

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

# PROPOSED HIGHWAY PLANS

FAS ROUTE 508 & FAU 7015 (1200 N RD)  
SECTION (40)Q

BIT SURFACE TREATMENT-A1  
VERMILION COUNTY

C-95-025-16  
CATLIN RD TO E OF TR306

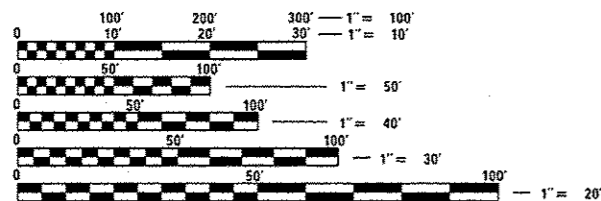
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(40)Q	VERMILION	5	1
		ILLINOIS	CONTRACT NO. 70B86	

\* F.A.S. ROUTE 508 & F.A.U. ROUTE 7015

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 3

CURRENT TRAFFIC DATA	
2016 ADT	850
P.U. %	91.5
S.U. %	6.8
M.U. %	1.7

DESIGN DESIGNATION
N/A



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.

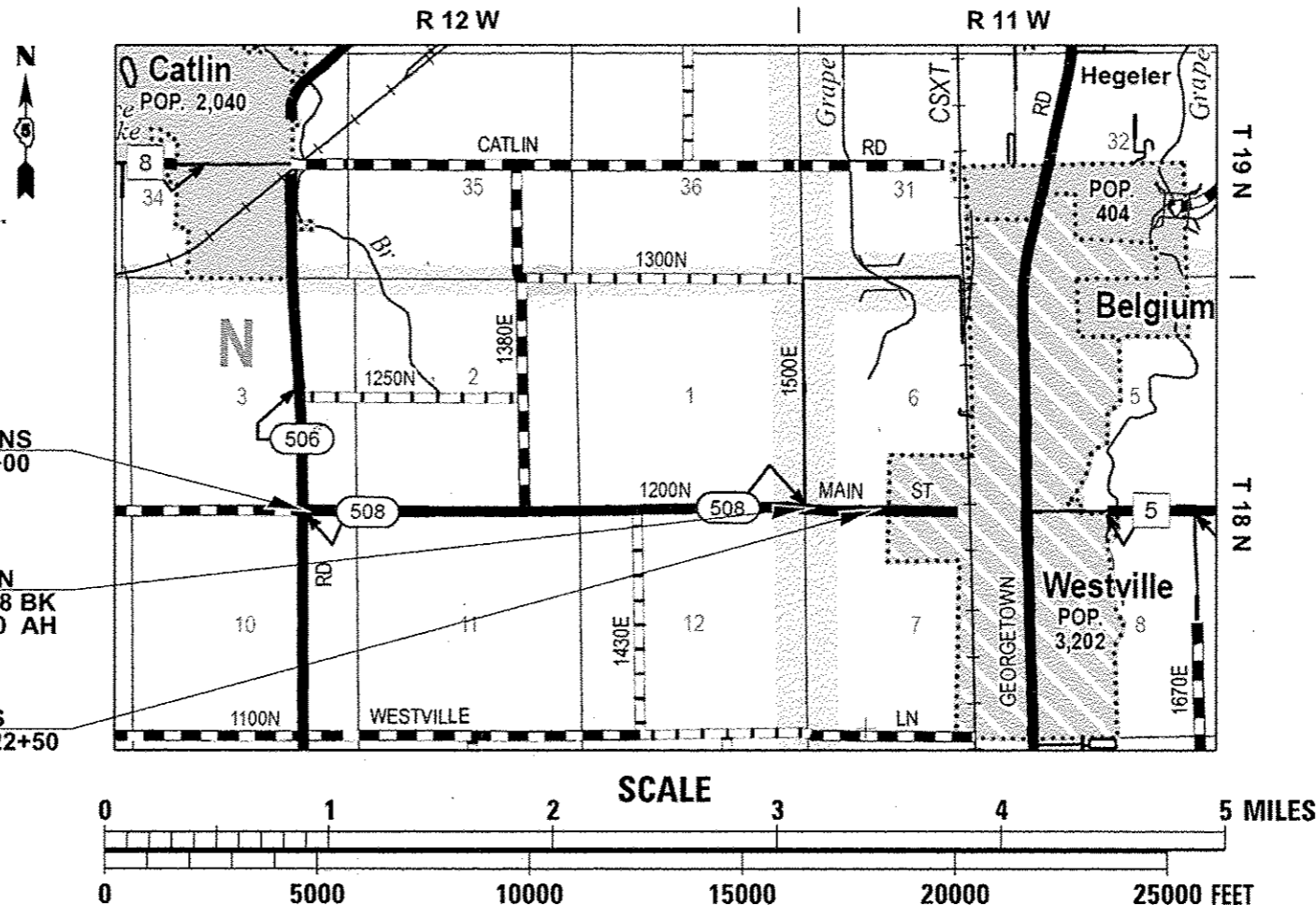
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123 (CATLIN & GEORGETOWN TOWNSHIPS)  
OR 811

PROJECT ENGINEER: NANCY FASIG  
SQUAD LEADER: BRIAN J. HOGAN  
DESIGNER: ANDREW BERGAN  
(217) 465-4181  
CONTRACT NO. 70B86

PROJECT BEGINS  
FAS 508 STA 0+00

STATION EQUATION  
FAS 508 STA 118+78 BK  
FAU 7015 STA 0+00 AH

PROJECT ENDS  
FAU 7015 STA 22+50



GROSS LENGTH = 14,128.00 FT. = 2.676 MILE  
NET LENGTH = 14,128.00 FT. = 2.676 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED MARCH 18, 2016  
Kenneth A. Samuelt  
REGION THREE ENGINEER

Mary Jo Addis  
ENGINEER OF DESIGN AND ENVIRONMENT

Omer Samuelt  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

## INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS
2	HIGHWAY STANDARDS
2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5	SCHEDULE OF QUANTITIES

## HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-05	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

## GENERAL NOTES

G.N.-100  
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-100A  
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G.N.-403 SPL  
BITUMINOUS SURFACE TREATMENTS: GRADATION CA-16 (MID SPEC.) IS ASSUMED FOR SEAL COATS. THE AGGREGATE SHALL BE EITHER CRUSHED GRAVEL OR CARBONATE CRUSHED STONE AND SHALL BE CLASS C QUALITY OR BETTER. THE RESULTING TARGET APPLICATION RATES ARE AS FOLLOWS:

TYPE OF CONSTRUCTION	BITUMINOUS MATERIAL	APPLICATION RATE	AGGREGATE	APPLICATION RATE
PRIME COAT (HARD SURFACE)	SS1HP or CSS1HP	0.05 LB/SQ FT	FA-1 or FA-2	3 LB/SQ YD
A-1	HFP or CRSP	0.35 GAL/SQ YD	CA-16	19 LB/SQ YD

NOTE: THE ENGINEER RESERVES THE RIGHT TO ADJUST THE TARGET APPLICATION RATES AND THE QUANTITIES.

NO COMMITMENTS

• F.A.S. ROUTE 508 & F.A.U. ROUTE 7015

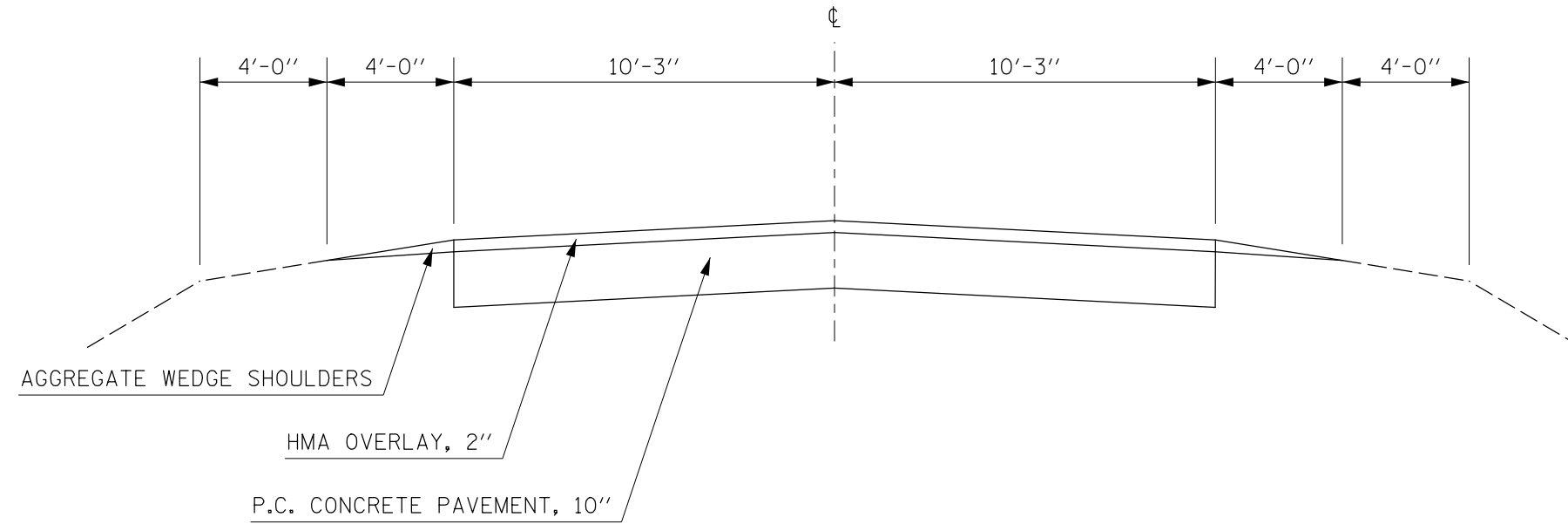
FILE NAME =	USER NAME = berganej	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, GENERAL NOTES &amp; HIGHWAY STANDARDS</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBI\INTEG\illinois.gov\PI00T\00	umanta\100T\Office\District 5\Projects\057	DRAWN	REVISED			•	(40)0	VERMILION	5	2
#MODELNAME#	PLOT SCALE = 42,0000 1/4 in.	CHECKED -	REVISED -		SCALE:					
	PLOT DATE = 3/9/2016	DATE -	REVISED -		SHEET 1 OF 1 SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT CONTRACT NO. 70B86	



## EXISTING TYPICAL SECTION F.A.S. 508 & F.A.U. 7015 ①

STATION      TO      STATION  
 0+00.00           118+78.00 (BK)  
 (AH) 0+00.00           22+50.00

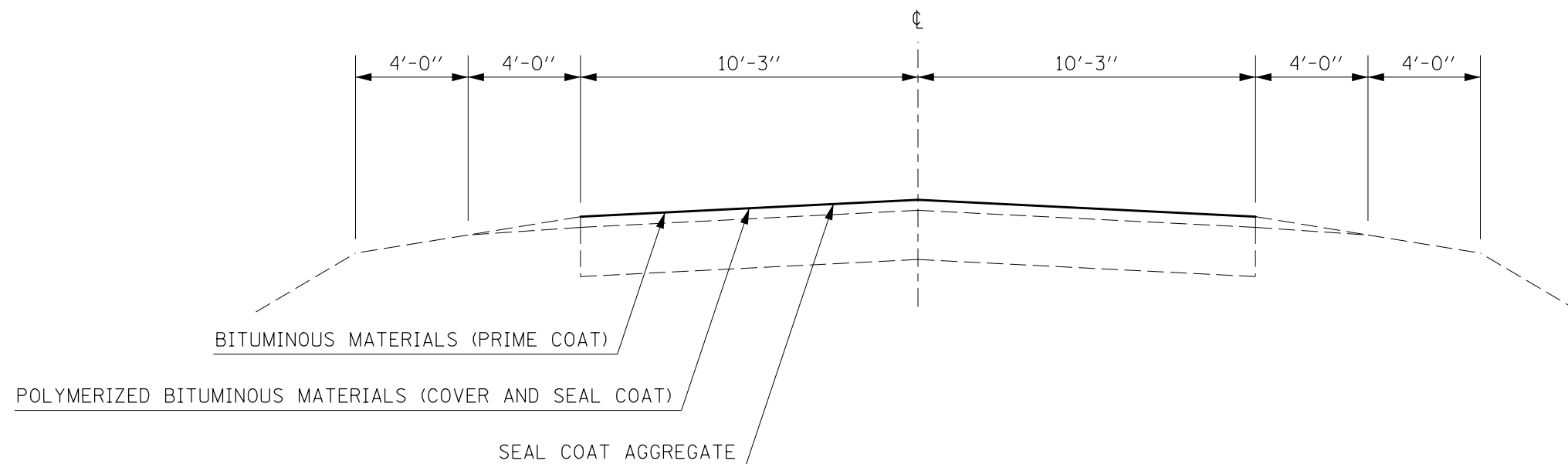
STATION EQUATION: 118+78 (BK) = 0+00 (AH)



## PROPOSED TYPICAL SECTION F.A.S. 508 & F.A.U. 7015 ①

STATION      TO      STATION  
 0+00.00           118+78.00 (BK)  
 (AH) 0+00.00           22+50.00

STATION EQUATION: 118+78 (BK) = 0+00 (AH)



• F.A.S. ROUTE 508 & F.A.U. ROUTE 7015

FILE NAME =	USER NAME = bergenej	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 5\Projects\0572886\Drawings\Design\0572886 - Typicals.dgn		DRAWN -	REVISED -		SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.	(400)	VERMILION	5	4
#MODELNAME#	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 70B86				
	PLOT DATE = 3/9/2016	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

# SCHEDULE OF QUANTITIES

## BITUMINOUS SURFACE TREATMENT

LOCATION	COUNTY	STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ FT)	AREA (SQ YD)	BITUMINOUS MATERIALS PRIME COAT RATE (LBS/SQ FT)	BITUMINOUS MATERIALS (COVER AND SEAL COAT) RATE (GAL/SQ YD)	SEAL COAT AGGREGATE RATE (LBS/SQ YD)	* BITUMINOUS MATERIALS (PRIME COAT) 40300200 (TON)	** POLYMERIZED BITUMINOUS MATERIALS (COVER AND SEAL COAT) 40300405 (TON)	SEAL COAT AGGREGATE 40300600 (TON)
FAS 508														
FAS 508	VERMILION	0+00.00		118+78.00	11,878.00	20.5	243,499.0	27,055.4	0.05	0.35	19.0	6.7	40.3	257.0
FAU 7015														
FAU 7015	VERMILION	0+00.00		22+50.00	2,250.00	20.5	46,125.0	5,125.0	0.05	0.35	19.0	1.3	7.6	48.7
FAS 508 TOTAL:												6.7	40.3	257.0
FAS 508 ROUNDED:												7.0	50.0	260.0
FAU 7015 TOTAL:												1.3	7.6	48.7
FAU 7015 ROUNDED:												2.0	10.0	50.0
GRAND TOTAL:												9.0	60.0	310.0

\*INCLUDES 1 FT OF OVERSPRAY ON EACH SIDE OF THE ROADWAY  
 \*\*WEIGHT CONVERSION: 235 GALLONS/TON

## PAVEMENT MARKING

LOCATION	COUNTY	STATION	TO	STATION	LENGTH (FOOT)	*** STRIPE LAYOUT	STRIPE WIDTH (INCH)	YELLOW PAINT PAVEMENT MARKING - LINE, 4" 78001110 (FOOT)	WHITE PAINT PAVEMENT MARKING - LINE, 4" 78001110 (FOOT)
FAS 508									
FAS 508	VERMILION	0+00.00		16+50.00	1,650.00	SD	4.0	412.5	3,300.0
FAS 508	VERMILION	16+50.00		21+75.00	525.00	SD & NP	4.0	656.3	1,050.0
FAS 508	VERMILION	21+75.00		22+50.00	75.00	SD	4.0	18.8	150.0
FAS 508	VERMILION	22+50.00		27+75.00	525.00	SD & NP	4.0	656.3	1,050.0
FAS 508	VERMILION	27+75.00		118+78.00	9,103.00	SD	4.0	2,275.8	18,206.0
FAU 7015									
FAU 7015	VERMILION	0+00.00		22+50.00	2,250.00	SD	4.0	562.5	4,500.0
FAS 508 TOTAL:								27,775.7	
FAS 508 ROUNDED:								27,780.0	
FAU 7015 TOTAL:								5,062.5	
FAU 7015 ROUNDED:								5,070.0	
GRAND TOTAL:								32,850.0	

\*\*\*SD=SKIP DASH; SD & NP=SKIP DASH WITH NO PASSING ZONE

\* F.A.S. ROUTE 508 & F.A.U. ROUTE 7015