#### 09-18-2020 LETTING ITEM 021

- 1. COVER SHEET
- 2. GENERAL NOTES
- 3. SUMMARY OF QUANTITIES

**STANDARDS** 

000001-07 001001-02

701001-02

701006-05

701201-05

701206-05

701301-04

701316-13

701901-08

001006

**INDEX OF SHEETS** 

- . TYPICAL SECTION
- 5. GENERAL PLAN AND ELEVATION STRUCTURE NO. 050-2539

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY

LANE CLOSURE. 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH

LANE CLOSURE, 2L, 2W, NIGHT ONLY, FOR SPEEDS ≥ 45 MPH

LANE CLOSURE, 2L, 2W, BRIDGE REPAIR, FOR SPEEDS ≥ 45 MPH

OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM

6. STRUCTURE NO. 050-2539 REMOVAL DETAILS

AREAS OF REINFORCEMENT BARS

TRAFFIC CONTROL DEVICES

DECIMAL OF AN INCH AND OF A FOOT

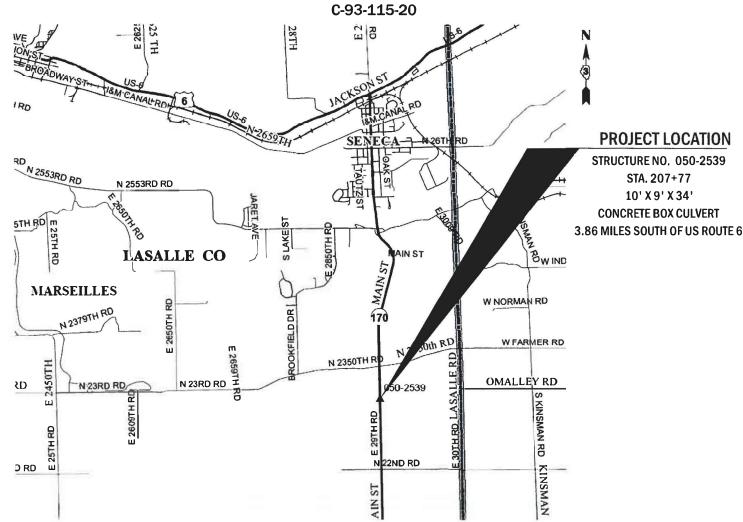
- 7. STRUCTURE NO. 050-2539 CONSTRUCTION DETAILS
- 8. TEMPORARY INFORMATION SIGNING
- 9. EXISTING STRUCTURE PLANS, FOR INFORMATION ONLY

# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

# PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 786 (IL 170)
SECTION (110)CLV
BOX CULVERT REPAIR
LASALLE COUNTY

ASALLE GOUI



#### D-93-080-20



#### **FUNCTIONAL CLASSIFICATION**

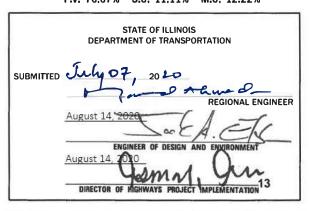
RURAL

MINOR ARTERIAL

F.A.P. ROUTE 786 (IL 170)

2019 ADT - 2250

P.V. 76.67% S.U. 11.11% M.U. 12.22%



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

# 0 100' 200' 300' — 1''= 100' 0 50' 100' 1''= 50' 0 50' 100' 1''= 40' 0 50' 100' - 1''= 30'

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: JOE KANNEL, P.E. UNIT CHIEF: RON WOODSHANK DISTRICT 3 NO. (815) 434-6131 DAY LABOR NO. 66L27

#### **GENERAL NOTES**

FOR STABILIZATION, ALL TYPE III BARRICADES WILL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES ( 100 MILLIMETERS) IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF RELATED CONSTRUCTION WORK.

ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

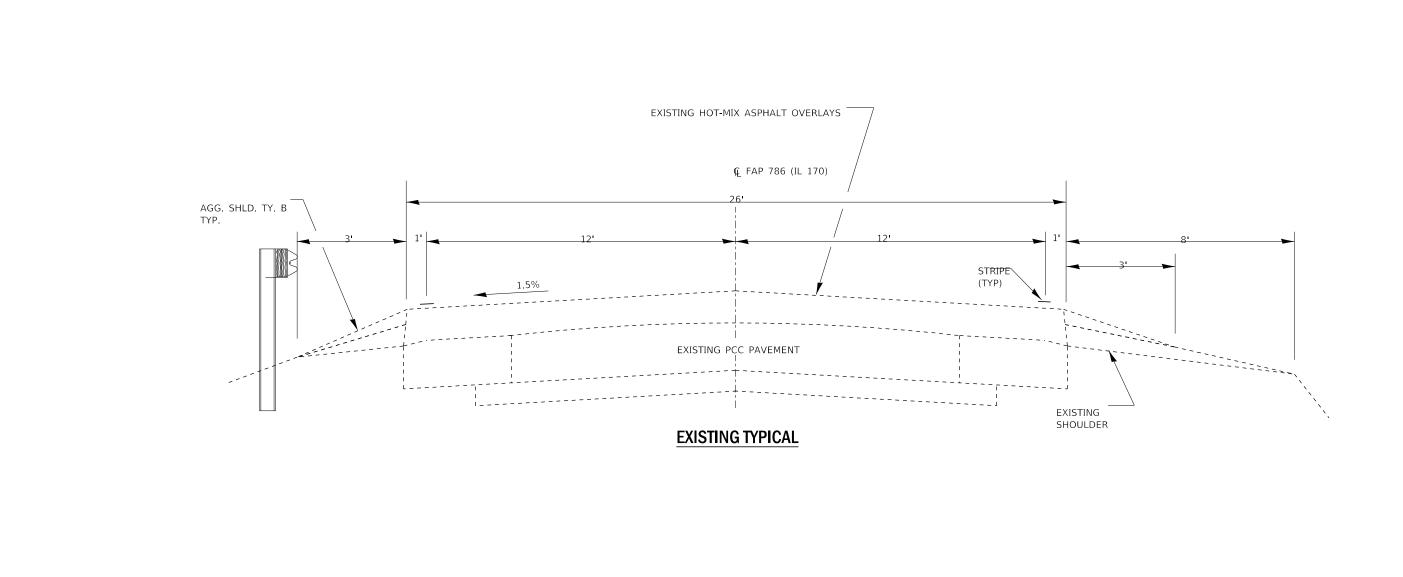
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

	SUPERVISING CONSTRUCTION FIELD ENGINEER	DATE:	
	RESIDENT ENGINEER / TECHNICIAN	PREPARED BY: —	DISTRICT STUDIES & PLANS ENGINEER
START & END DATES OF CONSTRUCTION:		EXAMINED BY:	DISTRICT CONSTRUCTION ENGINEER
INSPECTORS:		_	DISTRICT MATERIALS ENGINEER
		_	DISTRICT OPERATIONS ENGINEER

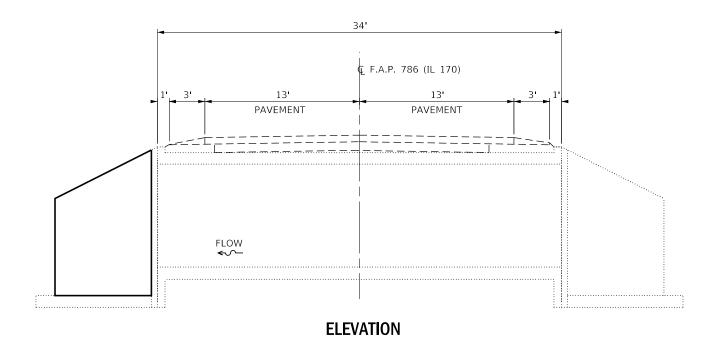
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	PLOT SCALE = 100.0000 '/ in.	CHECKED - RW	REVISED -	DEPARTMENT OF TRANSPORTATION					,	CONTRACT	T NO. 66L27
Default	PLOT DATE = 8/14/2020	DATE - 5/22/2020	REVISED -		SCALE:	SHEET 1 OF 1 SHEETS STA.	TO STA.		ILLINOIS FED. AL	) PROJECT	

				CONSTRUCTION CODE
				CONTRACT MAINTENANCE
				100% STATE
				BOX CULVERT
CODE			TOTAL	0013
NO.	ITEM	UNIT	QUANTITY	050-2539
48101200	AGGREGATE SHOULDERS, TYPE B	TON	20	20
50102400	CONCRETE REMOVAL	CU YD	9.1	9.1
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	652	652
54003000	CONCRETE BOX CULVERTS	CU YD	11	11
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1940	1940
63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	100	100
67100100	MOBILIZATION	L SUM	1	1
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42

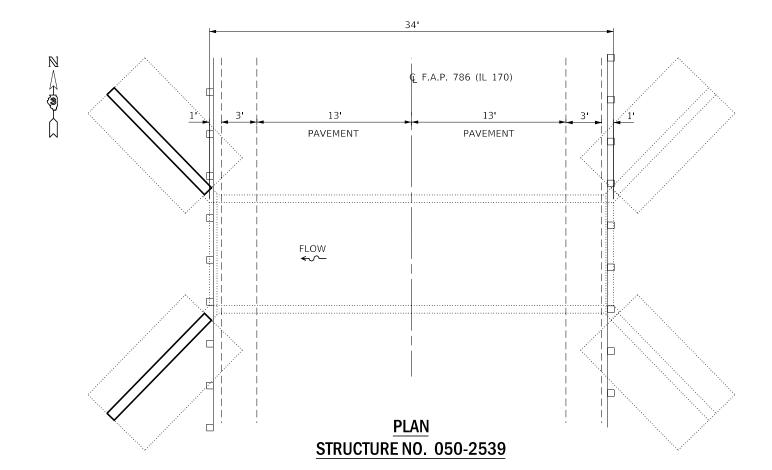
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DIMENSION AT RT. 4's TO Q ROADWAY





8/16/2020

SCALE:

#### GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 706 GR 60.

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.

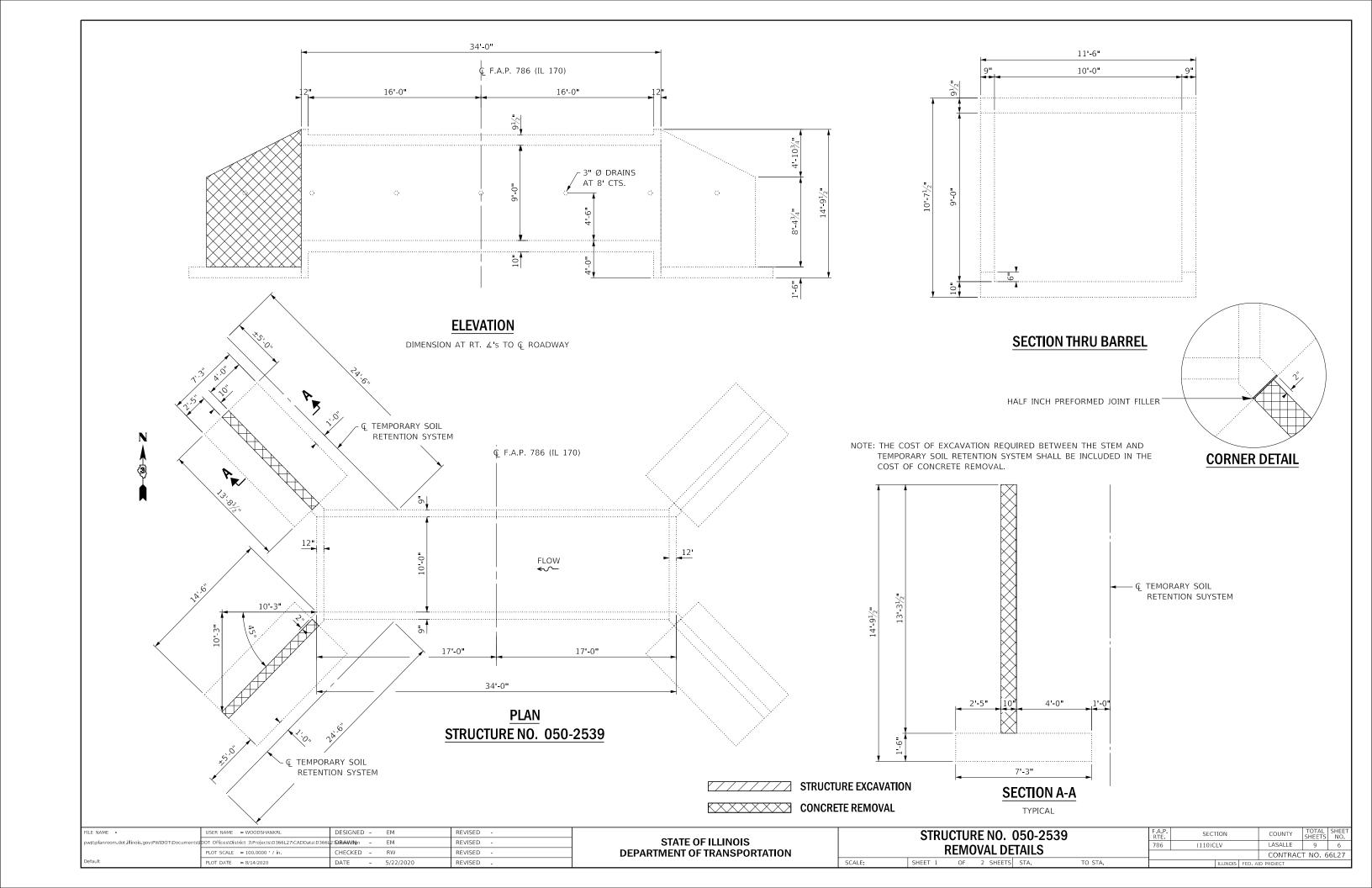
### TOTAL BILL OF MATERIAL

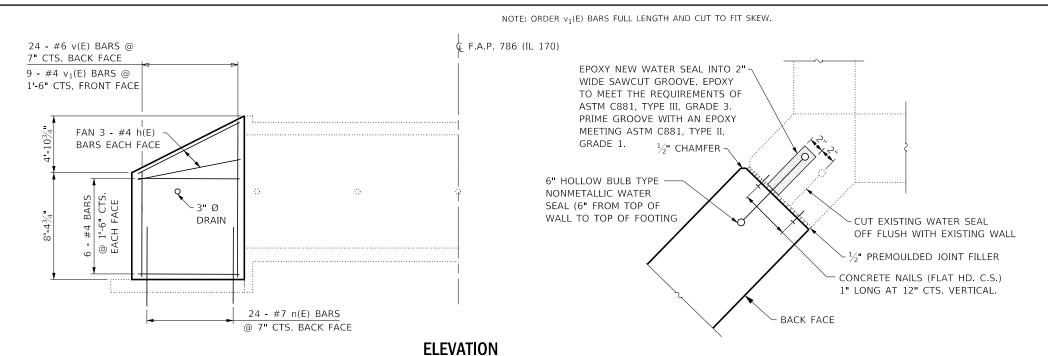
ITEM	UNIT	TOTAL
TEMPORARY SOIL RETENTION SYSTEM	SQ. FT.	652
CONCRETE REMOVAL	CU. YD.	9.1
CONCRETE BOX CULVERTS	CU YD	11
REINFORCEMENT BARS, EPOXY COATED	POUND	1940

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

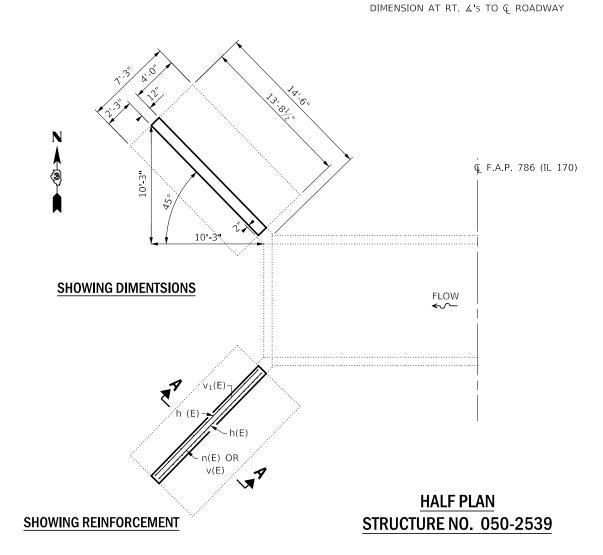
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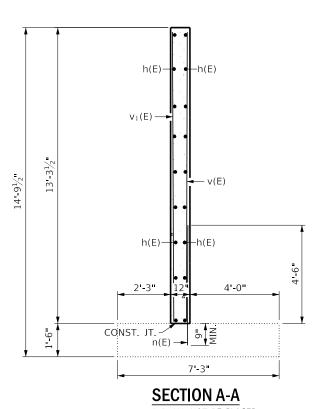




# CORNER DETAIL

COST OF FURNISHING AND INSTALLING THE BULB TYPE WATERSEAL (INCLUDING GROOVING EXISTING CONCRETE HEADWALL, BULB WATERSEAL, NAILS AND PREMOLDED JOINT FILLER) SHALL BE INLCUDED IN THE COST OF "CONCRETE BOX CULVERTS".





BAR

h(E)

n(E)

v (E)

∨1(E)

NO.

36

48

48

18

CONCRETE BOX CULVERTS

CONCRETE REMOVAL

EPOXY COATED
TEMPORARY SOIL

RETENTION SYSTEM

REINFORCEMENT BARS

**BILL OF MATERIAL** 

LENGTH

13'-6"

5'-3"

13'-0"

13'-0"

CU. YD.

CU. YD.

POUND

SQ. FT.

SHAPE

9.1

11

1940

652

SIZE

#4

#7

#6

#4

584 OF THE STANDARD SPECIFICATIONS. NOTE: THE  $v_1(E)$  BARS SHALL BE ORDERED FULL LENGTH AND CUT TO FIT SKEW.

v(E) BARS WILL BE DRILLED AND GROUTED ACCORDING TO SECTION

SCALE:

\* V BARS SHALL NOT BE PLACED MORE THAN 1½" CL. FROM BACK FACE OF WINGWALL.

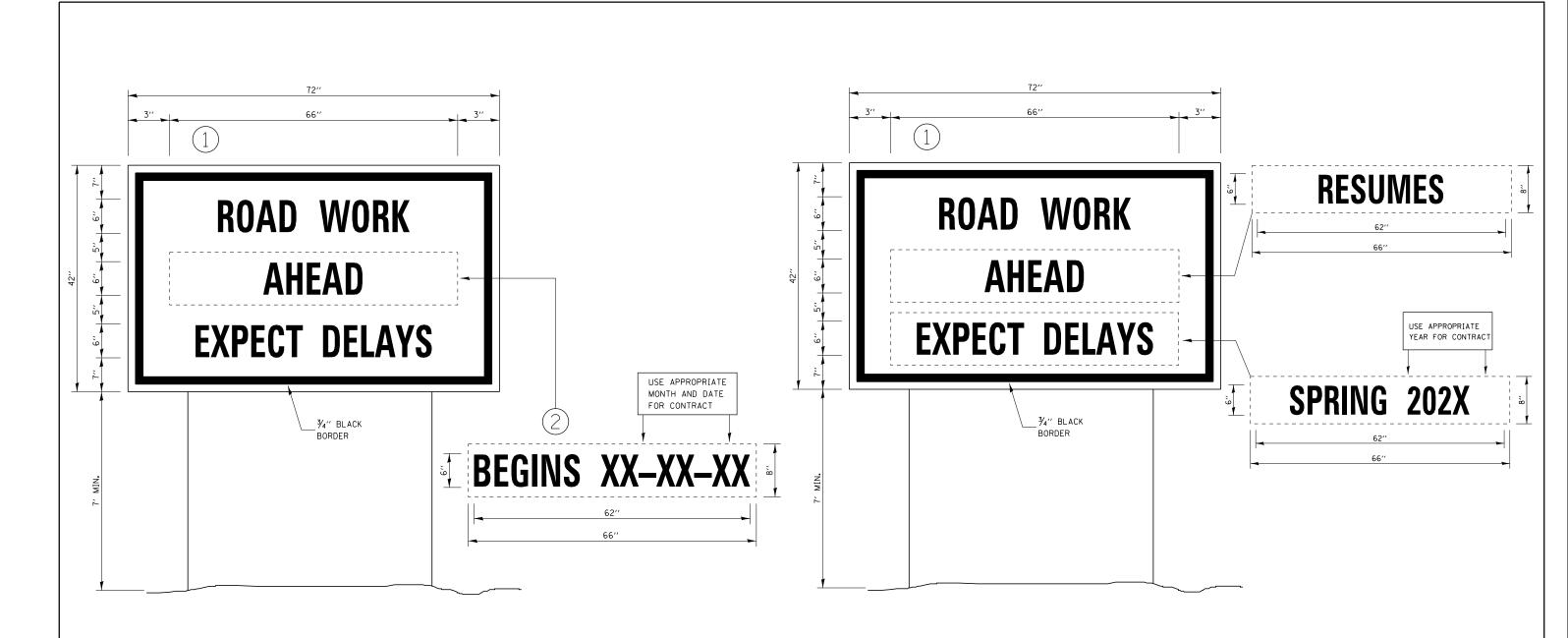
\*\* DRILL AND GROUT n(E) BARS A MINIMUM OF 9" INTO EXISTING CONCRETE FOOTING ACCORDING TO SECTION 584 OF THE STANDARD SPECIFICATIONS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRU	CTU	RE NO. (	050-2	539	F.A.P. RTE	
CON	ICTD	UCTION	DETA	II <b>S</b>	786	
COIN	1011N	OCHON	DLIA	ILO .		
HEET 2	OF	2 SHEETS	STA.	TO STA.		_

A.P. RTE	SECT	ΓΙΟΝ		COUNTY	TOTAL SHEETS	SHEET NO.	
786	(110)CLV		LASALLE	9	7		
			CONTRACT NO. 66L27				



## TEMPORARY INFORMATION SIGNING

## WINTER SHUT DOWN SIGNING

#### NOTES:

- 1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
- ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
- 3. ERECT SIGN () WITH INSTALLED PANEL (2) A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
- 4. REMOVE PANEL 2 ON THAT DATE.
- 5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
- 6. WILL BE PAID FOR PER SO FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SO FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

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												•	CONTRACT NO. 66L27		
	Default	PLOT DATE = 8/14/2020	DATE -	5/22/2020			SCALE:	SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.					ILLINOIS FED. A	ILLINOIS FED. AID PROJECT	

