.2.8.2.1.7 paragraph six with the following to base payment adjustment on the combined bid item unit price:

(6) The department will reduce payment for nonconforming QMP HMA mixtures, starting from the stop point to the point when the running average is back inside the warning limits, as follows:

PAYMENT FOR MIXTURE[1] [2]

ITEM	PRODUCED WITHIN WARNING BANDS	PRODUCED OUTSIDE JMF LIMITS
Gradation	90%	75%
Asphalt Content	85%	75%
Air Voids	70%	50%
VMA	90%	75%

[1] For projects or plants where the total production of each mixture design requires less than 4 tests refer to CMM 8-36.

[2] Payment is in percent of the contract unit price for the HMA Pavement bid item. The department will reduce pay based on the nonconforming property with lowest percent pay. The department will administer pay reduction under the Nonconforming QMP HMA Mixture administrative item.

Replace standard spec 465.2 with the following:

(1) Under the Asphaltic Surface, Asphaltic Surface Detours, and Asphaltic Surface Patching bid items; submit a mix design. Furnish asphaltic mixture meeting the requirements specified for either type LT or MT mix under 460.2; except the engineer will not require the contractor to conform to the quality management program specified under 460.2.8.

(2) Under the other 465 bid items, the contractor need not submit a mix design. Furnish aggregates mixed with a type AC asphaltic material. Use coarse and fine mineral aggregates uniformly coated and mixed with the asphaltic material in an engineer-approved mixing plant. The contractor may include reclaimed asphaltic pavement materials in the mixture.

C Construction

Replace standard spec table 460-3 with the following to switch from E mixes to LT, MT, and HT mixes and to increase field density requirements by 1.5% when operating under this HMA Pavement 3.0% Va Regression SPV:

TABLE 460-3 MINIMUM REQUIRED DENSITY[1]

LOCATION	LAYER	PERCENT OF TARGET MAXIMUM DENSITY		
		MIXTURE TYPE		
		LT AND MT	HT	SMA[5]
TRAFFIC LANES[2]	LOWER	93.0[3]	93.0[4]	____
	UPPER	93.0	93.0	____
SIDE ROADS, CROSSOVERS, TURN LANES, & RAMPS	LOWER	93.0[3]	93.0[4]	____
	UPPER	93.0	93.0	____
SHOULDERS & APPURTENANCES	LOWER	91.0	91.0	____
	UPPER	92.0	92.0	____

[1] The table values are for average lot density. If any individual density test result falls more than 3.0 percent below the minimum required target maximum density, the engineer may investigate the acceptability of that material.

[2] Includes parking lanes as determined by the engineer.

[3] Minimum reduced by 2.0 percent for a lower layer constructed directly on crushed aggregate or recycled base courses.

[4] Minimum reduced by 1.0 percent for a lower layer constructed directly on crushed aggregate or recycled base courses.

[5] The minimum required densities for SMA mixtures are determined according to CMM 8-15.

Delete standard spec 460.2.8.2.1.5(1) and replace with the following:

(1) Conform to the following control limits for the JMF and warning limits based on a running average of the last 4 data points:

ITEM	JMF LIMITS	WARNING LIMITS
Percent passing given sieve:		
37.5-mm	+/- 6.0	+/- 4.5
25.0-mm	+/- 6.0	+/- 4.5
19.0-mm	+/- 5.5	+/- 4.0
12.5-mm	+/- 5.5	+/- 4.0
9.5-mm	+/- 5.5	+/- 4.0
2.36-mm	+/- 5.0	+/- 4.0
75-µm	+/- 2.0	+/- 1.5
Asphaltic content in percent	- 0.3	- 0.2
Air voids in percent	+ 1.3/-1.0	+ 1.0/-0.7
VMA in percent[1]	- 0.5	- 0.2

[1] VMA limits based on minimum requirement for mix design nominal maximum aggregate size in table 460-1.

Delete standard spec 460.2.8.3.1.6(1) and replace with the following:

(1) The engineer will provide test results to the contractor within 2 mixture-production days after obtaining the sample. The quality of the product is acceptably verified if it meets the following limits:

- Va is within a range of 2.0 to 4.3 percent.

- VMA is within minus 0.5 of the minimum requirement for the mix design nominal maximum aggregate size.

D Measurement
The department will measure HMA Pavement (type) 3.0% Va Regression Special conforming to standard spec 460.4.

E Payment

Add the following to standard spec 460.5 to switch from E mixes to LT, MT, and HT mixes; to combine the pavement and binder bid items; and to specify a pay reduction for pavement placed with nonconforming binder:

The department will pay for measured quantities at the contract unit price under the following bid items:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0195.03	HMA Pavement 3 HT 58-34 V 3.0% Va Regression Special	TON
SPV.0195.04	HMA Pavement 4 MT 58-34 V 3.0% Va Regression Special	TON

Payment is full compensation for providing HMA Pavement including asphaltic binder.

In addition to any pay adjustment under standard spec 460.2.8.2.1.7(6), the department will adjust pay for nonconforming binder under the Nonconforming QMP Asphaltic Material administrative item. The department will deduct 25 percent of the contract unit price of the HMA Pavement bid item per ton of pavement placed with nonconforming PG binder the engineer allows to remain in place.

Delete standard spec 460.5.2.3(1) and replace with the following:

(1)If the lot density is greater than the minimum specified in table 460-3 and all individual air voids test results for that mixture placed during the same day are within 2.5 - 4.0 percent, the department will adjust pay for that lot as follows:

INCENTIVE PAY ADJUSTMENT FOR HMA PAVEMENT DENSITY

PERCENT LOT DENSITY ABOVE SPECIFIED MINIMUM	PAY ADJUSTMENT PER TON[1]
From -0.4 to 1.0 inclusive	$0
From 1.1 to 1.8 inclusive	$0.40
More than 1.8	$0.80

[1] The department will prorate the pay adjustment for a partial lot.

Schedule of Items
Attached, dated November 4, 2016, are the revised Schedule of Items pages 2, 12, and 13.

Plan Sheets
The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:
Revised: 92-94, 96-99, 101-105.

END OF ADDENDUM

TRAFFIC CONTROL - GENERAL NOTES:

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD).

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE FIELD ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL WORK ZONE, INCLUDING PRE-EXISTING SIGNING, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE FIELD ENGINEER.

REMOVING/REPLACING OR COVERING/UNCOVERING SIGNS WILL BE INCIDENTAL TO TRAFFIC CONTROL BID ITEM UNLESS OTHERWISE ACCOUNTED FOR IN PLAN.

EXISTING TRAFFIC SIGNS MAY REQUIRE RELOCATION DURING STAGES OF CONSTRUCTION AND SHALL BE LOCATED AS REQUIRED BY THE FIELD ENGINEER.

A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE THE WORK ZONE IF WARRANTED BY CONDITIONS OR AS DIRECTED BY THE ENGINEER.

FLAGGING IS NOT ALLOWED ON IH 94 AT ANY TIME.

SINGLE LANE CLOSURES WILL BE ALLOWED ON IH 94 AS PERMITTED IN THE CONTRACT DOCUMENTS. REFER TO THE CONTRACT SPECIAL PROVISIONS FOR ADDITIONAL LANE AND RAMP CLOSURE REQUIREMENTS.

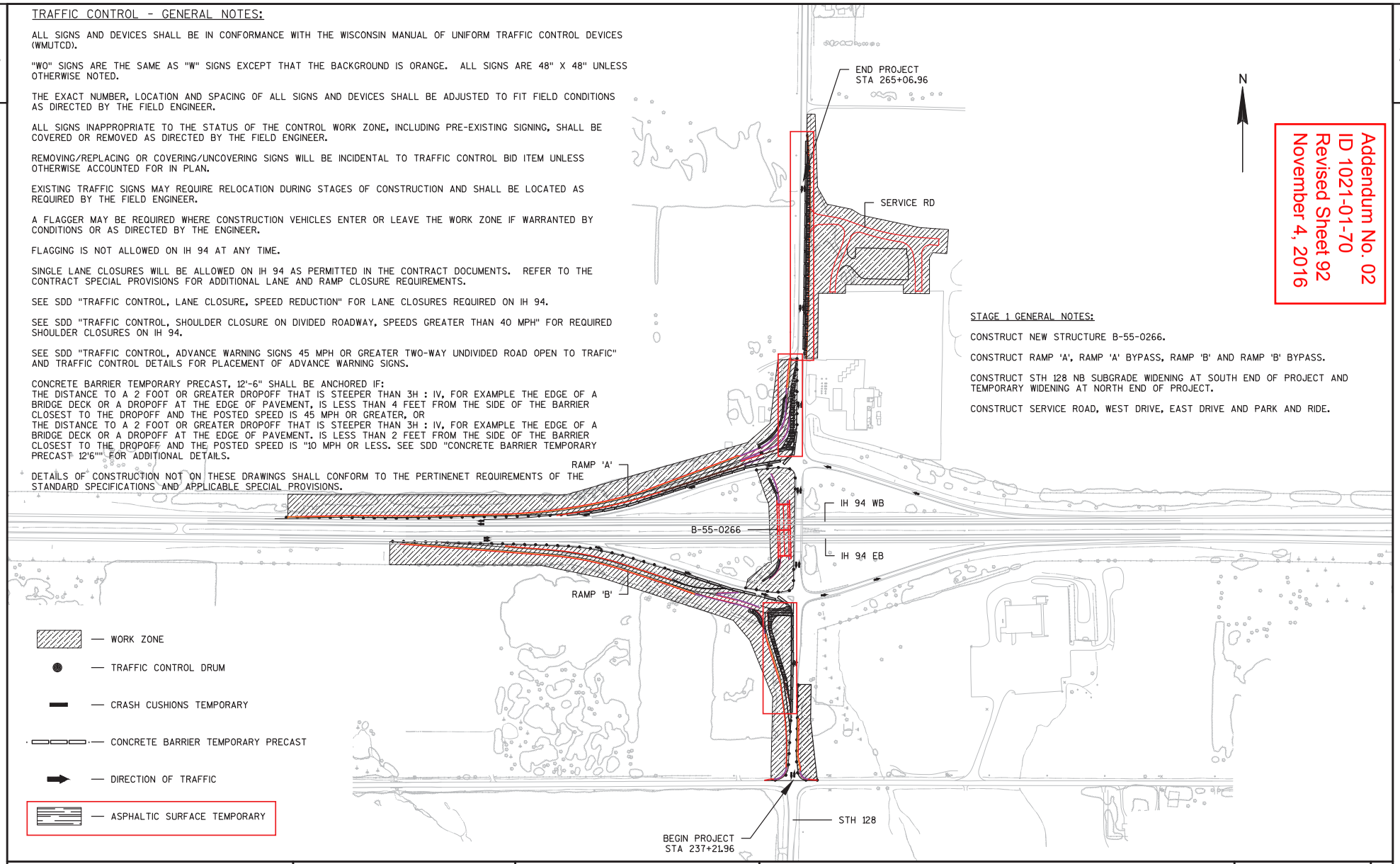
SEE SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" FOR LANE CLOSURES REQUIRED ON IH 94.

SEE SDD "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH" FOR REQUIRED SHOULDER CLOSURES ON IH 94.

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFIC" AND TRAFFIC CONTROL DETAILS FOR PLACEMENT OF ADVANCE WARNING SIGNS.

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" SHALL BE ANCHORED IF:
THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : IV, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 4 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 45 MPH OR GREATER, OR
THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : IV, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT. IS LESS THAN 2 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS "10 MPH OR LESS. SEE SDD "CONCRETE BARRIER TEMPORARY PRECAST 12'6"" FOR ADDITIONAL DETAILS.

DETAILS OF CONSTRUCTION NOT ON THESE DRAWINGS SHALL CONFORM TO THE PERTINENET REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



Addendum No. 02
ID 1021-01-70
Revised Sheet 92
November 4, 2016

STAGE 1 GENERAL NOTES:

CONSTRUCT NEW STRUCTURE B-55-0266.

CONSTRUCT RAMP 'A', RAMP 'A' BYPASS, RAMP 'B' AND RAMP 'B' BYPASS.

CONSTRUCT STH 128 NB SUBGRADE WIDENING AT SOUTH END OF PROJECT AND TEMPORARY WIDENING AT NORTH END OF PROJECT.

CONSTRUCT SERVICE ROAD, WEST DRIVE, EAST DRIVE AND PARK AND RIDE.

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL: STAGE 1 OVERVIEW	SHEET 92	E

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LAYOUT NAME - ****
PLOT DATE : 11/3/2016 1:33 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:400 FT

Addendum No. 02
ID 1021-01-70
Revised Sheet 93
November 4, 2016

2

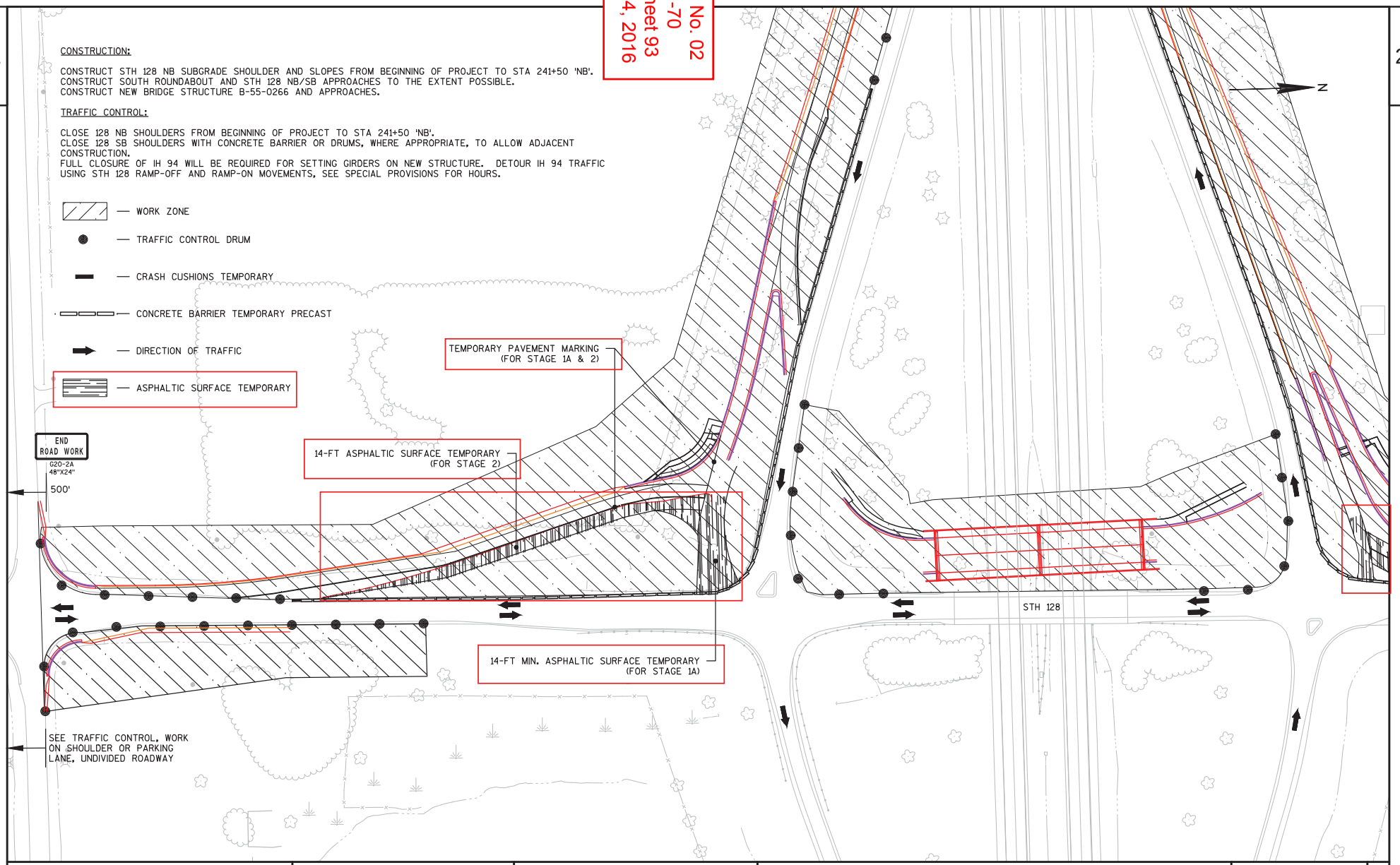
CONSTRUCTION:

CONSTRUCT STH 128 NB SUBGRADE SHOULDER AND SLOPES FROM BEGINNING OF PROJECT TO STA 241+50 'NB'.
CONSTRUCT SOUTH ROUNDABOUT AND STH 128 NB/SB APPROACHES TO THE EXTENT POSSIBLE.
CONSTRUCT NEW BRIDGE STRUCTURE B-55-0266 AND APPROACHES.

TRAFFIC CONTROL:

CLOSE 128 NB SHOULDERS FROM BEGINNING OF PROJECT TO STA 241+50 'NB'.
CLOSE 128 SB SHOULDERS WITH CONCRETE BARRIER OR DRUMS, WHERE APPROPRIATE, TO ALLOW ADJACENT CONSTRUCTION.
FULL CLOSURE OF IH 94 WILL BE REQUIRED FOR SETTING GIRDERS ON NEW STRUCTURE. DETOUR IH 94 TRAFFIC USING STH 128 RAMP-OFF AND RAMP-ON MOVEMENTS, SEE SPECIAL PROVISIONS FOR HOURS.

— WORK ZONE
— TRAFFIC CONTROL DRUM
— CRASH CUSHIONS TEMPORARY
— CONCRETE BARRIER TEMPORARY PRECAST
— DIRECTION OF TRAFFIC
— ASPHALTIC SURFACE TEMPORARY



PROJECT NO: 1021-01-70	HWY: STH 128	COUNTY: ST. CROIX	TRAFFIC CONTROL: STAGE 1 - STH 128	SHEET 93	E

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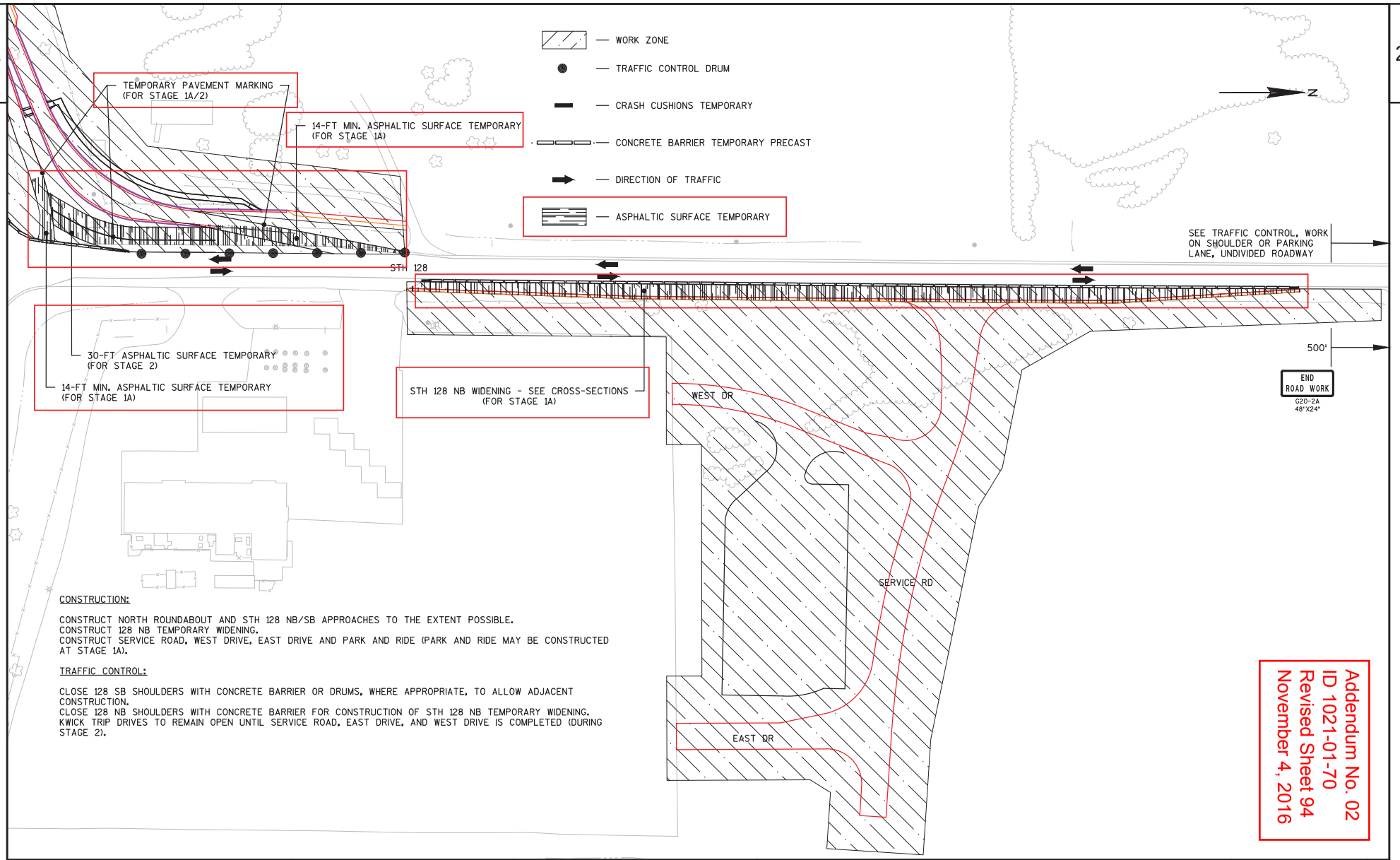
WISDOT/CADDS SHEET 44



CONSTRUCTION:

CONSTRUCT NORTH ROUNDABOUT AND STH 128 NB/SB APPROACHES TO THE EXTENT POSSIBLE.
CONSTRUCT 128 NB TEMPORARY WIDENING.
CONSTRUCT SERVICE ROAD, WEST DRIVE, EAST DRIVE AND PARK AND RIDE (PARK AND RIDE MAY BE CONSTRUCTED AT STAGE 1A).

TRAFFIC CONTROL:

CLOSE 128 SB SHOULDERS WITH CONCRETE BARRIER OR DRUMS, WHERE APPROPRIATE, TO ALLOW ADJACENT CONSTRUCTION.
CLOSE 128 NB SHOULDERS WITH CONCRETE BARRIER FOR CONSTRUCTION OF STH 128 NB TEMPORARY WIDENING.
KWICK TRIP DRIVES TO REMAIN OPEN UNTIL SERVICE ROAD, EAST DRIVE, AND WEST DRIVE IS COMPLETED (DURING STAGE 2).

Addendum No. 02
ID 1021-01-70
Revised Sheet 94
November 4, 2016

PROJECT NO: 1021-01-70	HWY: STH 128	COUNTY: ST. CROIX	TRAFFIC CONTROL: STAGE 1 - STH 128	SHEET 94	E

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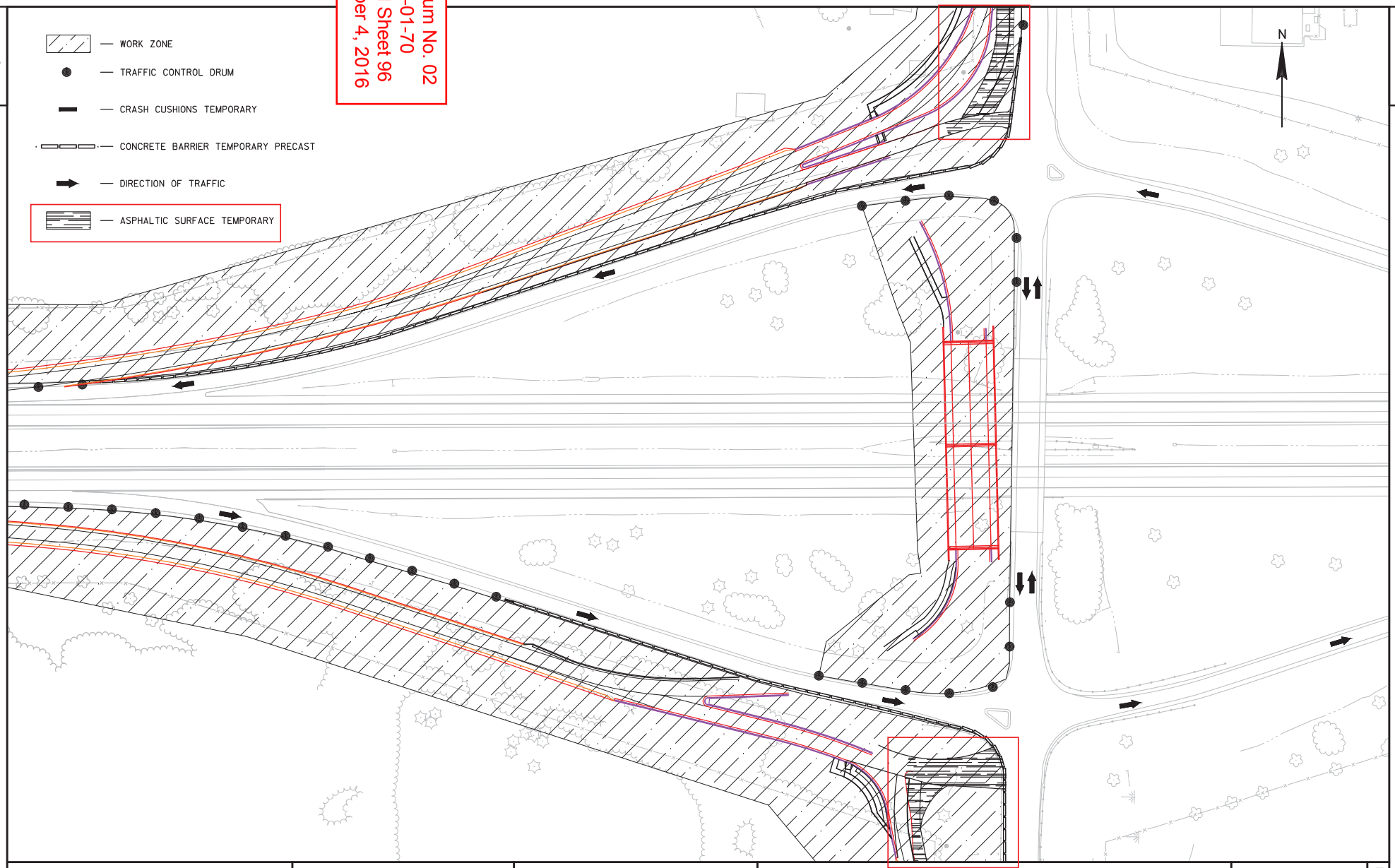
WISDOT/CADDS SHEET 44

Addendum No. 02
ID 1021-01-70
Revised Sheet 96
November 4, 2016

2

— WORK ZONE
— TRAFFIC CONTROL DRUM
— CRASH CUSHIONS TEMPORARY
— CONCRETE BARRIER TEMPORARY PRECAST
— DIRECTION OF TRAFFIC
— ASPHALTIC SURFACE TEMPORARY



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PROJECT NO: 1021-01-70	HWY: STH 128	COUNTY: ST. CROIX	TRAFFIC CONTROL: STAGE 1 - RAMPS	SHEET 96	E

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PLOT DATE : 11/3/2016 1:33 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

— WORK ZONE

— TRAFFIC CONTROL DRUM

— CRASH CUSHIONS TEMPORARY

— CONCRETE BARRIER TEMPORARY PRECAST

— DIRECTION OF TRAFFIC

— ASPHALTIC SURFACE TEMPORARY

STAGE 1A GENERAL NOTES:

BEGIN STAGE 1A AT THE COMPLETION OF RAMP 'A', RAMP 'B' AND STH 128 NB TEMPORARY WIDENING.

CONSTRUCT PORTION OF STH 128 SB LANES BETWEEN BEGINNING OF PROJECT AND STA 241+50.

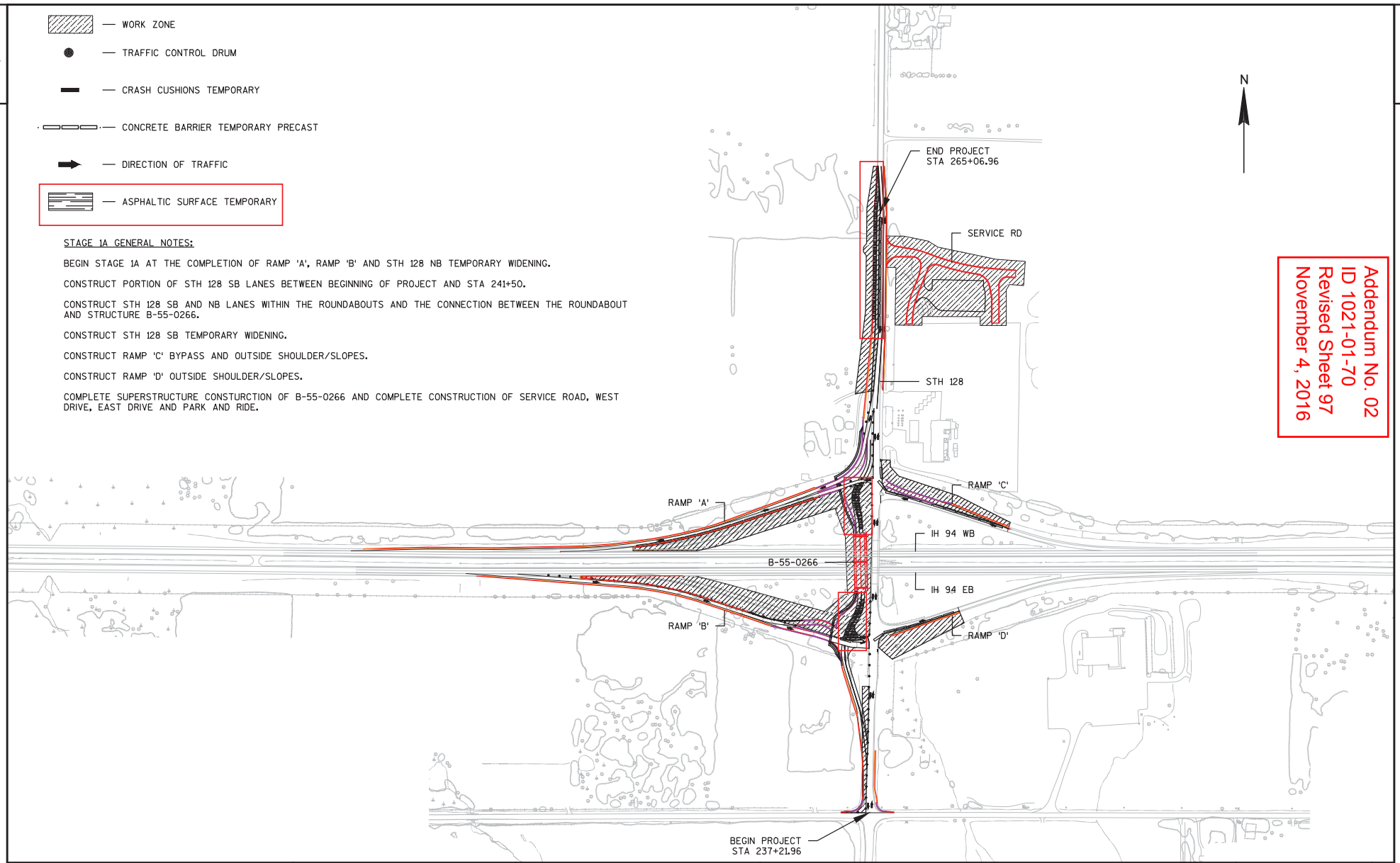
CONSTRUCT STH 128 SB AND NB LANES WITHIN THE ROUNDABOUTS AND THE CONNECTION BETWEEN THE ROUNDABOUT AND STRUCTURE B-55-0266.

CONSTRUCT STH 128 SB TEMPORARY WIDENING.

CONSTRUCT RAMP 'C' BYPASS AND OUTSIDE SHOULDER/SLOPES.

CONSTRUCT RAMP 'D' OUTSIDE SHOULDER/SLOPES.

COMPLETE SUPERSTRUCTURE CONSTURCTION OF B-55-0266 AND COMPLETE CONSTRUCTION OF SERVICE ROAD, WEST DRIVE, EAST DRIVE AND PARK AND RIDE.



Addendum No. 02
ID 1021-01-70
Revised Sheet 97
November 4, 2016

PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL: STAGE 1A OVERVIEW	SHEET 97	E

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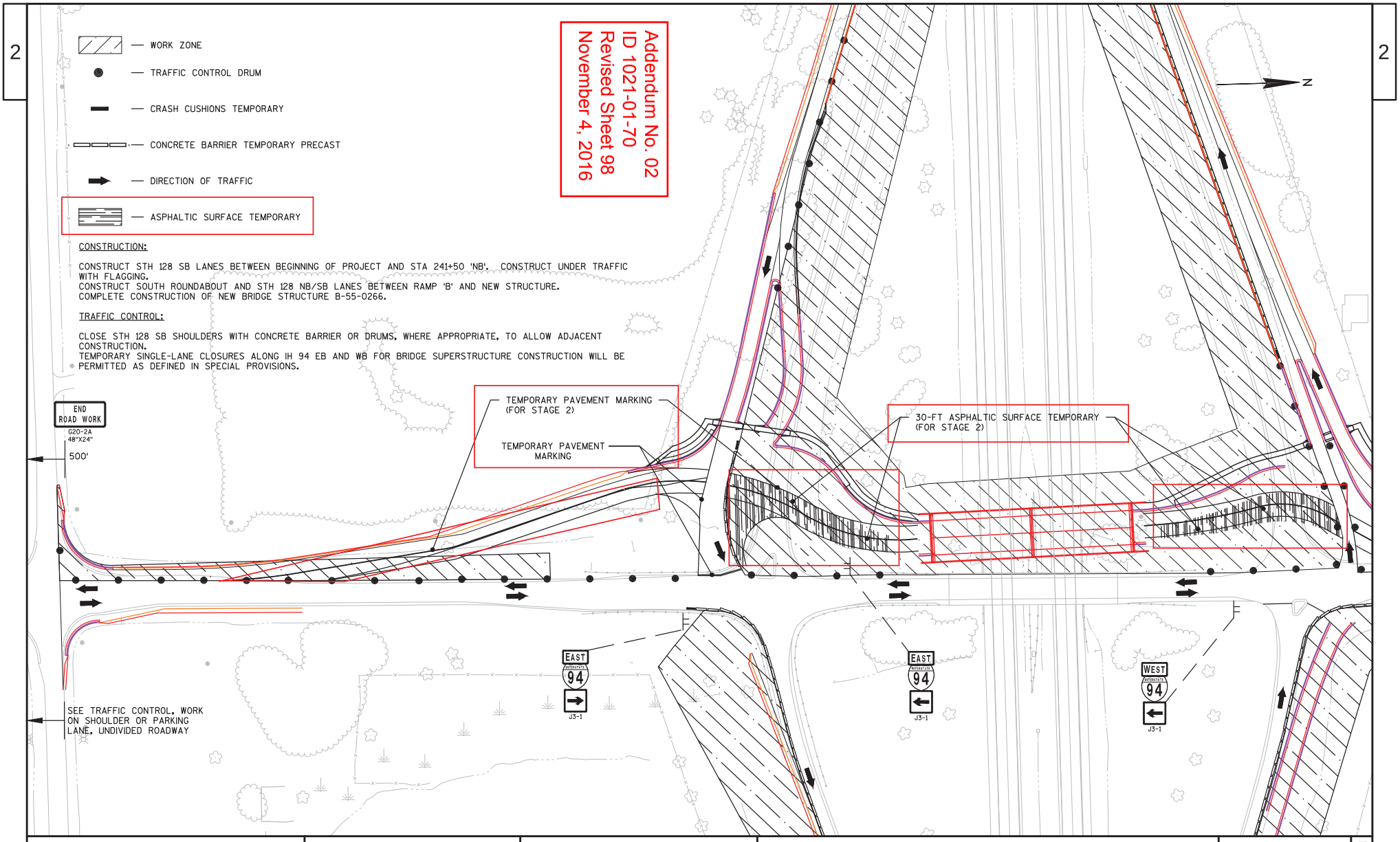
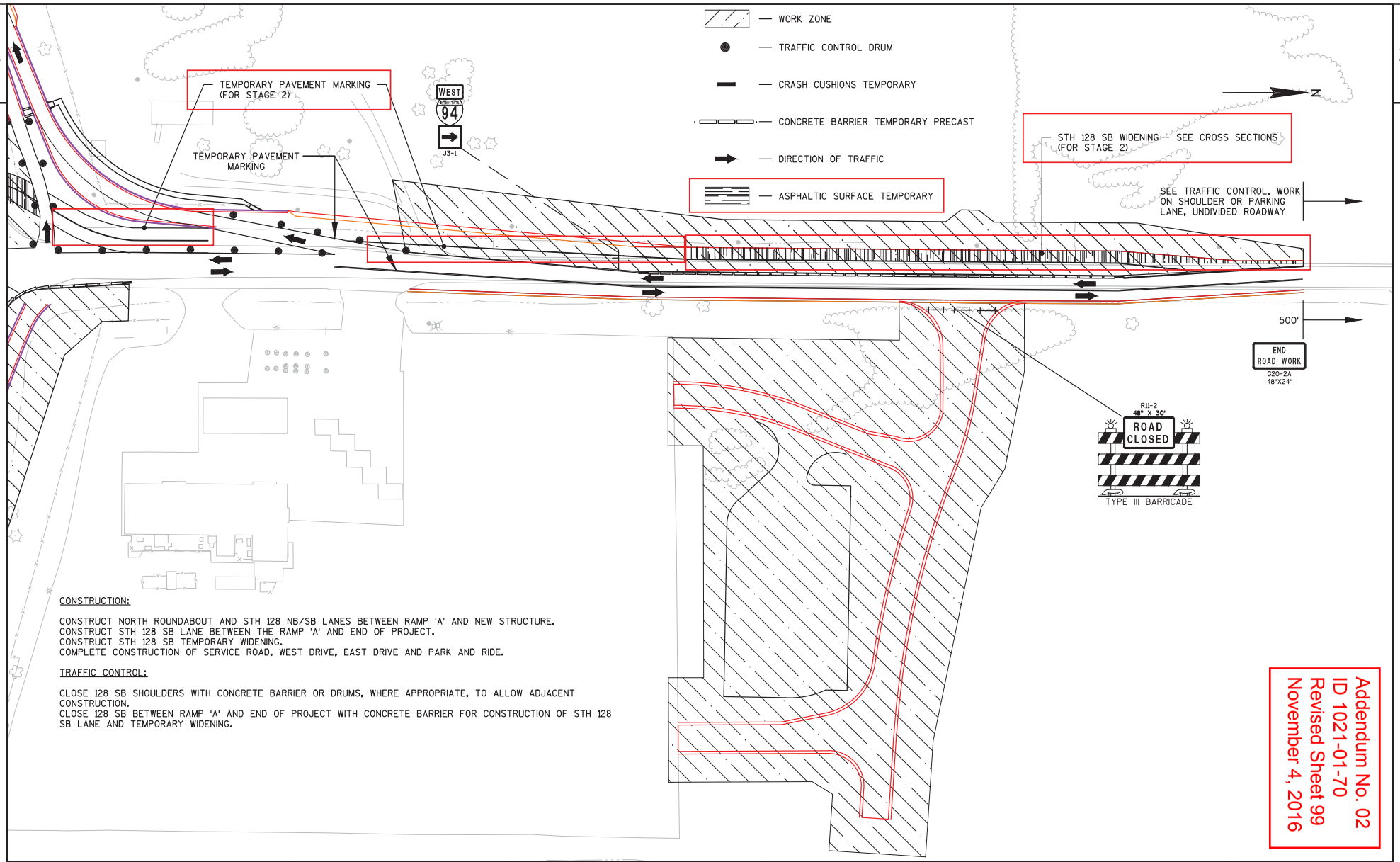
WISDOT/CADDS SHEET 42



PROJECT NO: 1021-01-70	HWY: STH 128	COUNTY: ST. CROIX	TRAFFIC CONTROL: STAGE 1A - STH 128	SHEET 98	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\022102_TC_STH128_10210100.DWG
LAYOUT NAME - SHEET - (18)
PLOT DATE : 11/3/2016 1:41 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:100 FT



CONSTRUCTION:

CONSTRUCT NORTH ROUNDABOUT AND STH 128 NB/SB LANES BETWEEN RAMP 'A' AND NEW STRUCTURE.
CONSTRUCT STH 128 SB LANE BETWEEN THE RAMP 'A' AND END OF PROJECT.
CONSTRUCT STH 128 SB TEMPORARY WIDENING.
COMPLETE CONSTRUCTION OF SERVICE ROAD, WEST DRIVE, EAST DRIVE AND PARK AND RIDE.

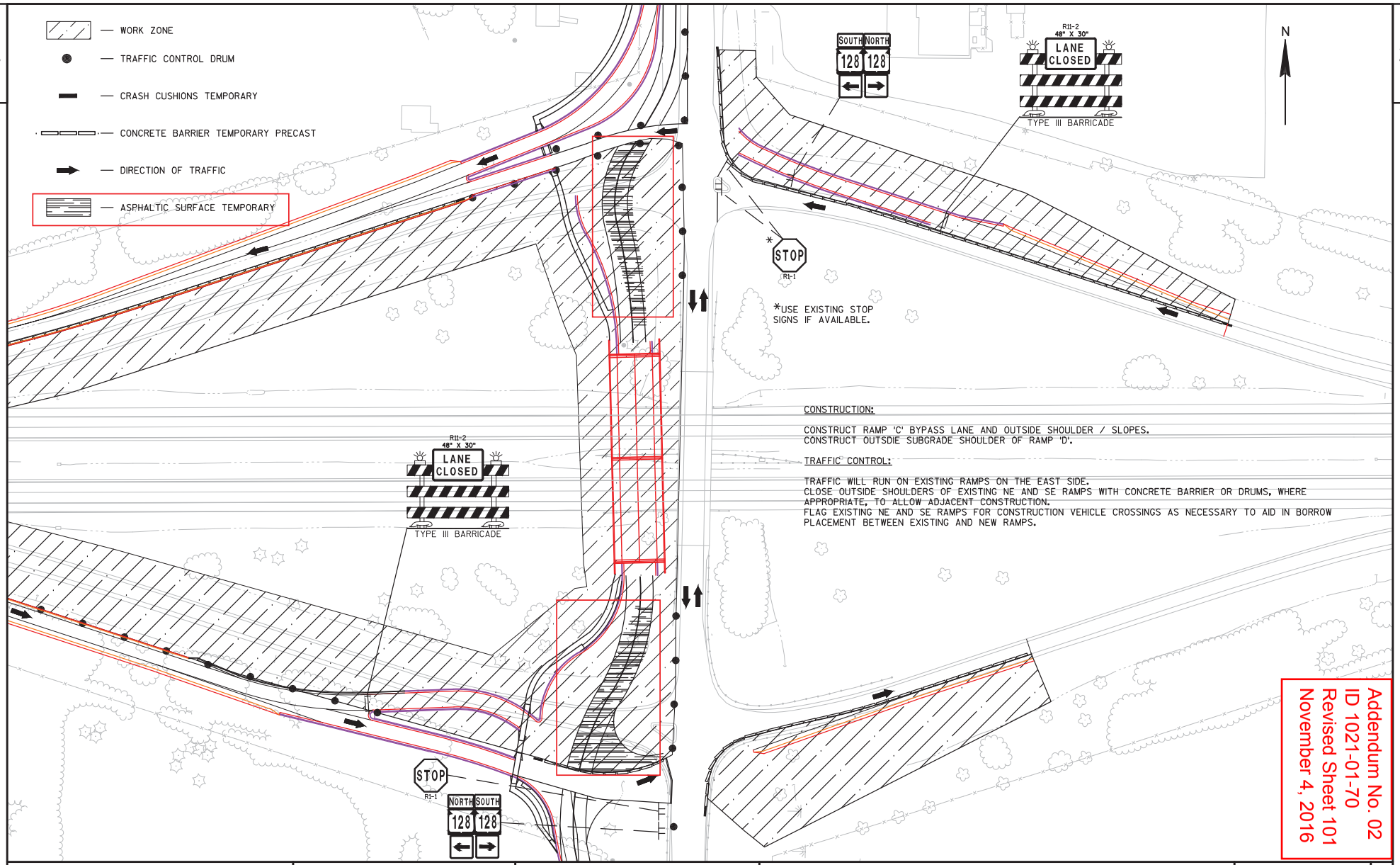
TRAFFIC CONTROL:

CLOSE 128 SB SHOULDERS WITH CONCRETE BARRIER OR DRUMS, WHERE APPROPRIATE, TO ALLOW ADJACENT CONSTRUCTION.
CLOSE 128 SB BETWEEN RAMP 'A' AND END OF PROJECT WITH CONCRETE BARRIER FOR CONSTRUCTION OF STH 128 SB LANE AND TEMPORARY WIDENING.

Addendum No. 02
ID 1021-01-70
Revised Sheet 99
November 4, 2016

PROJECT NO: 1021-01-70	HWY: STH 128	COUNTY: ST. CROIX	TRAFFIC CONTROL: STAGE 1A - STH 128	SHEET 99	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\022102_TC_STH128_10210100.DWG
LAYOUT NAME - SHEET - (19)
PLOT DATE : 11/3/2016 1:41 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 1021-01-70	HWY: STH 128	COUNTY: ST. CROIX	TRAFFIC CONTROL: STAGE 1A - RAMPS	SHEET 101	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\022102_TC_STH128_10210100.DWG
LAYOUT NAME - ****
PLOT DATE : 11/3/2016 1:42 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

— WORK ZONE

— TRAFFIC CONTROL DRUM

— CRASH CUSHIONS TEMPORARY

— CONCRETE BARRIER TEMPORARY PRECAST

— DIRECTION OF TRAFFIC

— ASPHALTIC SURFACE TEMPORARY

STAGE 2 GENERAL NOTES:

BEGIN STAGE 2 AT THE COMPLETION OF BRIDGE STRUCTURE B-55-0266, STH 128 SB TEMPORARY WIDENING, STH 128 SB LANES AND RAMP 'C' BYPASS.

REMOVE EXISTING BRIDGE STRUCTURE B-55-0021.

REMOVE EXISTING STH 128.

REMOVE STH 128 NB TEMPORARY WIDENING.

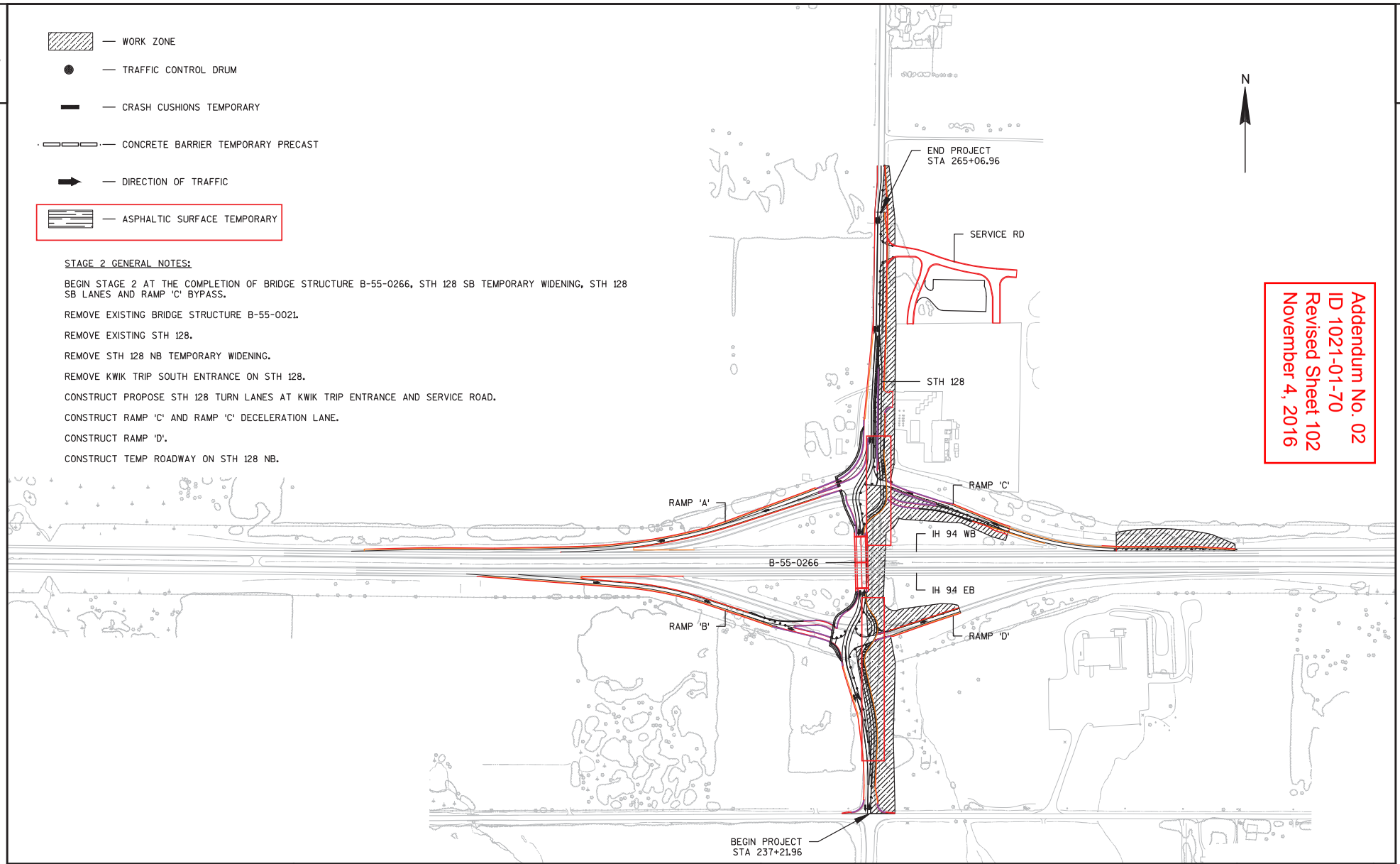
REMOVE KWIK TRIP SOUTH ENTRANCE ON STH 128.

CONSTRUCT PROPOSE STH 128 TURN LANES AT KWIK TRIP ENTRANCE AND SERVICE ROAD.

CONSTRUCT RAMP 'C' AND RAMP 'C' DECELERATION LANE.

CONSTRUCT RAMP 'D'.

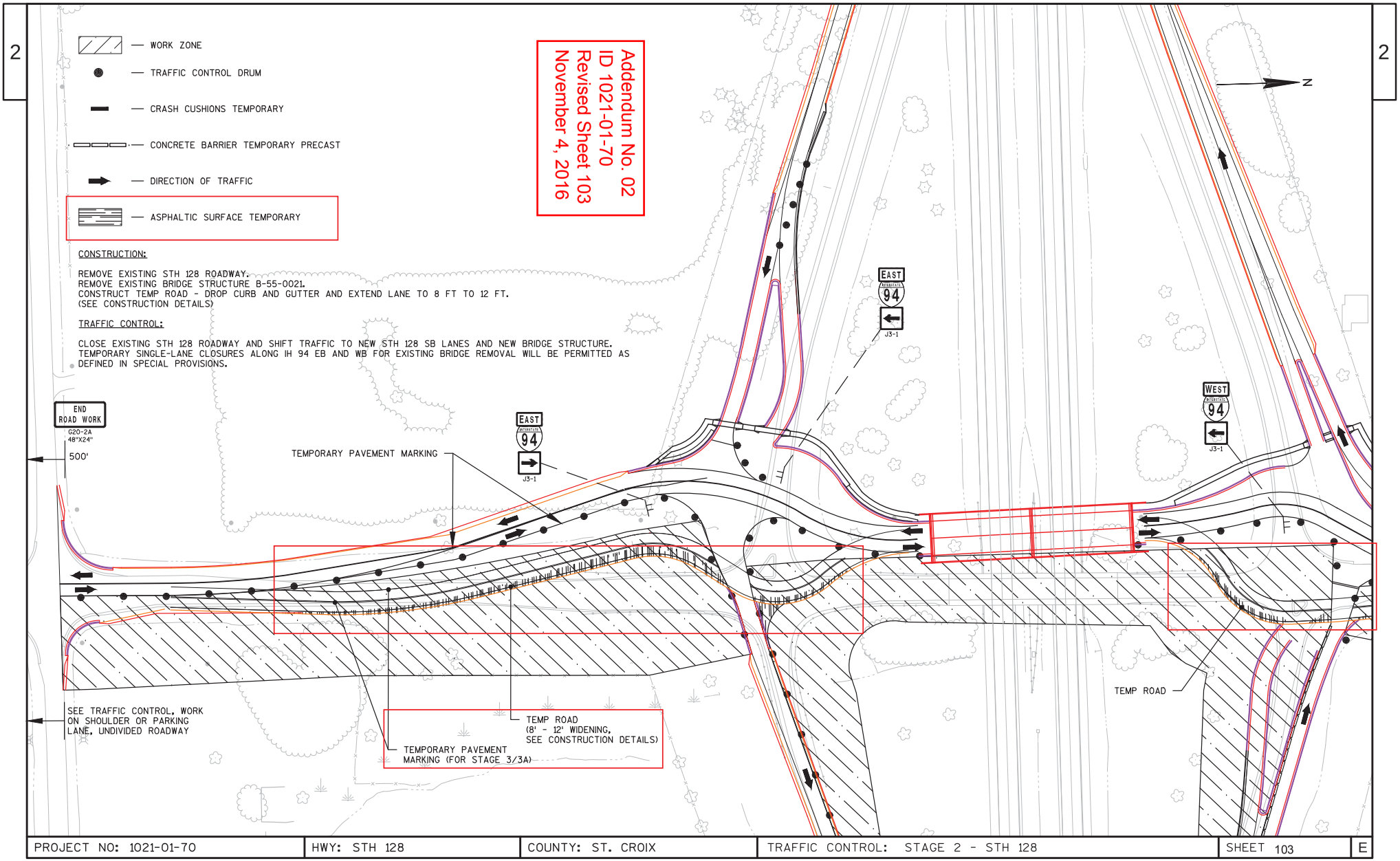
CONSTRUCT TEMP ROADWAY ON STH 128 NB.



Addendum No. 02
ID 1021-01-70
Revised Sheet 102
November 4, 2016

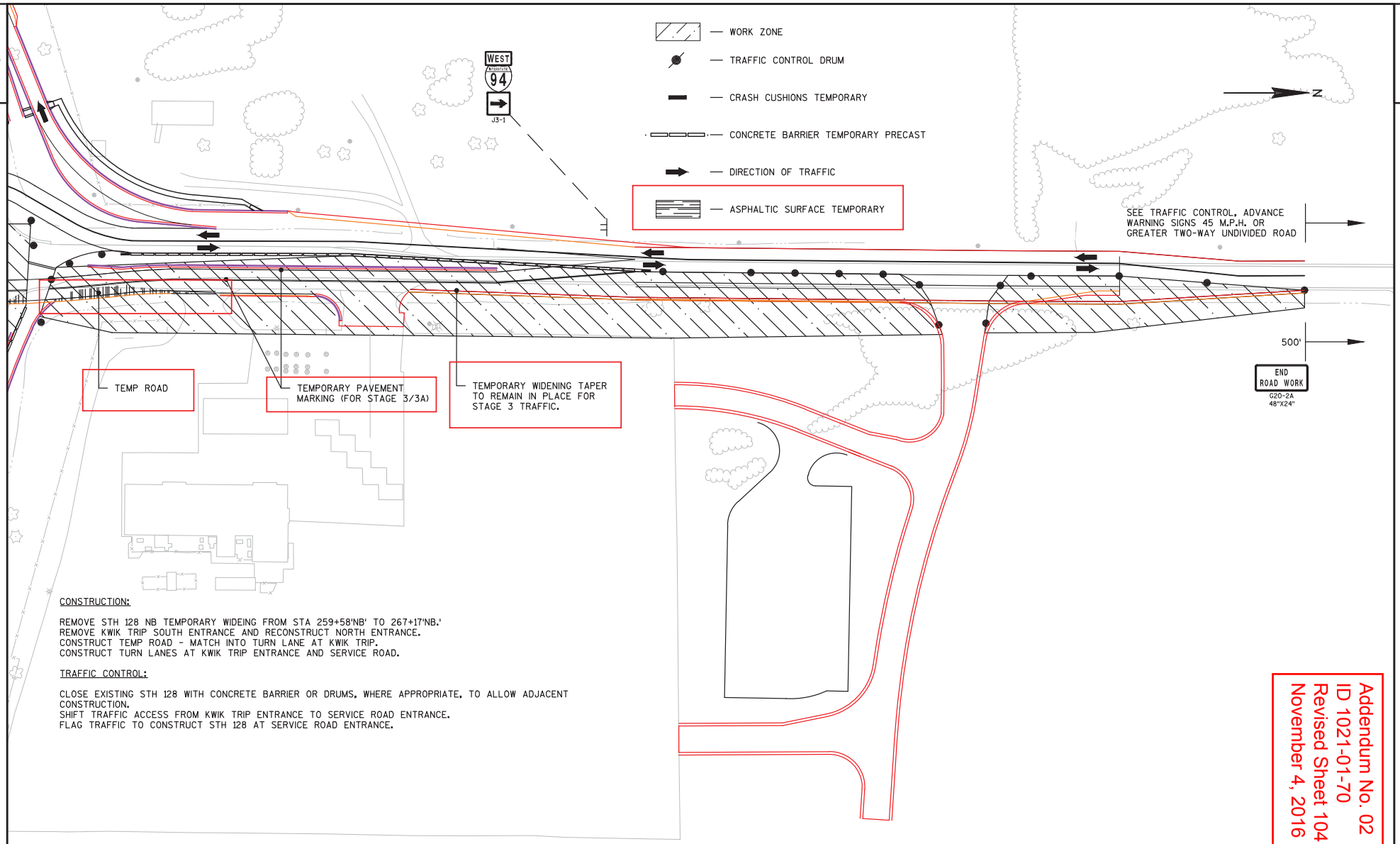
PROJECT NO: 1021-01-70	HWY: IH 94	COUNTY: ST. CROIX	TRAFFIC CONTROL: STAGE 2 OVERVIEW	SHEET 102	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\022103_TC_STH128_10210100.DWG
LAYOUT NAME - ****
PLOT DATE : 11/3/2016 1:51 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:400 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 1021-01-70	HWY: STH 128	COUNTY: ST. CROIX	TRAFFIC CONTROL: STAGE 2 - STH 128	SHEET 103	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\022103_TC_STH128_10210100.DWG
LAYOUT NAME - SHEET - (18)
PLOT DATE : 11/3/2016 1:51 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



CONSTRUCTION:

REMOVE STH 128 NB TEMPORARY WIDEING FROM STA 259+58'NB' TO 267+17'NB.'
REMOVE KWIK TRIP SOUTH ENTRANCE AND RECONSTRUCT NORTH ENTRANCE.
CONSTRUCT TEMP ROAD - MATCH INTO TURN LANE AT KWIK TRIP.
CONSTRUCT TURN LANES AT KWIK TRIP ENTRANCE AND SERVICE ROAD.

TRAFFIC CONTROL:

CLOSE EXISTING STH 128 WITH CONCRETE BARRIER OR DRUMS, WHERE APPROPRIATE, TO ALLOW ADJACENT CONSTRUCTION.
SHIFT TRAFFIC ACCESS FROM KWIK TRIP ENTRANCE TO SERVICE ROAD ENTRANCE.
FLAG TRAFFIC TO CONSTRUCT STH 128 AT SERVICE ROAD ENTRANCE.

Addendum No. 02
ID 1021-01-70
Revised Sheet 104
November 4, 2016

PROJECT NO: 1021-01-70	HWY: STH 128	COUNTY: ST. CROIX	TRAFFIC CONTROL: STAGE 2 - STH 128	SHEET 104	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\022103_TC_STH128_10210100.DWG
LAYOUT NAME - SHEET - (19)
PLOT DATE : 11/3/2016 1:51 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

Addendum No. 02
ID 1021-01-70
Revised Sheet 105
November 4, 2016

2

2

— WORK ZONE

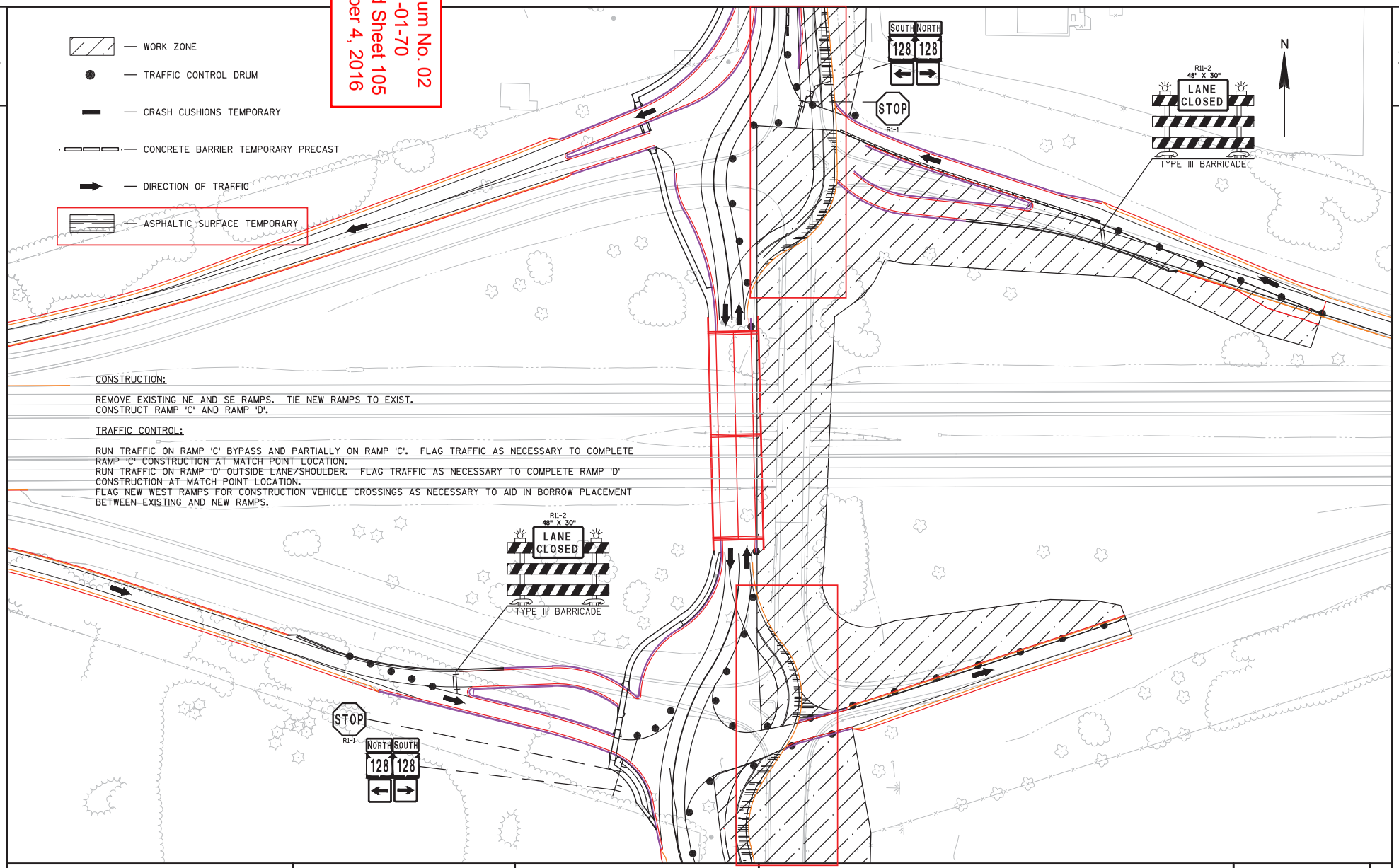
— TRAFFIC CONTROL DRUM

— CRASH CUSHIONS TEMPORARY

— CONCRETE BARRIER TEMPORARY PRECAST

— DIRECTION OF TRAFFIC

— ASPHALTIC SURFACE TEMPORARY



CONSTRUCTION:

REMOVE EXISTING NE AND SE RAMPS. TIE NEW RAMPS TO EXIST.
CONSTRUCT RAMP 'C' AND RAMP 'D'.

TRAFFIC CONTROL:

RUN TRAFFIC ON RAMP 'C' BYPASS AND PARTIALLY ON RAMP 'C'. FLAG TRAFFIC AS NECESSARY TO COMPLETE RAMP 'C' CONSTRUCTION AT MATCH POINT LOCATION.
RUN TRAFFIC ON RAMP 'D' OUTSIDE LANE/SHOULDER. FLAG TRAFFIC AS NECESSARY TO COMPLETE RAMP 'D' CONSTRUCTION AT MATCH POINT LOCATION.
FLAG NEW WEST RAMPS FOR CONSTRUCTION VEHICLE CROSSINGS AS NECESSARY TO AID IN BORROW PLACEMENT BETWEEN EXISTING AND NEW RAMPS.

PROJECT NO: 1021-01-70	HWY: STH 128	COUNTY: ST. CROIX	TRAFFIC CONTROL: STAGE 2 - RAMPS	SHEET 105	E

FILE NAME : N:\PDS\C3D\10210100\DESIGN\PLANS PRODUCTION\022103_TC_STH128_10210100.DWG
LAYOUT NAME - ****
PLOT DATE : 11/3/2016 1:51 PM PLOT BY : THAO, KOU PLOT NAME : PLOT SCALE : 1 IN:100 FT

BREAKER RUN

CATEGORY	STATION	TO	STATION	LOCATION	311.0115 CY	REMARKS
0010	237+36'NB'	-	265+06'NB'	STH 128 NB	518	EBS LOCATIONS
0010	237+28'SB'	-	265+38'SB'	STH 128 SB	333	EBS LOCATIONS
0010	241+00'A'	-	263+00'A'	RAMP A	648	EBS LOCATIONS
0010	262+04'AB'	-	265+48'AB'	RAMP A Byp	550	EBS LOCATIONS
0010	245+00'B'	-	263+00'B'	RAMP B	610	EBS LOCATIONS
0010	264+08'D'	-	267+99'D'	RAMP D	120	EBS LOCATIONS
				TOTAL 0010	2779	

CONCRETE PAVEMENT APPROACH SLAB HES

CATEGORY	STATION	TO	STATION	LOCATION	415.1410 SY	REMARKS
0010	247+53'NB'	-	247+68'NB'	STH 128	64	SOUTH APPROACH
0010	250+07'NB'	-	250+22'NB'	STH 128	64	NORTH APPROACH
				TOTAL 0010	128	

COLORING CONCRETE RED

CATEGORY	STATION	TO	STATION	LOCATION	405.0100 CY	REMARKS
0010	5+00'RN'	-	10+50'RN'	ROUNDABOUT NORTH	235	19' APRON
0010	5+00'RS'	-	10+50'RS'	ROUNDABOUT SOUTH	235	19' APRON
0010	244+07'NB'	-	245+60'NB'	STH 128 NB	39	6.5' APRON
0010	250+46'NB'	-	251+33'NB'	STH 128 NB	13	4.5' APRON
0010	252+75'NB'	-	253+57'NB'	STH 128 NB	15	4.5' APRON
0010	244+51'SB'	-	245+17'SB'	STH 128 SB	13	4.5' APRON
0010	246+54'SB'	-	247+57'SB'	STH 128 SB	16	4.5' APRON
0010	246+77'NB'	-	247+20'NB'	STH 128	13	MEDIAN SIDEWALK
0010	250+56'NB'	-	250+98'NB'	STH 128	13	MEDIAN SIDEWALK
				TOTAL 0010	592	

CONCRETE ROUNDABOUT TRUCK APRON 12-INCH

CATEGORY	STATION	TO	STATION	LOCATION	416.0512 SY	REMARKS
0010	5+00'RN'	-	10+50'RN'	ROUNDABOUT NORTH	703	19'
0010	5+00'RS'	-	10+50'RS'	ROUNDABOUT SOUTH	703	19'
0010	244+07'NB'	-	245+60'NB'	STH 128 NB	116	6.5'
0010	250+46'NB'	-	251+33'NB'	STH 128 NB	38	4.5'
0010	252+75'NB'	-	253+57'NB'	STH 128 NB	44	4.5'
0010	244+51'SB'	-	245+17'SB'	STH 128 SB	38	4.5'
0010	246+54'SB'	-	247+57'SB'	STH 128 SB	48	4.5'
				TOTAL 0010	1690	

INCENTIVE IRI RIDE

CATEGORY	STATION	TO	STATION	LOCATION	440.4410 DOL	REMARKS
0010	237+22'NB'	-	265+07'NB'	STH 128	2110	
				TOTAL 0010	2110	

Addendum No. 02
ID 1021-01-70
Revised Sheet 141
November 4, 2016

Proposal ID: 20161108016 **Project(s):** 1021-01-70

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0170	213.0100 Finishing Roadway (project) 01. 1021-01-70	1.000 EACH	_____.____	_____.____
0180	305.0110 Base Aggregate Dense 3/4-Inch	3,300.000 TON	_____.____	_____.____
0190	305.0120 Base Aggregate Dense 1 1/4-Inch	36,565.000 TON	_____.____	_____.____
0200	311.0115 Breaker Run	2,779.000 CY	_____.____	_____.____
0210	312.0115 Select Crushed Material	19,324.000 CY	_____.____	_____.____
0220	405.0100 Coloring Concrete WisDOT Red	592.000 CY	_____.____	_____.____
0230	415.1410 Concrete Pavement Approach Slab HES	128.000 SY	_____.____	_____.____
0240	416.0512 Concrete Truck Apron 12-Inch	1,690.000 SY	_____.____	_____.____
0250	440.4410 Incentive IRI Ride	2,110.000 DOL	1.00000	2,110.00
0260	450.4000 HMA Cold Weather Paving	18,525.000 TON	_____.____	_____.____
0270	455.0605 Tack Coat	3,100.000 GAL	_____.____	_____.____
0280	460.2000 Incentive Density HMA Pavement	11,860.000 DOL	1.00000	11,860.00
0290	465.0120 Asphaltic Surface Driveways and Field Entrances	28.000 TON	_____.____	_____.____
0300	465.0125 Asphaltic Surface Temporary	1,590.000 TON	_____.____	_____.____
0310	465.0315 Asphaltic Flumes	175.000 SY	_____.____	_____.____
0320	465.0400 Asphaltic Shoulder Rumble Strips	1,640.000 LF	_____.____	_____.____
0330	501.1000.S Ice Hot Weather Concreting	6,135.000 LB	_____.____	_____.____

Proposal ID: 20161108016 **Project(s):** 1021-01-70

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
1930	662.3037.S Ramp Closure Gate Arms Stockpile 37-FT	1.000 EACH	_____._____	_____._____
1940	662.3040.S Ramp Closure Gate Arms Stockpile 40-FT	1.000 EACH	_____._____	_____._____
1950	662.4000.S Ramp Closure Gate Flashers Stockpile	3.000 EACH	_____._____	_____._____
1960	690.0150 Sawing Asphalt	6,410.000 LF	_____._____	_____._____
1970	715.0502 Incentive Strength Concrete Structures	4,908.000 DOL	1.00000	4,908.00
1980	ASP.1T0A On-the-Job Training Apprentice at $5.00/HR	2,500.000 HRS	5.00000	12,500.00
1990	ASP.1T0G On-the-Job Training Graduate at $5.00/HR	1,440.000 HRS	5.00000	7,200.00
2000	SPV.0045 Special 01. Portable Changeable Message Sign (PCMS) Cellular Communications	900.000 DAY	_____._____	_____._____
2010	SPV.0090 Special 01. Concrete Curb and Gutter Cure and Seal Treatment	8,630.000 LF	_____._____	_____._____
2020	SPV.0090 Special 02. Fence Chain Link Polymer-Coated 6-Ft	538.000 LF	_____._____	_____._____
2030	SPV.0165 Special 01. Concrete Sidewalk Cure and Seal Treatment	46,925.000 SF	_____._____	_____._____
2040	SPV.0165 Special 02. Concrete Median Sloped Nose Cure and Seal Treatment	490.000 SF	_____._____	_____._____
2070	520.3512 Culvert Pipe Class III-B 12-Inch	44.000 LF	_____._____	_____._____
2080	520.3515 Culvert Pipe Class III-B 15-Inch	120.000 LF	_____._____	_____._____

Proposal ID: 20161108016 **Project(s):** 1021-01-70

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
2090	520.3518 Culvert Pipe Class III-B 18-Inch	242.000 LF	_____.____	_____.____
2100	520.3524 Culvert Pipe Class III-B 24-Inch	354.000 LF	_____.____	_____.____
2110	520.3530 Culvert Pipe Class III-B 30-Inch	32.000 LF	_____.____	_____.____
2120	608.3612 Storm Sewer Pipe Class III-B 12-Inch	1,213.000 LF	_____.____	_____.____
2130	608.3615 Storm Sewer Pipe Class III-B 15-Inch	52.000 LF	_____.____	_____.____
2140	520.1012 Apron Endwalls for Culvert Pipe 12-Inch	16.000 EACH	_____.____	_____.____
2150	520.1015 Apron Endwalls for Culvert Pipe 15-Inch	3.000 EACH	_____.____	_____.____
2160	520.1018 Apron Endwalls for Culvert Pipe 18-Inch	8.000 EACH	_____.____	_____.____
2170	520.1024 Apron Endwalls for Culvert Pipe 24-Inch	10.000 EACH	_____.____	_____.____
2180	520.1030 Apron Endwalls for Culvert Pipe 30-Inch	1.000 EACH	_____.____	_____.____
2190	SPV.0090 Special 03. Bore and Jack Culvert Pipe Reinforced Concrete Class IV 36-Inch	118.000 LF	_____.____	_____.____
2200	SPV.0195 Special 03. HMA Pavement 3 HT 58-34 V 3.0% Va Regression Special	13,045.000 TON	_____.____	_____.____
2210	SPV.0195 Special HMA Pavement 4 HT 58-34 V 3.0% Va Regression Special	5,480.000 TON	_____.____	_____.____

Section: 0001 **Total:** _____.____

Total Bid: _____.____