

04-25-2025 LETTING ITEM 156

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	21-00229-00-RS	LIVINGSTON	16	1
		ILLINOIS	CONTRACT NO. 87862	

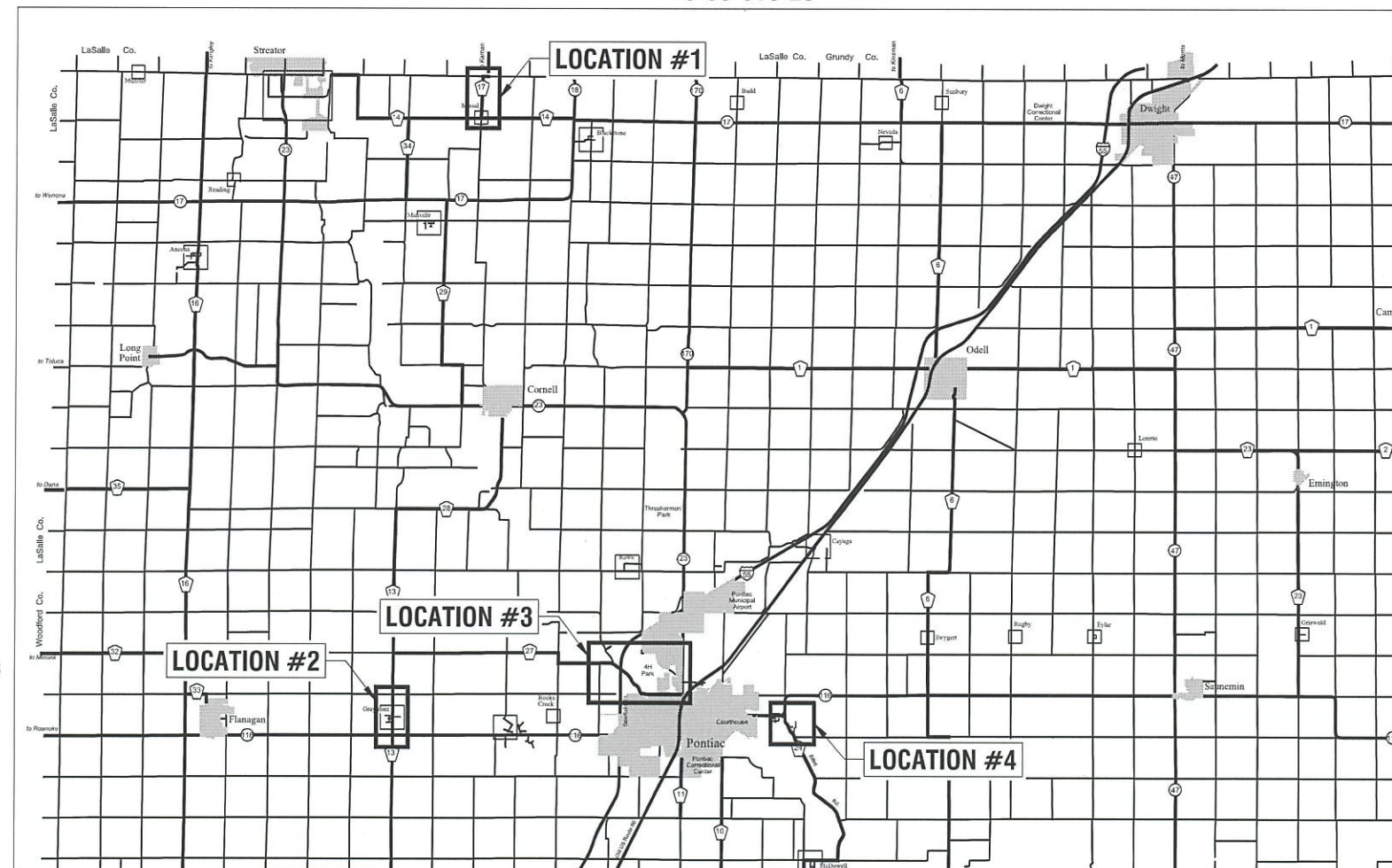
INDEX OF SHEETS

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PLANS FOR PROPOSED
FEDERAL AID HIGHWAY
SURFACE TRANSPORTATION PROGRAM
ROADWAY RESURFACING

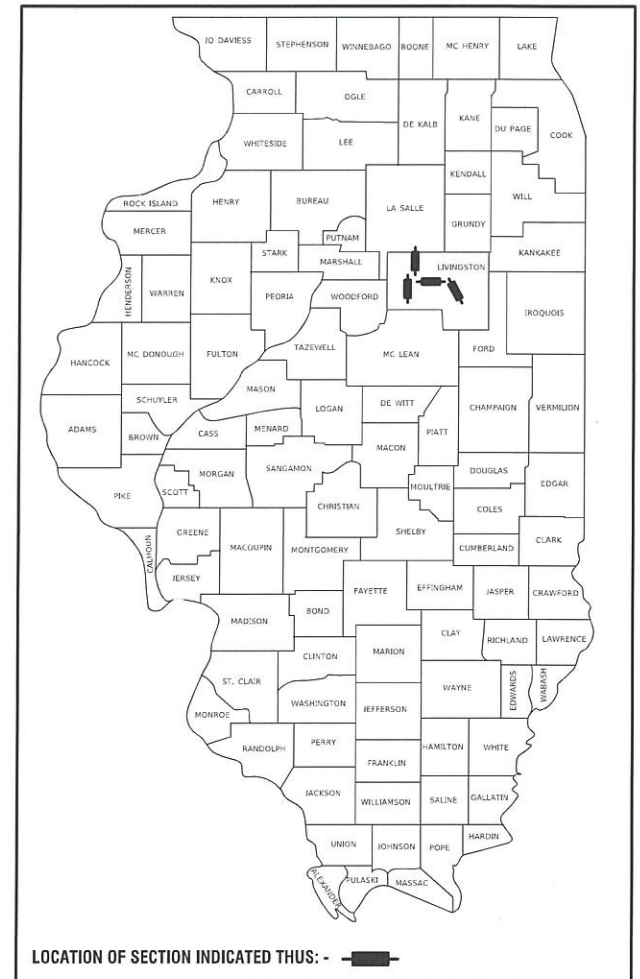
VARIOUS ROUTES
SECTION 21-00229-00-RS
PROJECT 6F7S(291)
LIVINGSTON COUNTY

C-93-016-25



SEE SHEET NO. 2 FOR MORE DETAILED MAP OF EACH LOCATION

GROSS LENGTH = 25,277 FT. = 4.787 MILE
NET LENGTH = 24,686 FT. = 4.675 MILE



THESE PLANS WERE MADE BY ME OR BY A MEMBER OF MY
STAFF WORKING UNDER MY PERSONAL SUPERVISION.

02/07/2025
DATE

TRENT RUESTMAN, P.E.
NO. 062.068070
EXPIRATION DATE 11/30/25

"THE ACCEPTANCE OF THIS PROJECT IS BASED ON THE
MINIMUM DESIGN CRITERIA UNDER 3R GUIDELINES."

APPROVED FEBRUARY 07, 20 25

Clay Metcalf
LIVINGSTON COUNTY OFFICIAL

PASSED FEBRUARY 21, 20 25

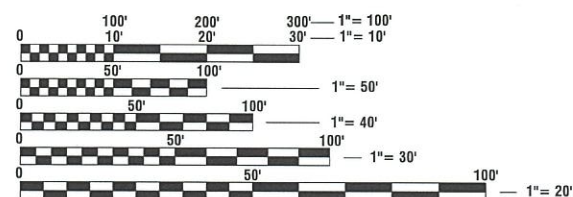
DISTRICT THREE LOCAL ROADS & STREETS ENGINEER

RELEASING FOR BID
BASED ON LIMITED
REVIEW FEBRUARY 21 20 25

Julia Thompson
REGION TWO ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARDS 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

TRAFFIC DATA

SEE PROPOSED CROSS SECTION SHEETS
FOR EACH LOCATIONS TRAFFIC DATA

CONTRACT NO. 87862

SUMMARY OF QUANTITIES		CONST. CODE 0005	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	52,262.0
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	TON	3,364.0
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	1,154.0
40604000	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "C", N50	TON	5,104.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	541.0
44000154	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/4"	SQ YD	4,889.0
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	56,929.0
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1,565.0
67100100	MOBILIZATION	L SUM	1.0
70300100	SHORT TERM PAVEMENT MARKING	FOOT	11,689.0
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	829.0
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	184.8
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	169.0
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	79,511.0
78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	184.8
78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	169.0
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	3,840.0
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1.0

Δ SPECIALTY ITEMS

BITUMINOUS MIX TABLE				
Mixture Use(s)	HMA Binder	HMA Binder	HMA Surface	HMA Incidental
Location(s)	CH 13 & CH17	CH 13, CH 24 & CH 27	ENTIRE PROJECT	ENTIRE PROJECT
PG Grade	SBS PB 70-28	PG64-22	PG64-22	PG64-22
Design Air Voids	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
Mixture Composition	IL 4.75	IL 9.5FG	IL 9.5FG	IL 9.5FG
Friction Aggregate	N/A	N/A	Mixture C	Mixture C
Density Test Method	Cores/Nuclear	Cores/Nuclear	Cores/Nuclear	Satisfaction of Engineer
Mixture Weight	112 # / s.y. / inch	112 # / s.y. / inch	112 # / s.y. / inch	112 # / s.y. / inch
Quality Management Program	QC/QA	QC/QA	QC/QA	QC/QA
Sublot Size	N/A	N/A	N/A	N/A
Material Transfer Device	NO	NO	NO	NO

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701301-04	LANE CLOSURE 2L, 2W SHORT TIME OPERATIONS
701306-04	LANE CLOSURE 2L, 2W SLOW MOVING OPERATIONS DAY ONLY ≥ 45MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS DAY ONLY
701901-10	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:
HOT-MIX ASPHALT 112 LB/SQ YD/ INCH
AGGREGATE WEDGE SHOULDER, TYPE B 2.05 TONS/CU YD

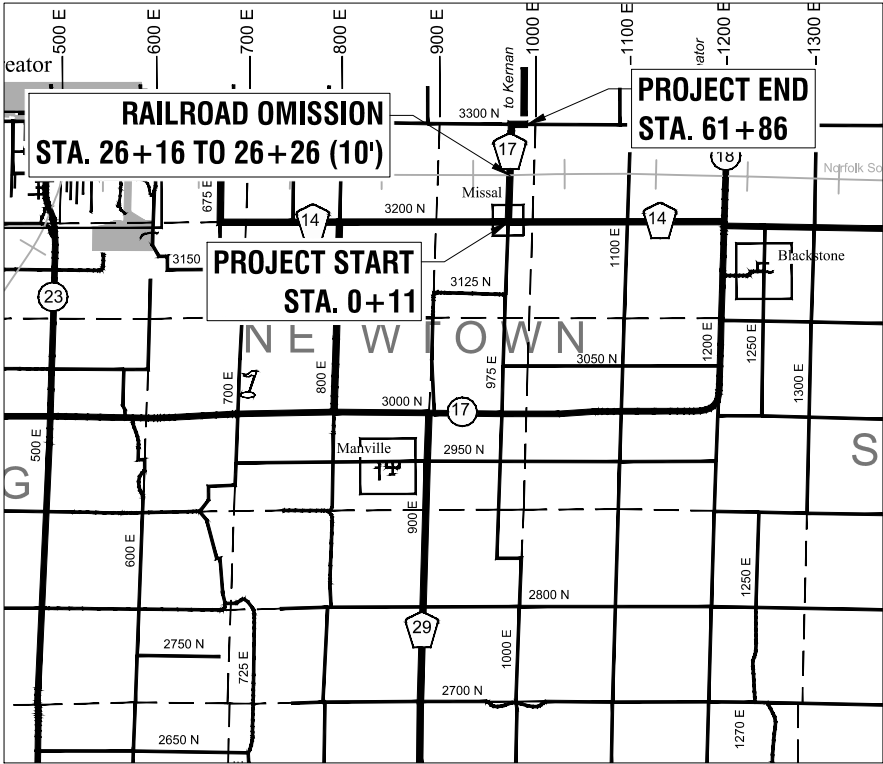
BITUMINOUS MATERIALS APPLICATION RATES:

SURFACE TYPE	RESIDUAL RATE
AGGREGATE BASE (PRIME COAT)	0.250 LB/SQ FT
MILLED HMA OR PCC (TACK COAT)	0.050 LB/SQ FT
EXISTING PAVEMENT (TACK COAT)	0.050 LB/SQ FT
TACK COAT (BETWEEN LIFTS)	0.025 LB/SQ FT

ALL AREAS WHERE A 4' WING OUT AT PRIVATE ENTRANCES AND SIDE ROADS SHALL BE CONSTRUCTED WITH THE EXTENDABLE SCREED WIDENER AND PAID FROM HOT-MIX ASPHALT BINDER AND HOT-MIX ASPHALT SURFACE COURSE PAY ITEMS.

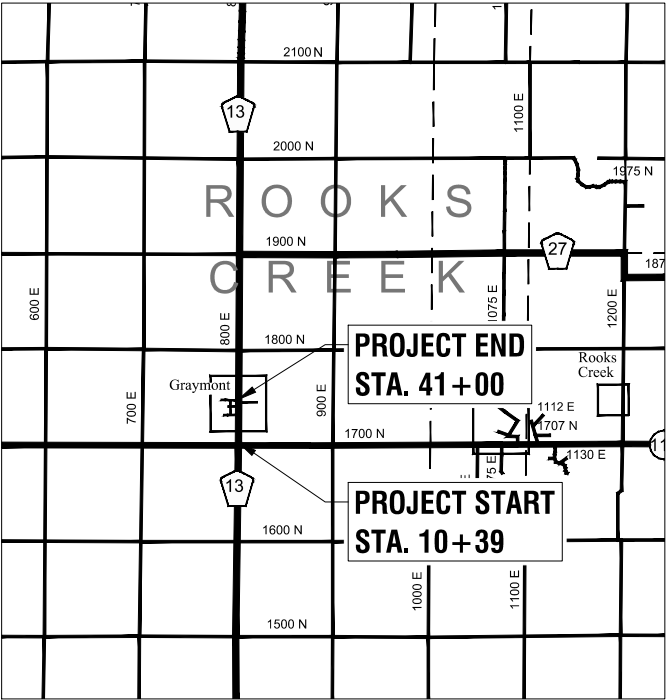
ALL PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, SIDE ROADS AND SOME RURAL MAILBOX TURNOUTS ARE TO BE CONSTRUCTED AND PAID FROM INCIDENTAL HOT-MIX ASPHALT SURFACING AND SHALL BE LAID OUT BY THE ENGINEER.

AGGREGATE SHOULDERS SHALL BE PLACED ALONG ALL SIDE ROAD RETURN RADII AND SHALL BE PLACED ALONG AND BEHIND ALL FIELD ENTRANCES, MAILBOX TURNOUTS AND ALL PRIVATE AND COMMERCIAL ENTRANCES UNLESS SPECIFIED BY THE ENGINEER.



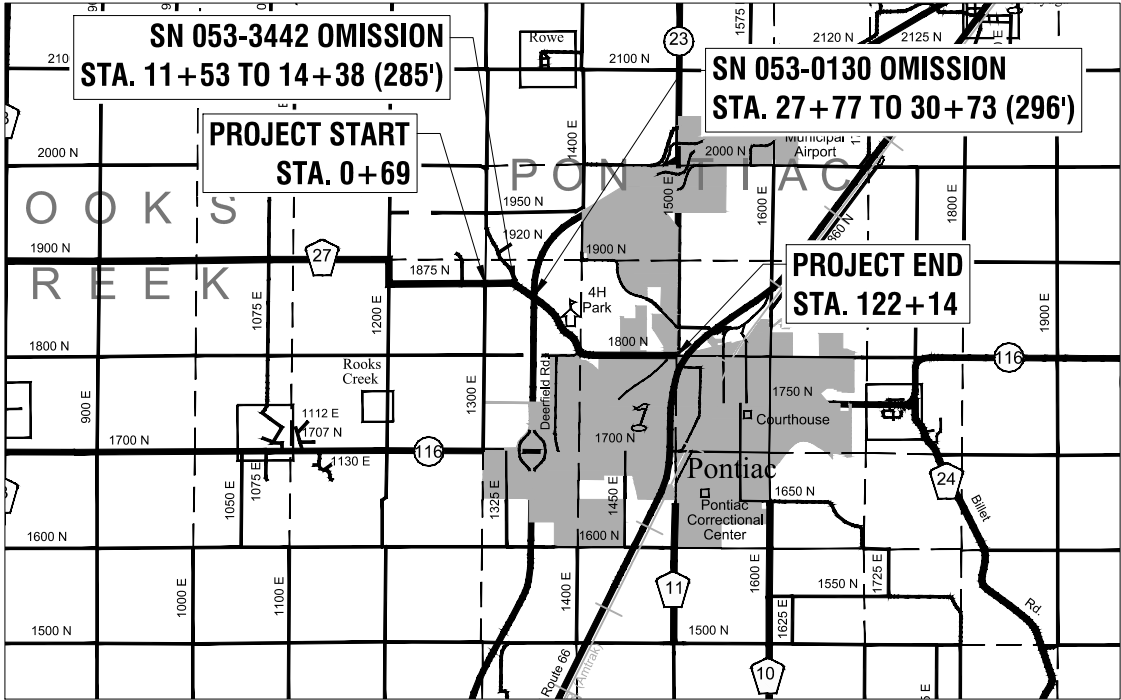
LOCATION #1

T30N, R4E, 3rd PM



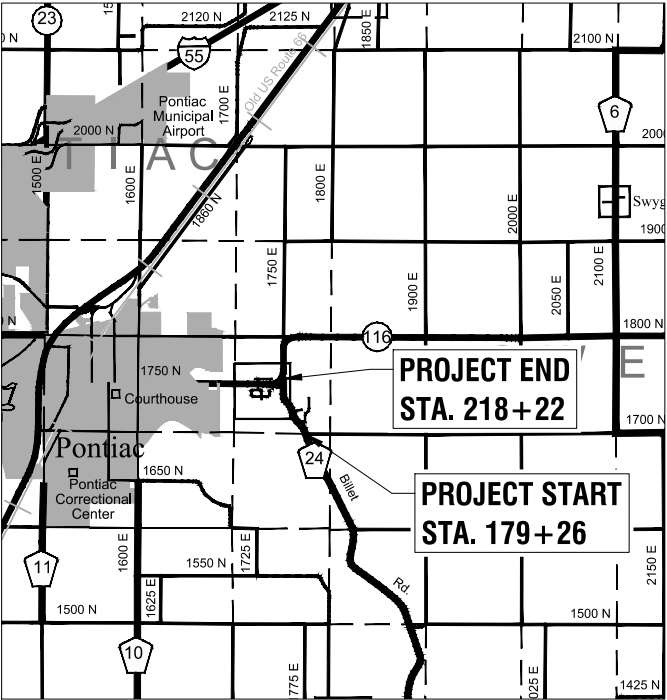
LOCATION #2

T28N, R4E, 3rd PM



LOCATION #3

T28N, R5E, 3rd PM



LOCATION #4

T28N, R5E/R6E, 3rd PM

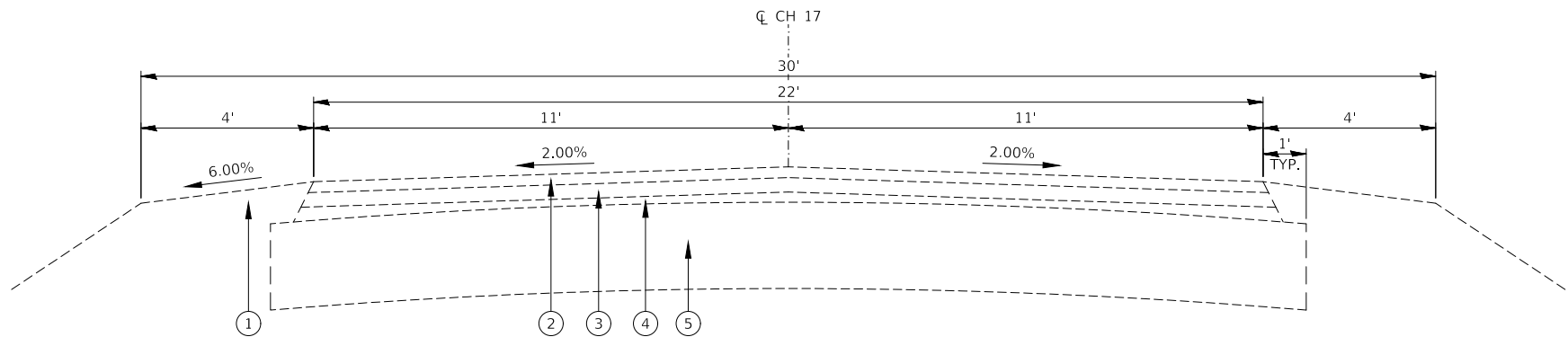
LIVINGSTON COUNTY
HIGHWAY DEPARTMENT

SUMMARY OF QUANTITIES, HIGHWAY STANDARDS,
GENERAL NOTES & LOCATION MAPS

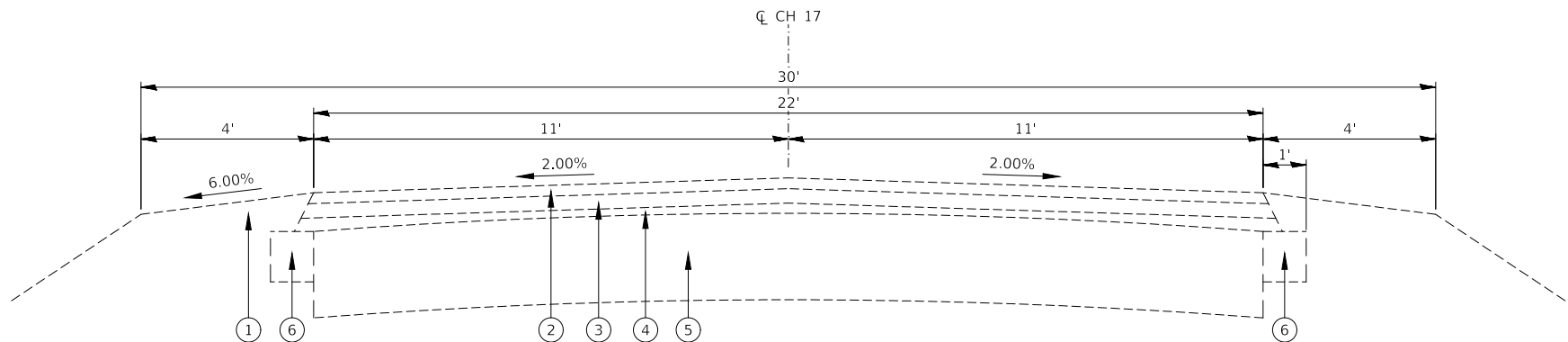
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	21-00229-00-R5	LIVINGSTON	16	2
CONTRACT NO. 87862				
ILLINOIS FED. AID PROJECT 6F75(291)				

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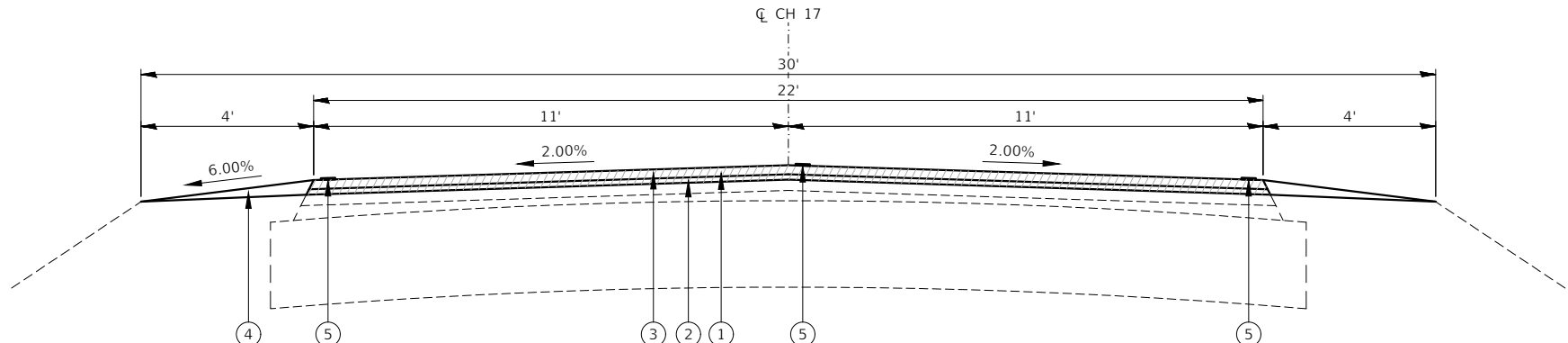


CH 17 EXISTING TYPICAL SECTION
STA. 0+11 TO STA. 22+00



CH 17 EXISTING TYPICAL SECTION
STA. 22+00 TO STA. 61+86

- LEGEND**
- ① EXISTING AGGREGATE SHOULDERS
 - ② EXISTING BITUMINOUS CLASS 1, TYPE 2, SURFACE COURSE, 1 ½"
 - ③ EXISTING BINDER COURSE (MIX B), 2"
 - ④ EXISTING LEVELING BINDER W/ AVG. 1.0 TON/100' CROWN CORRECTION, 1"
 - ⑤ EXISTING 12" AGGREGATE BASE W A-3 SURFACE
 - ⑥ BITUMINOUS BASE COURSE WIDENING, 7"



CH 17 PROPOSED TYPICAL SECTION
STA. 0+11 TO STA. 61+86

NOTE: BASE VARIES, SEE EXISTING TYPICAL SECTION FOR INFORMATION

- LEGEND**
- ① HOT-MIX ASPHALT SURFACE REMOVAL, 2"
 - ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"
 - ③ HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "C", N50, 1 ¼"
 - ④ AGGREGATE WEDGE SHOULDER, TYPE B
 - ⑤ PAINT PAVEMENT MARKING LINE, 4"

Sec. 21-00229-00-RS: Missal Elevator Rd (CH 17)
LIVINGSTON COUNTY STA. 0+11 TO STA. 61+86

STRUCTURAL DESIGN DATA 80,000 LBS					
CLASS III ROAD DESIGN PERIOD 20 YEARS					
CURRENT A.D.T.			225		
STRUCTURAL DESIGN TRAFFIC:			300	YEAR:	2045
PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:					
P.V.	88%	S.U.	7%	M.U.	5%
P.V.	264	S.U.	21	M.U.	15
MMINIMUM SOIL SUPPORT: IBR= 4.0					
TRAFFIC FACTOR (T.R.)= 0.081					
STRUCTURAL NUMBER (Dt)= 2.65					
PAVEMENT STRUCTURE MATERIALS:					
SURFACE: PROPOSED HMA PAVEMENT				2.00 @	0.40 a1=0.80
BASE: EXISTING HMA SURFACE 2000				2.50 @	0.30 a2=0.75
BASE: EXISTING A-3 SURFACE				3.00 @	0.15 a3=0.45
SUBBASE: EXISTING AGGREGATE BASE COURSE				9.00 @	0.08 a4=0.72
PROPOSED Dt TOTAL = 2.72					

NOTE: EXISTING PAVEMENT THICKNESS IS BASED ON EXISTING PLANS

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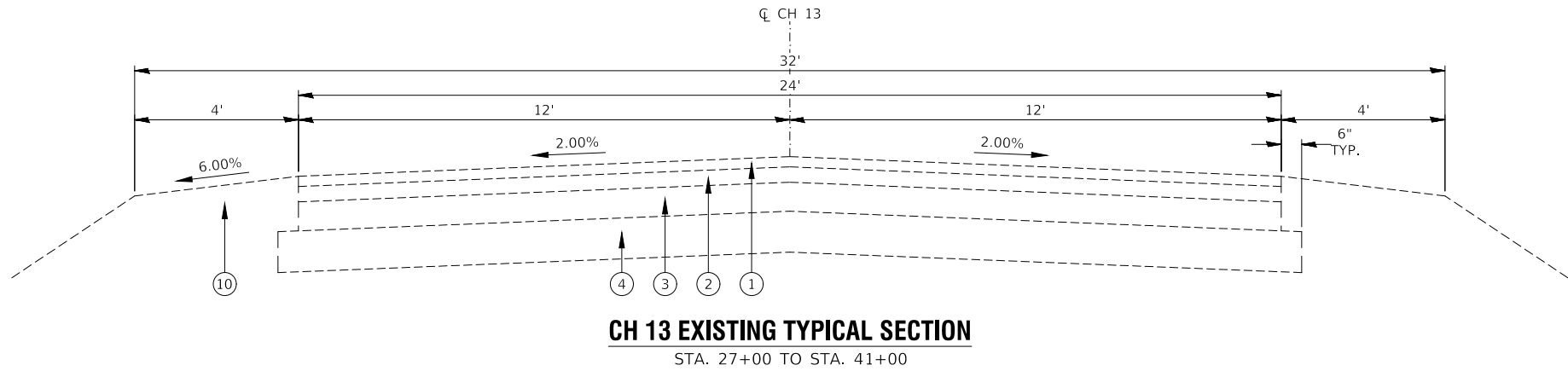
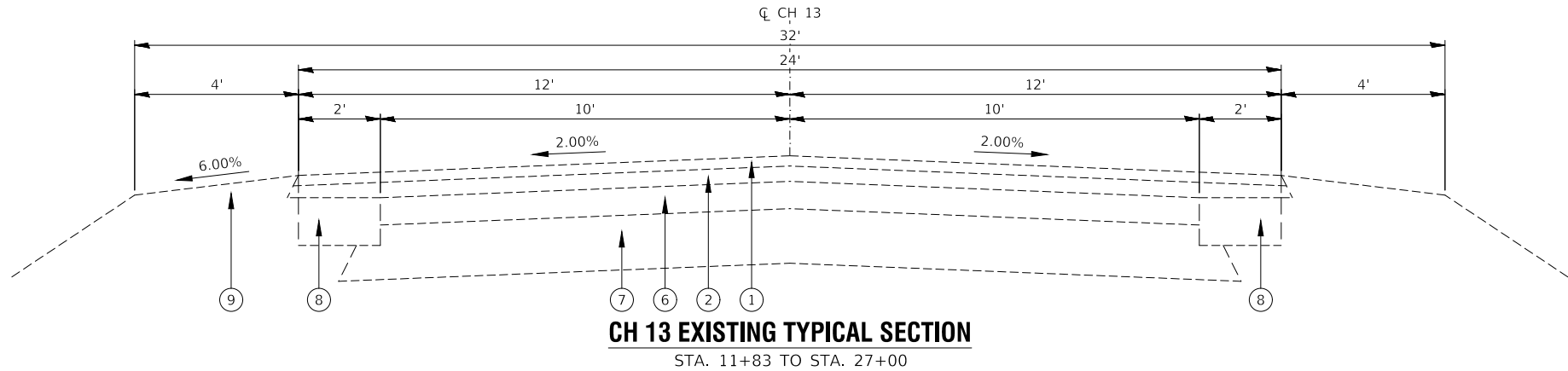
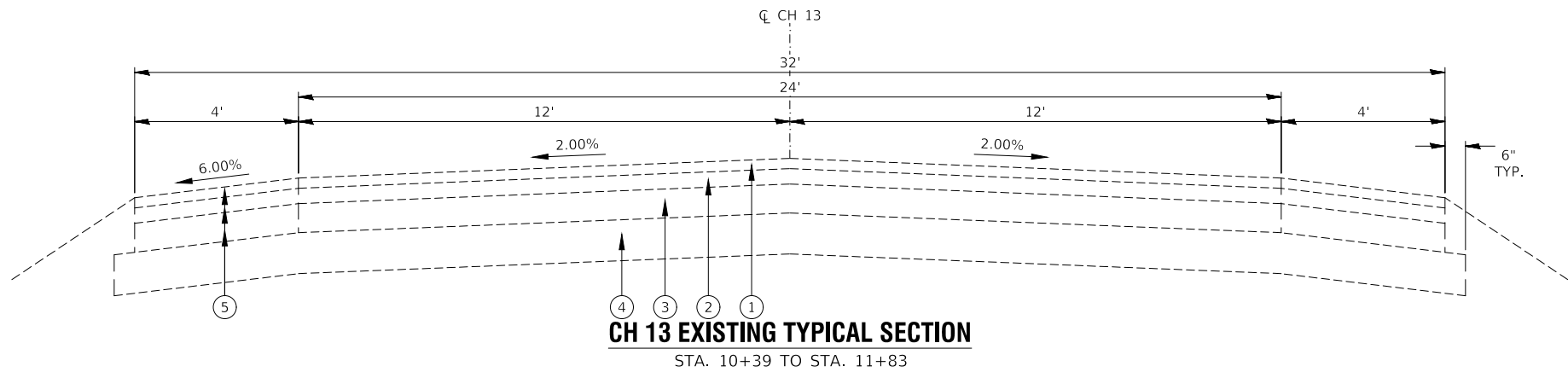
USER NAME = Trent Ruestman	DESIGNED - Designed By	REVISED - Revised By1
	DRAWN - Drawn By	REVISED - Revised By2
PLOT SCALE = 1:4	CHECKED - Checked By	REVISED - Revised By3
PLOT DATE = 04/12/2024	DATE - Checked Date	REVISED - Revised By4

**LIVINGSTON COUNTY
HIGHWAY DEPARTMENT**

**LOCATION 1 - CH 17
EXISTING & PROPOSED TYPICAL SECTIONS**

SCALE: 3" = 1' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	21-00229-00-RS	LIVINGSTON	16	3
CONTRACT NO. 87862				
ILLINOIS FED. AID PROJECT 6F75(291)				



LEGEND

- 1 EXISTING BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 1 1/2"
- 2 EXISTING BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50, 2 1/4"
- 3 EXISTING BITUMINOUS BASE COURSE, 4 1/4"
- 4 EXISTING SUBBASE GRANULAR MATERIAL, TYPE A, 6"
- 5 EXISTING BITUMINOUS SHOULDER (PAVED AS PART OF MAINLINE)
- 6 EXISTING BITUMINOUS PAVEMENT A-3, 4"
- 7 EXISTING AGGREGATE BASE, 8"
- 8 BITUMINOUS CONCRETE BASE COURSE WIDENING, SUPERPAVE, 7"
- 9 AGGREGATE SHOULDERS, TYPE A, 6"
- 10 TURF SHOULDERS

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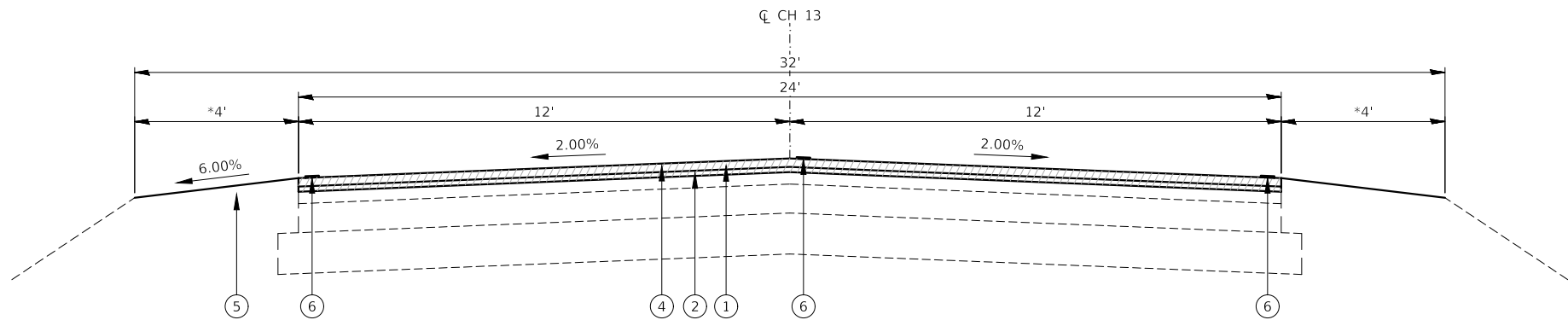
USER NAME	= Trent Ruestman	DESIGNED -	Designed By	REVISED -	Revised By1
		DRAWN -	Drawn By	REVISED -	Revised By2
PLOT SCALE	= 1:4	CHECKED -	Checked By	REVISED -	Revised By3
PLOT DATE	= 04/12/2024	DATE -	Checked Date	REVISED -	Revised By4

LIVINGSTON COUNTY
HIGHWAY DEPARTMENT

LOCATION 2 - CH 13
EXISTING TYPICAL SECTIONS

SCALE: 3" = 1' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	21-00229-00-RS	LIVINGSTON	16	4
		CONTRACT NO. 87862		
		ILLINOIS FED. AID PROJECT 6F75(291)		

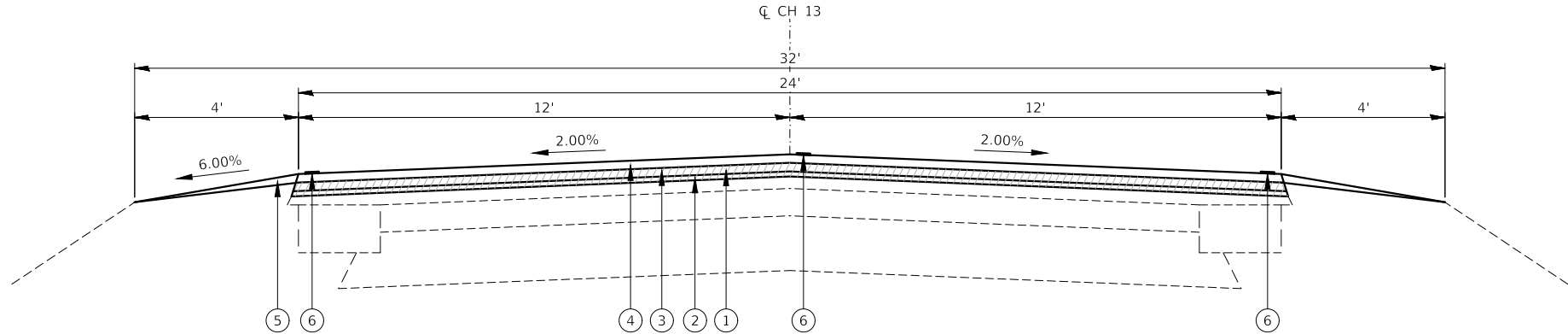


CH 13 PROPOSED TYPICAL SECTION

STA. 10+39 TO STA. 12+27
STA. 26+75 TO STA. 41+00

*BETWEEN STA. 27+62 TO STA. 35+27, 18' WIDE PAVED AREA W/ 3/4" POLYMERIZED HMA BINDER & 1 1/4" HMA SURFACE.
SEE SCHEDULE FOR RESURFACING ON SHEET 14 FOR MORE INFORMATION

- LEGEND**
- 1 HOT-MIX ASPHALT SURFACE REMOVAL, 2"
 - 2 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
 - 3 HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50, 1 1/4"
 - 4 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "C", N50, 1 1/4"
 - 5 AGGREGATE WEDGE SHOULDER, TYPE B
 - 6 PAINT PAVEMENT MARKING LINE, 4"



CH 13 PROPOSED TYPICAL SECTION

STA. 12+27 TO STA. 26+75

Sec. 21-00229-00-RS: Graymont Rd (CH 13)
LIVINGSTON COUNTY STA. 12+27 TO STA. 26+75

STRUCTURAL DESIGN DATA 80,000 LBS					
CLASS III ROAD DESIGN PERIOD 20 YEARS					
CURRENT A.D.T.		575			
STRUCTURAL DESIGN TRAFFIC:		700	YEAR:	2045	
PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:					
P.V.	88%	S.U.	7%	M.U.	5%
P.V.	616	S.U.	49	M.U.	35
MINIMUM SOIL SUPPORT:		IBR=	4.0		
TRAFFIC FACTOR (T.R.)=		0.189			
STRUCTURAL NUMBER (Dt)=		3.05			
PAVEMENT STRUCTURE MATERIALS:					
SURFACE: PROPOSED HMA PAVEMENT		3.25 @ 0.40 a1=1.30			
BASE: EXISTING HMA 2005		1.75 @ 0.30 a2=0.53			
BASE: EXISTING A-3 SURFACE		4.00 0.15 a3=0.60			
SUBBASE: EXISTING AGGREGATE BASE COURSE		8.00 @ 0.08 a4=0.64			
PROPOSED Dt TOTAL = 3.07					

NOTE: EXISTING PAVEMENT THICKNESS IS BASED ON EXISTING PLANS

Sec. 21-00229-00-RS: Graymont Rd (CH 13)
LIVINGSTON COUNTY STA. 10+39 TO STA. 12+27 &
STA. 26+75 TO STA. 41+00

STRUCTURAL DESIGN DATA 80,000 LBS					
CLASS III ROAD DESIGN PERIOD 20 YEARS					
CURRENT A.D.T.		575			
STRUCTURAL DESIGN TRAFFIC:		700	YEAR:	2045	
PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:					
P.V.	88%	S.U.	7%	M.U.	5%
P.V.	616	S.U.	49	M.U.	35
MMINIMUM SOIL SUPPORT:		IBR=	4.0		
TRAFFIC FACTOR (T.R.)=		0.189			
STRUCTURAL NUMBER (Dt)=		3.05			
PAVEMENT STRUCTURE MATERIALS:					
SURFACE: PROPOSED HMA PAVEMENT			2.00 @	0.40 a1=0.80	
BASE: EXISTING HMA 2005			6.00 @	0.30 a2=1.80	
SUBBASE: EXISTING AGGREGATE BASE COURSE			6.00 @	0.08 a3=0.48	
			PROPOSED Dt	TOTAL = 3.08	

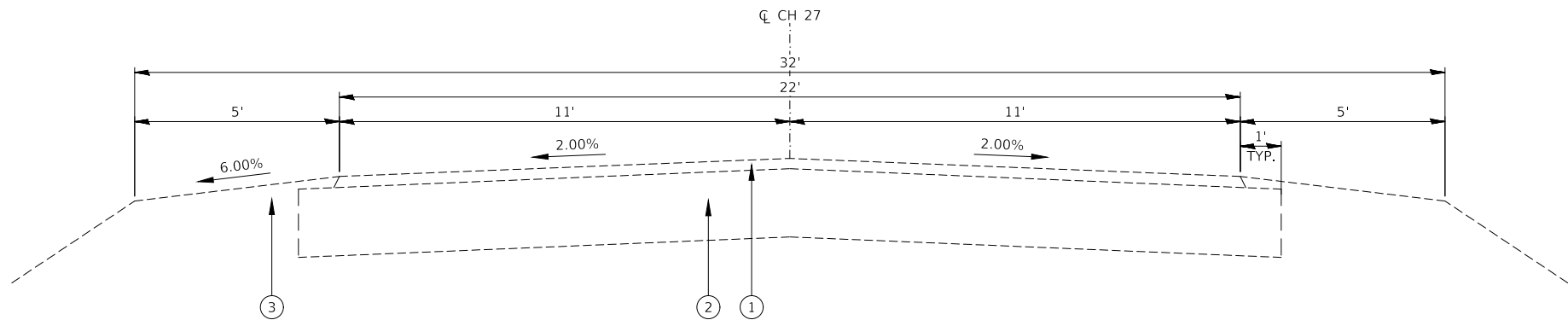
NOTE: EXISTING PAVEMENT THICKNESS IS BASED ON EXISTING PLANS

LIVINGSTON COUNTY
HIGHWAY DEPARTMENT

LOCATION 2 - CH 13
PROPOSED TYPICAL SECTIONS

SCALE: 3" = 1' SHEET 2 OF 2 SHEETS STA. TO STA.

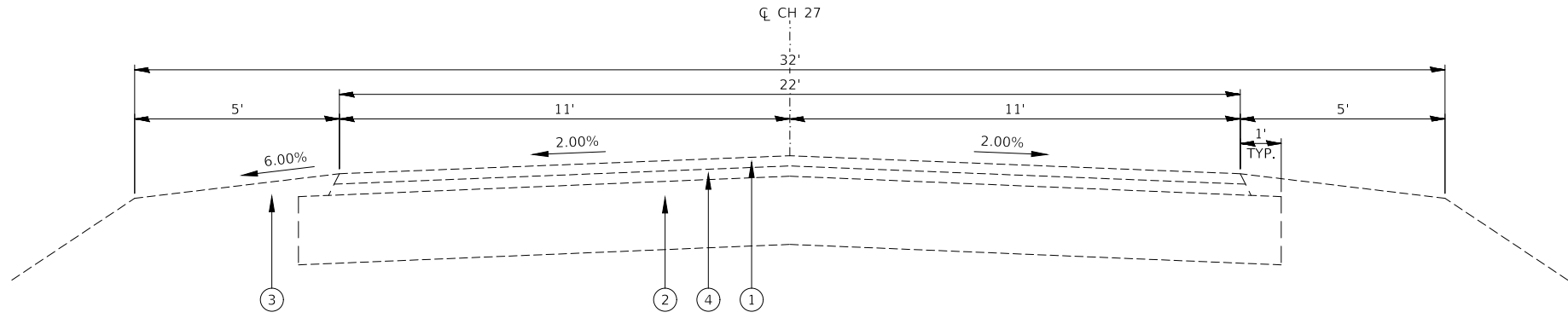
F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	21-00229-00-RS	LIVINGSTON	16	5
		CONTRACT NO. 87862		
		ILLINOIS FED. AID PROJECT 6F75(291)		



CH 27 EXISTING TYPICAL SECTION

STA. 0+69 TO STA. 5+61

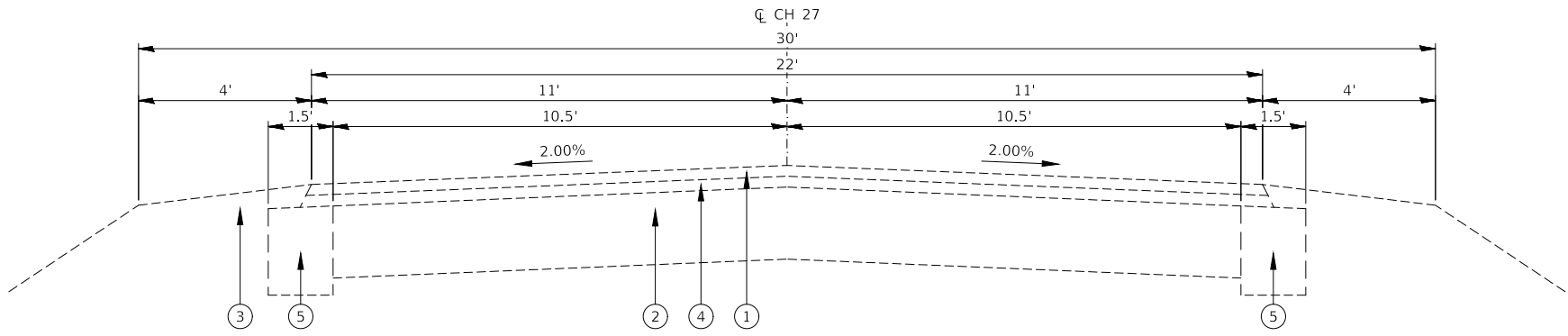
STA. 21+74 TO STA. 27+77



CH 27 EXISTING TYPICAL SECTION

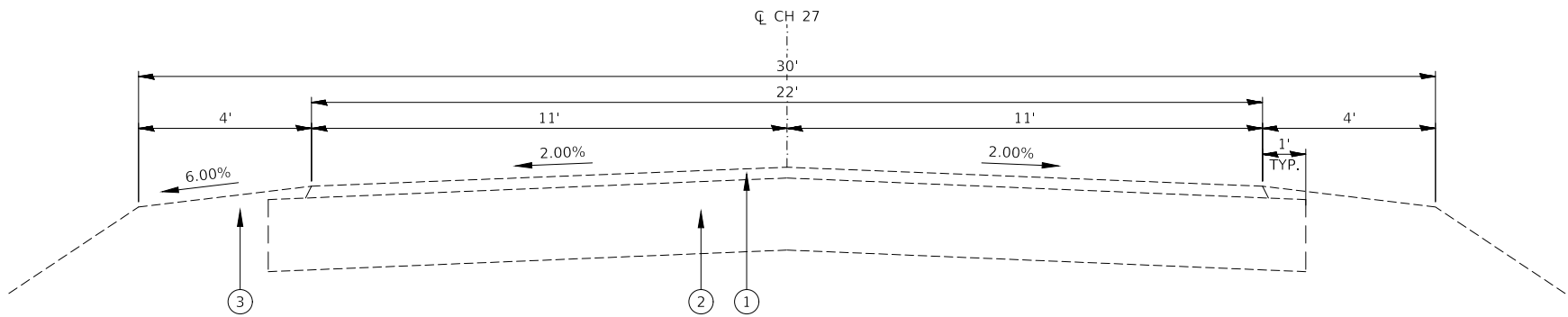
STA. 5+61 TO STA. 21+74

BRIDGE OMISSION STA. 11+53 TO STA. 14+38



CH 27 EXISTING TYPICAL SECTION

STA. 30+73 TO STA. 48+05



CH 27 EXISTING TYPICAL SECTION

STA. 48+05 TO STA. 62+35

LEGEND

- 1 EXISTING BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 1 1/2"
- 2 EXISTING AGGREGATE BASE COURSE W/ A-3, 10"
- 3 EXISTING AGGREGATE SHOULDER
- 4 EXISTING BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50, 1 1/2"
- 5 EXISTING AGGREGATE BASE COURSE WIDENING, 12"
- 6 EXISTING BITUMINOUS CONCRETE SURFACE COURSE, CLASS I, MIX "C", TYPE 2, 2"
- 7 EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIX "B", TYPE 2, 2"
- 8 EXISTING BITUMINOUS BASE COURSE, 4"
- 9 EXISTING AGGREGATE BASE COURSE, 6"
- 10 EXISTING HMA SURFACE COURSE, MIX "C", N50, 1 1/4"
- 11 EXISTING LEVELING BINDER (MM), N50, 1 3/4"
- 12 EXISTING STABILIZED BASE, 8"
- 13 EXISTING AGGREGATE BASE COURSE, 7 1/2"

LOCATION 3 - CH 27
CURVE 1 DATA (EXISTING)
PI STA = 8+40.41
Δ = 11°35'10"
D = 3°50'00"
R = 1,494.67'
T = 151.64'
L = 302.25'
E = 7.67'
e = 6.00%
P.C. STA = 6+89.29
P.T. STA = 9+91.54

LOCATION 3 - CH 27
CURVE 2 DATA (EXISTING)
PI STA = 17+85.64
Δ = 30°00'00"
D = 7°30'00"
R = 763.94'
T = 204.70'
L = 400'
E = 26.95'
e = 8.00%
P.C. STA = 15+85.64
P.T. STA = 19+85.64

LOCATION 3 - CH 27
CURVE 3 DATA (EXISTING)
PI STA = 23+72.92
Δ = 8°49'41"
D = 2°45'00"
R = 2083.48'
T = 160.82'
L = 321.02'
E = 6.20'
e = 5.00%
P.C. STA = 22+12.41
P.T. STA = 25+33.43

LOCATION 3 - CH 27
CURVE 4 DATA (EXISTING)
PI STA = 40+38.06
Δ = 27°59'26"
D = 7°30'00"
R = 763.94'
T = 190.40'
L = 373.21'
E = 23.37'
e = 8.00%
P.C. STA = 38+51.45
P.T. STA = 42+24.66

LOCATION 3 - CH 27
CURVE 5 DATA (EXISTING)
PI STA = 53+67.21
Δ = 23°42'35"
D = 7°9'43"
R = 800.00'
T = 167.93'
L = 331.05'
E = 17.43'
e = N/A
P.C. STA = 52+01.68
P.T. STA = 55+32.73

LOCATION 3 - CH 27
CURVE 6 DATA (EXISTING)
PI STA = 58+44.81
Δ = 9°26'39"
D = 3°49'11"
R = 1,500'
T = 123.91'
L = 247.25'
E = 5.11'
e = N/A
P.C. STA = 57+21.18
P.T. STA = 59+68.43

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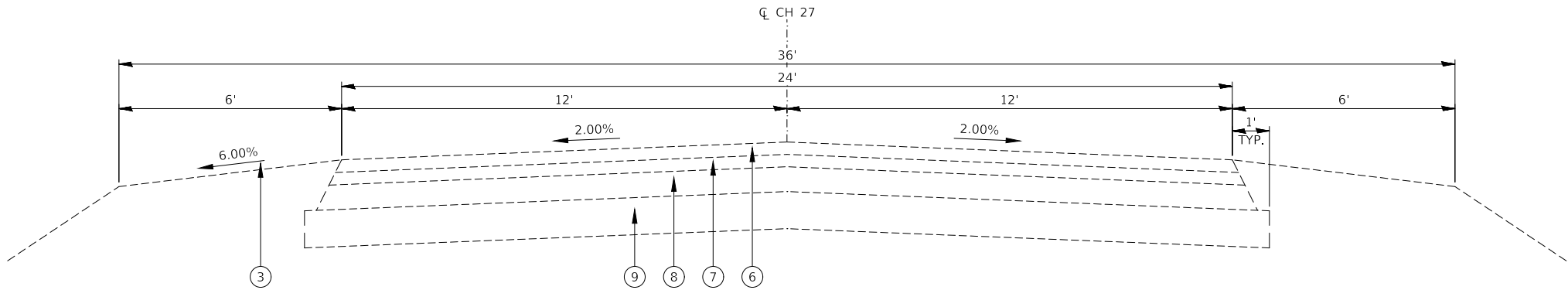
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	DRAWN - Drawn By	REVISED - Revised By2
PLOT SCALE = 1:4	CHECKED - Checked By	REVISED - Revised By3
PLOT DATE = 04/12/2024	DATE - Checked Date	REVISED - Revised By4

LIVINGSTON COUNTY
HIGHWAY DEPARTMENT

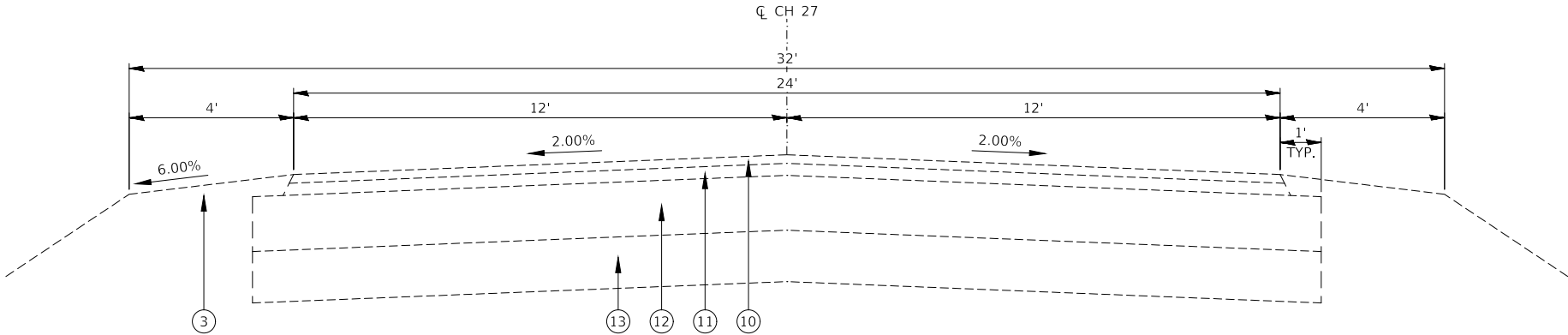
LOCATION 3 - CH 27
EXISTING TYPICAL SECTIONS

SCALE: 3" = 1' SHEET 1 OF 3 SHEETS STA. TO STA.

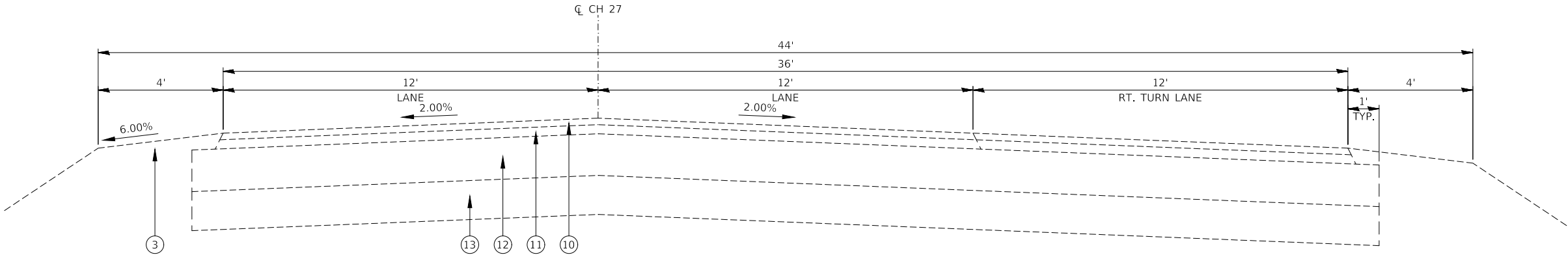
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VAR.	21-00229-00-R5	LIVINGSTON	16	6
CONTRACT NO. 87862				
ILLINOIS FED. AID PROJECT 6F75(291)				



CH 27 EXISTING TYPICAL SECTION
STA. 62+35 TO STA. 96+54



CH 27 EXISTING TYPICAL SECTION
STA. 96+54 TO STA. 113+76



CH 27 EXISTING TYPICAL SECTION
STA. 113+76 TO STA. 122+14

LEGEND

- ① EXISTING BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 1 ½"
- ② EXISTING AGGREGATE BASE COURSE W/ A-3, 10"
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50, 1 ½"
- ⑤ EXISTING AGGREGATE BASE COURSE WIDENING, 12"
- ⑥ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, CLASS I, MIX "C", TYPE 2, 2"
- ⑦ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIX "B", TYPE 2, 2"
- ⑧ EXISTING BITUMINOUS BASE COURSE, 4"
- ⑨ EXISTING AGGREGATE BASE COURSE, 6"
- ⑩ EXISTING HMA SURFACE COURSE, MIX "C", N50, 1 ¼"
- ⑪ EXISTING LEVELING BINDER (MM), N50, 1 ¾"
- ⑫ EXISTING STABILIZED BASE, 8"
- ⑬ EXISTING AGGREGATE BASE COURSE, 7 ½"

LOCATION 3 - CH 27
CURVE 7 DATA (EXISTING)
PI STA = 69+40.90
Δ = 28°57'29"
D = 2°29'28"
R = 754.59'
T = 194.86'
L = 381.38'
E = 24.75'
e = 4.00%
P.C. STA = 67+49.91
P.T. STA = 71+31.29

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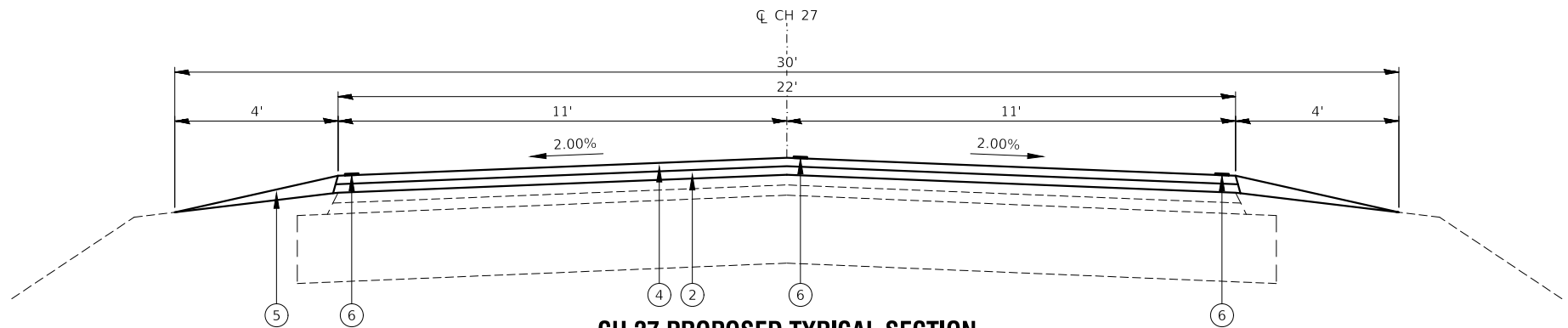
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PLOT SCALE	= 1:4	CHECKED -	Checked By	REVISED -	Revised By3
PLOT DATE	= 04/12/2024	DATE -	Checked Date	REVISED -	Revised By4

**LIVINGSTON COUNTY
HIGHWAY DEPARTMENT**

**LOCATION 3 - CH 27
EXISTING TYPICAL SECTIONS**

SCALE: 3" = 1' SHEET 2 OF 3 SHEETS STA. TO STA.

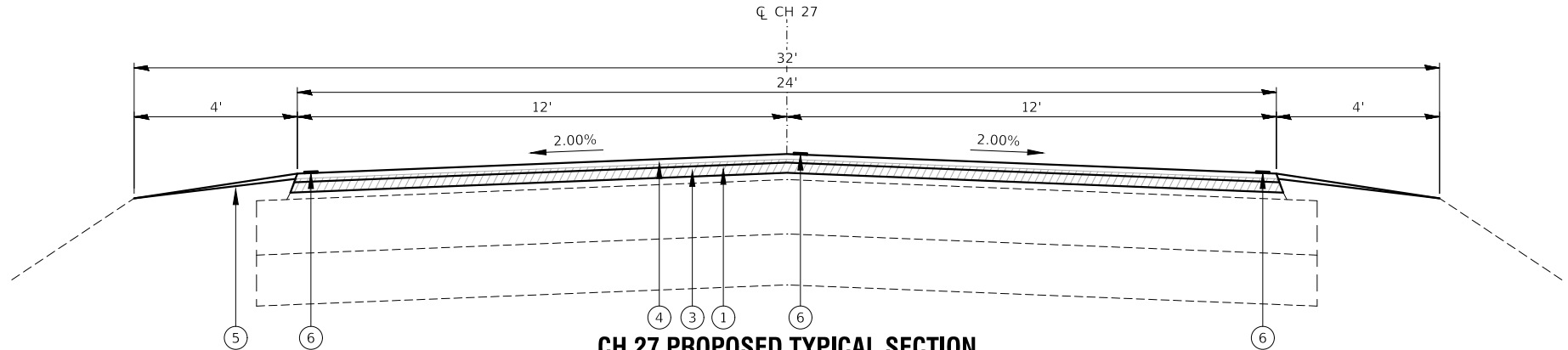
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VAR.	21-00229-00-RS	LIVINGSTON	16	7
		CONTRACT NO. 87862		
		ILLINOIS FED. AID PROJECT 6F75(291)		



CH 27 PROPOSED TYPICAL SECTION

STA. 0+69 TO STA. 55+60

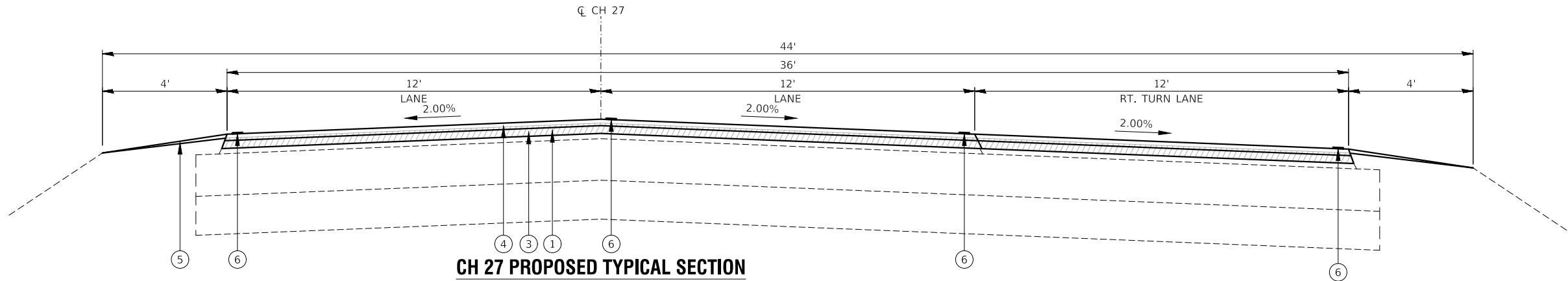
NOTE: BASE VARIES, SEE EXISTING TYPICAL SECTION FOR INFORMATION



CH 27 PROPOSED TYPICAL SECTION

STA. 55+60 TO STA. 113+76

NOTE: BASE VARIES, SEE EXISTING TYPICAL SECTION FOR INFORMATION



CH 27 PROPOSED TYPICAL SECTION

STA. 113+76 TO STA. 122+14

LEGEND

- 1 HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- 2 HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50, 1 1/4"
- 3 HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50, 1 1/2"
- 4 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "C", N50, 1 1/4"
- 5 AGGREGATE WEDGE SHOULDER, TYPE B
- 6 PAINT PAVEMENT MARKING LINE, 4"

Sec. 21-00229-00-RS: 4H Park Rd (CH 27)
LIVINGSTON COUNTY STA. 0+69 TO STA. 55+60

STRUCTURAL DESIGN DATA 80,000 LBS			
CLASS III ROAD DESIGN PERIOD 20 YEARS			
CURRENT A.D.T.	950	YEAR:	2045
STRUCTURAL DESIGN TRAFFIC:			
PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:			
P.V.	88%	S.U.	7%
P.V.	1012	S.U.	80.5
MMINIMUM SOIL SUPPORT:		IBR=	4.0
TRAFFIC FACTOR (T.R.)=		0.310	
STRUCTURAL NUMBER (Dt)=		3.30	
PAVEMENT STRUCTURE MATERIALS:			
SURFACE: PROPOSED HMA PAVEMENT		2.50 @ 0.40	a1=1.00
BASE: EXISTING HMA 2004		3.00 @ 0.30	a2=0.90
BASE: EXISTING A-3 SURFACE		4.00 @ 0.15	a3=0.60
SUBBASE: EXISTING AGGREGATE BASE COURSE		10.00 @ 0.08	a4=0.80
PROPOSED Dt TOTAL = 3.30			

NOTE: EXISTING PAVEMENT THICKNESS IS BASED ON EXISTING PLANS

Sec. 21-00229-00-RS: 4H Park Rd (CH 27)
LIVINGSTON COUNTY STA. 55+60 TO STA. 122+14

STRUCTURAL DESIGN DATA 80,000 LBS			
CLASS II ROAD DESIGN PERIOD 20 YEARS			
CURRENT A.D.T.	3600	YEAR:	2045
STRUCTURAL DESIGN TRAFFIC:			
PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:			
P.V.	95%	S.U.	3%
P.V.	3895	S.U.	123
MMINIMUM SOIL SUPPORT:		IBR=	4.0
TRAFFIC FACTOR (T.R.)=		0.460	
STRUCTURAL NUMBER (Dt)=		3.50	
PAVEMENT STRUCTURE MATERIALS:			
SURFACE: PROPOSED HMA PAVEMENT		2.75 @ 0.40	a1=1.10
BASE: EXISTING HMA 2007		1.00 @ 0.30	a2=0.30
BASE: EXISTING FDR WITH ASPHALT		8.00 @ 0.19	a3=1.52
SUBBASE: EXISTING AGGREGATE BASE COURSE		7.50 @ 0.08	a4=0.60
PROPOSED Dt TOTAL = 3.52			

NOTE: EXISTING PAVEMENT THICKNESS IS BASED ON EXISTING PLANS

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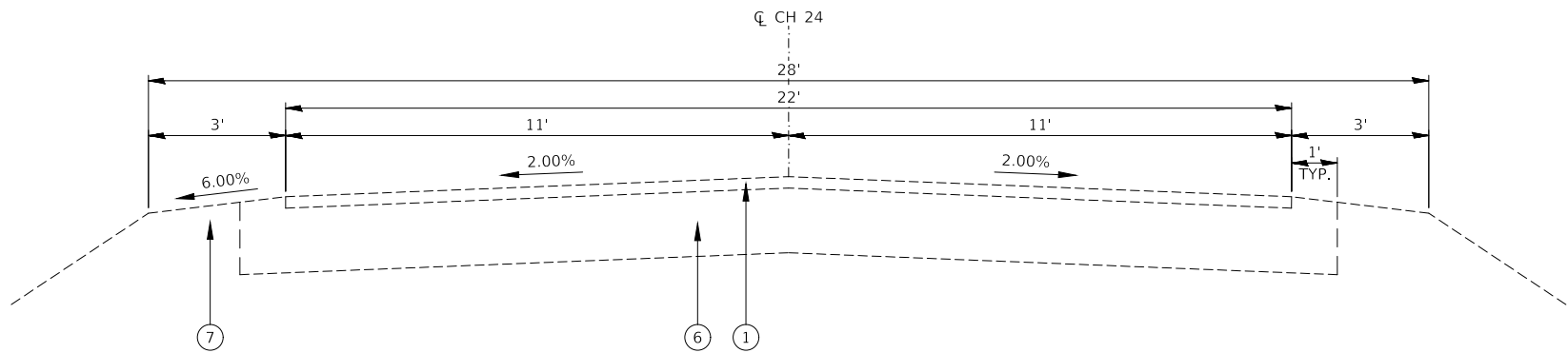
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	DRAWN - Drawn By	REVISED - Revised By2
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PLOT DATE = 04/12/2024	DATE - Checked Date	REVISED - Revised By4

LIVINGSTON COUNTY
HIGHWAY DEPARTMENT

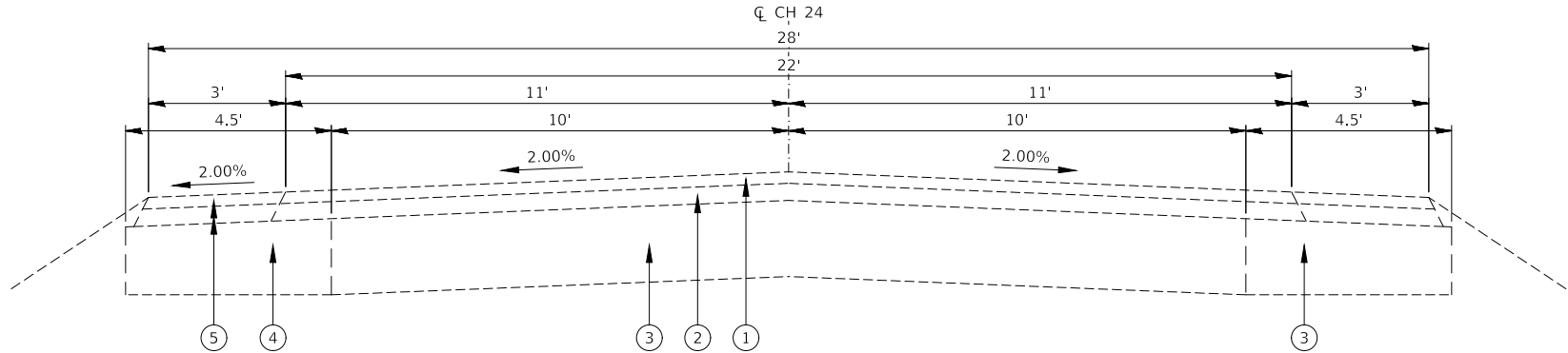
LOCaiton 3 - CH 27
PROPOSED TYPICAL SECTIONS

SCALE: 3" = 1' SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	21-00229-00-RS	LIVINGSTON	16	8
CONTRACT NO. 87862				
ILLINOIS FED. AID PROJECT 6F75(291)				



CH 24 EXISTING TYPICAL SECTION
STA. 179+26 TO STA. 183+56



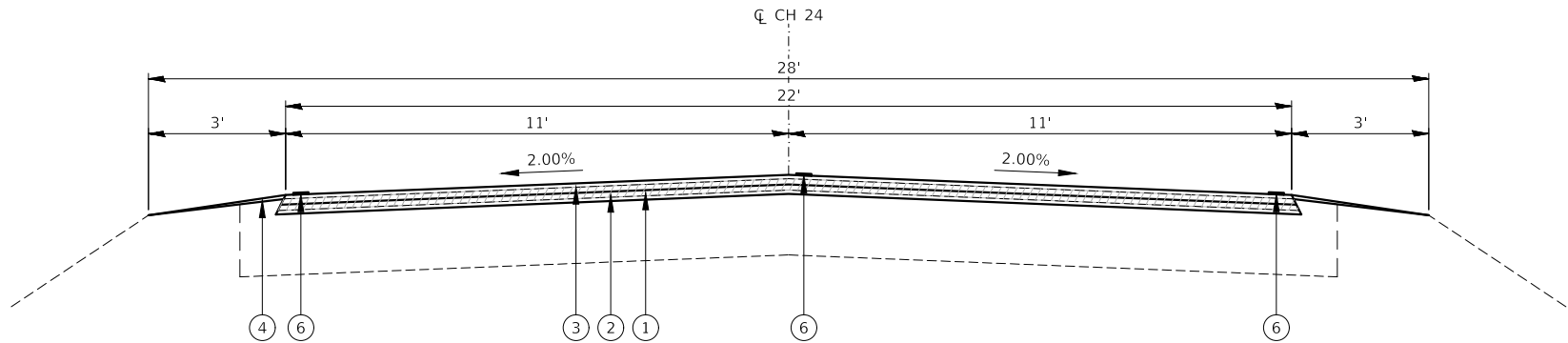
CH 24 EXISTING TYPICAL SECTION
STA. 183+56 TO STA. 213+16

LEGEND

- 1 EXISTING BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 1 1/2"
- 2 EXISTING BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50, 2 1/4"
- 3 EXISTING AGGREGATE BASE COURSE W/ A-3, 10"
- 4 EXISTING AGGREGATE BASE COURSE WIDENING, 10"
- 5 EXISTING BITUMINOUS SHOULDER (PAVED AS PART OF MAINLINE)
- 6 EXISTING AGGREGATE BASE COURSE, 8 1/2"
- 7 EXISTING AGGREGATE SHOULDERS

LOCATION 4 - CH 24 CURVE 1 DATA (EXISTING) PI STA = 187+81.62 Δ = 19°21'00" D = 5°35'00" R = 1,026.51' T = 175.0' L = 346.68' E = 14.81' e = 4.00% P.C. STA = 186+08.28 P.T. STA = 189+54.96	LOCATION 4 - CH 24 CURVE 2 DATA (EXISTING) PI STA = 195+14.02 Δ = 28°42'16" D = 07°06'50" R = 805.41' T = 206.08' L = 403.50' E = 25.95' e = 6.00% P.C. STA = 193+12.27 P.T. STA = 197+15.77	LOCATION 4 - CH 24 CURVE 3 DATA (EXISTING) PI STA = 201+50.49 Δ = 32°11'26" D = 09°32'50" R = 600.13' T = 173.16' L = 337.17' E = 24.28' e = 4.00% P.C. STA = 199+81.91 P.T. STA = 203+19.08
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LOCATION 4 - CH 24 CURVE 4 DATA (EXISTING) PI STA = 207+07.45 Δ = 48°14'79" D = 09°32'50" R = 600.13' T = 268.75' L = 505.35' E = 57.43' e = 4.00% P.C. STA = 204+54.78 P.T. STA = 209+60.13	LOCATION 4 - CH 24 CURVE 5 DATA (EXISTING) PI STA = 214+47.24 Δ = 90°37'17" D = 55°42'24" R = 102.85' T = 103.97' L = 162.68' E = 43.40' e = 3.00% P.C. STA = 213+65.90 P.T. STA = 215+28.58
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CH 24 PROPOSED TYPICAL SECTION
STA. 179+26 TO STA. 183+56

LEGEND

- 1 HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- 2 HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50, 1 1/4"
- 3 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "C", N50, 1 1/4"
- 4 AGGREGATE WEDGE SHOULDER, TYPE B
- 5 HOT-MIX ASPHALT SHOULDER (PAVED AS PART OF MAINLINE)
- 6 PAINT PAVEMENT MARKING LINE, 4"
- 7 DIRT WEDGE PLACED BY OTHERS (AS REQUIRED)

Sec. 21-00229-00-RS: Billet Rd (CH 24)

LIVINGSTON COUNTY STA. 179+26 TO STA. 213+16

STRUCTURAL DESIGN DATA 80,000 LBS					
CLASS III ROAD DESIGN PERIOD 20 YEARS					
CURRENT A.D.T.		1200			
STRUCTURAL DESIGN TRAFFIC:		1400	YEAR:	2045	
PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:					
P.V.	95%	S.U.	3%	M.U.	2%
P.V.	1330	S.U.	42	M.U.	28
MINIMUM SOIL SUPPORT:		IBR=	4.0		
TRAFFIC FACTOR (T.R.)=		0.155			
STRUCTURAL NUMBER (Dt)=		2.95			
PAVEMENT STRUCTURE MATERIALS:					
SURFACE: PROPOSED HMA PAVEMENT		2.50 @	0.40	a1=1.00	
BASE: EXISTING HMA 2006		1.75 @	0.30	a2=0.53	
BASE: EXISTING A-3 SURFACE		4.00 @	0.15	a3=0.60	
SUBBASE: EXISTING AGGREGATE BASE COURSE		10.00 @	0.08	a4=0.80	

NOTE: EXISTING PAVEMENT THICKNESS IS BASED ON EXISTING PLANS

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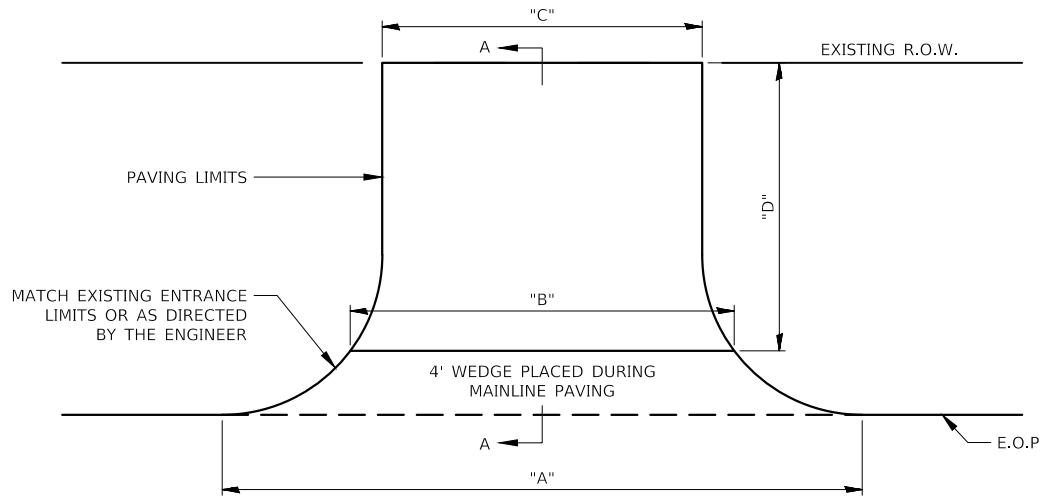
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	DRAWN - Drawn By	REVISED - Revised By2
PLOT SCALE = 1:4	CHECKED - Checked By	REVISED - Revised By3
PLOT DATE = 04/12/2024	DATE - Checked Date	REVISED - Revised By4

**LIVINGSTON COUNTY
HIGHWAY DEPARTMENT**

**LOCATION 4 - CH 24
EXISTING & PROPOSED TYPICAL SECTIONS**

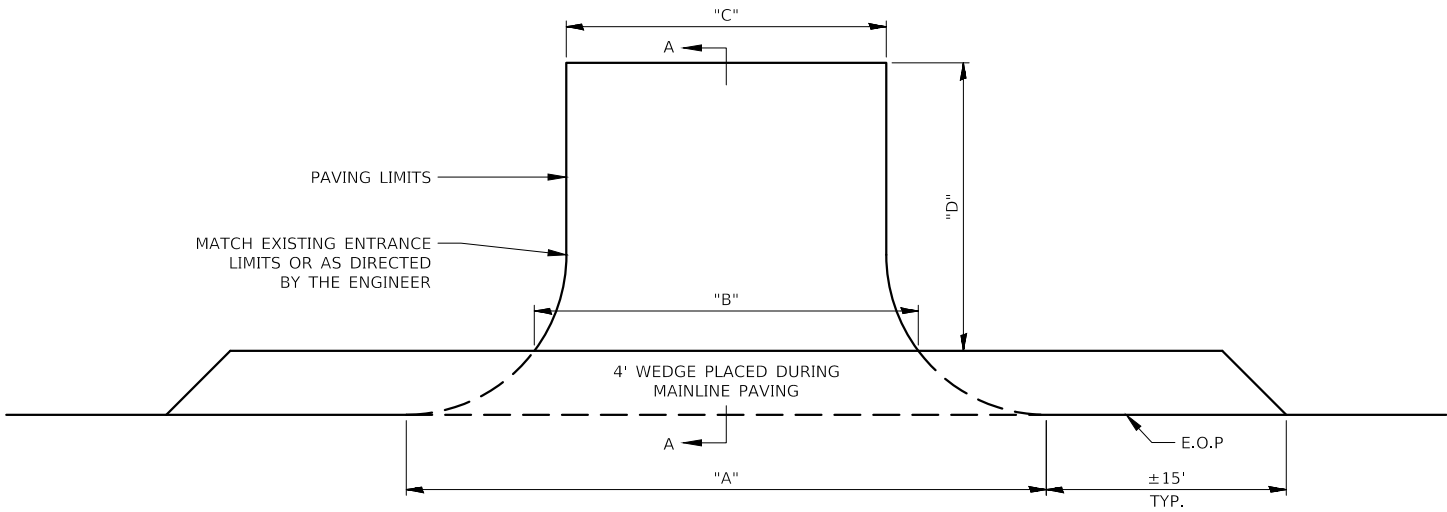
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F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	21-00229-00-RS	LIVINGSTON	16	9
CONTRACT NO. 87862				
ILLINOIS FED. AID PROJECT 6F75(291)				



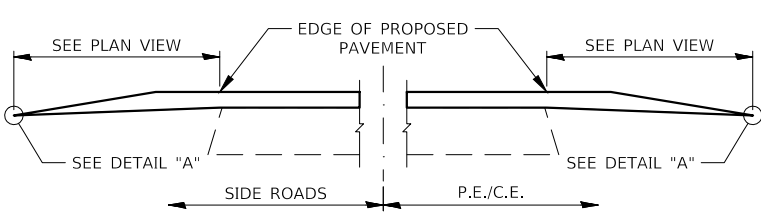
P.E./C.E. DETAIL

SEE SCHEDULES ON SHEETS 14-16 FOR LOCATION AND QUANTITIES

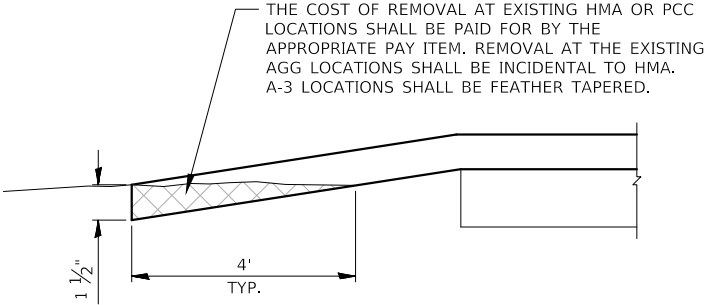


TYPICAL SIDE ROAD INTERSECTION DETAIL

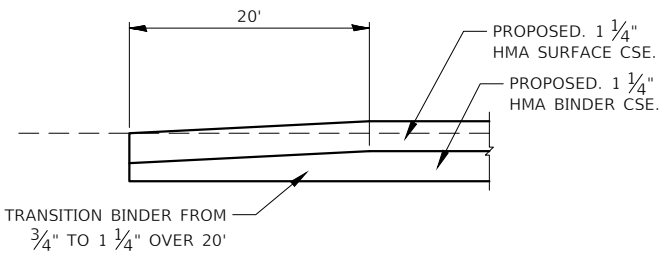
SEE SCHEDULES ON SHEETS 14-16 FOR LOCATION AND QUANTITIES



**SECTION A-A
DETAIL AT ENTRANCE & SIDE ROADS**

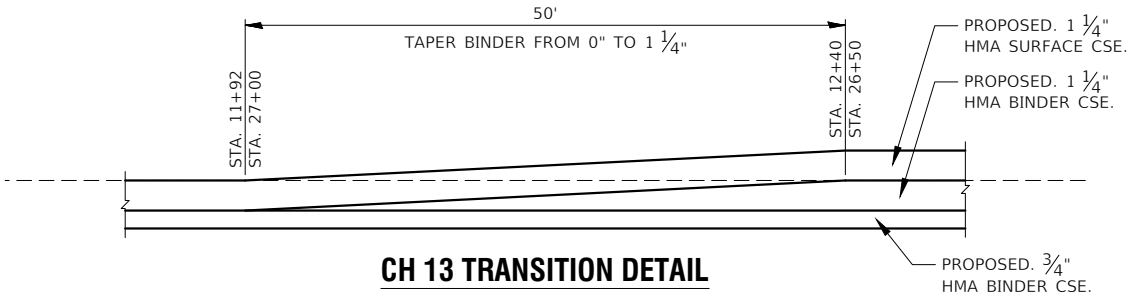


DETAIL A



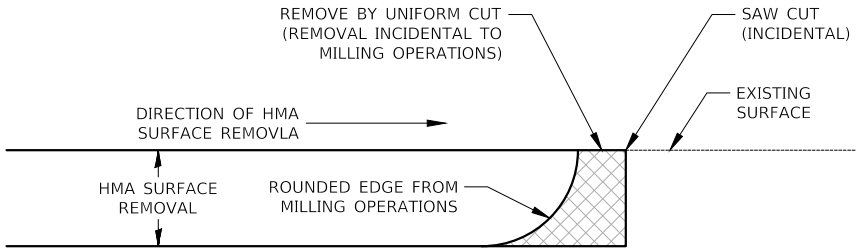
CH 24 TRANSITION DETAIL

STA. 179+26 TO STA. 179+46
STA. 212+96 TO STA. 213+16



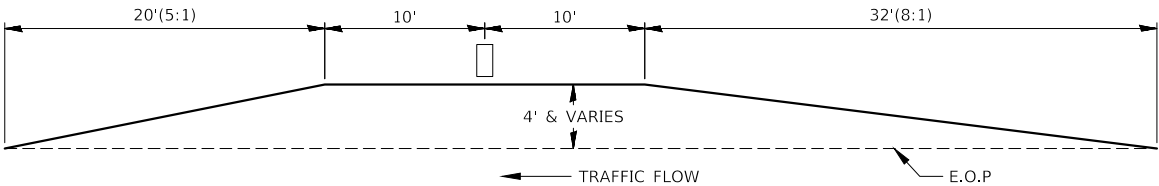
CH 13 TRANSITION DETAIL

STA. 11+92 TO STA. 12+42
STA. 26+50 TO STA. 27+00



NOTE: WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.

HMA DETAIL AT BUTT JOINTS



MAILBOX TURNOUT DETAIL

PLACED DURING MAINLINE PAVING

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DRAWN	- Drawn By	REVISED -	Revised By2	REVISED -	Revised By3
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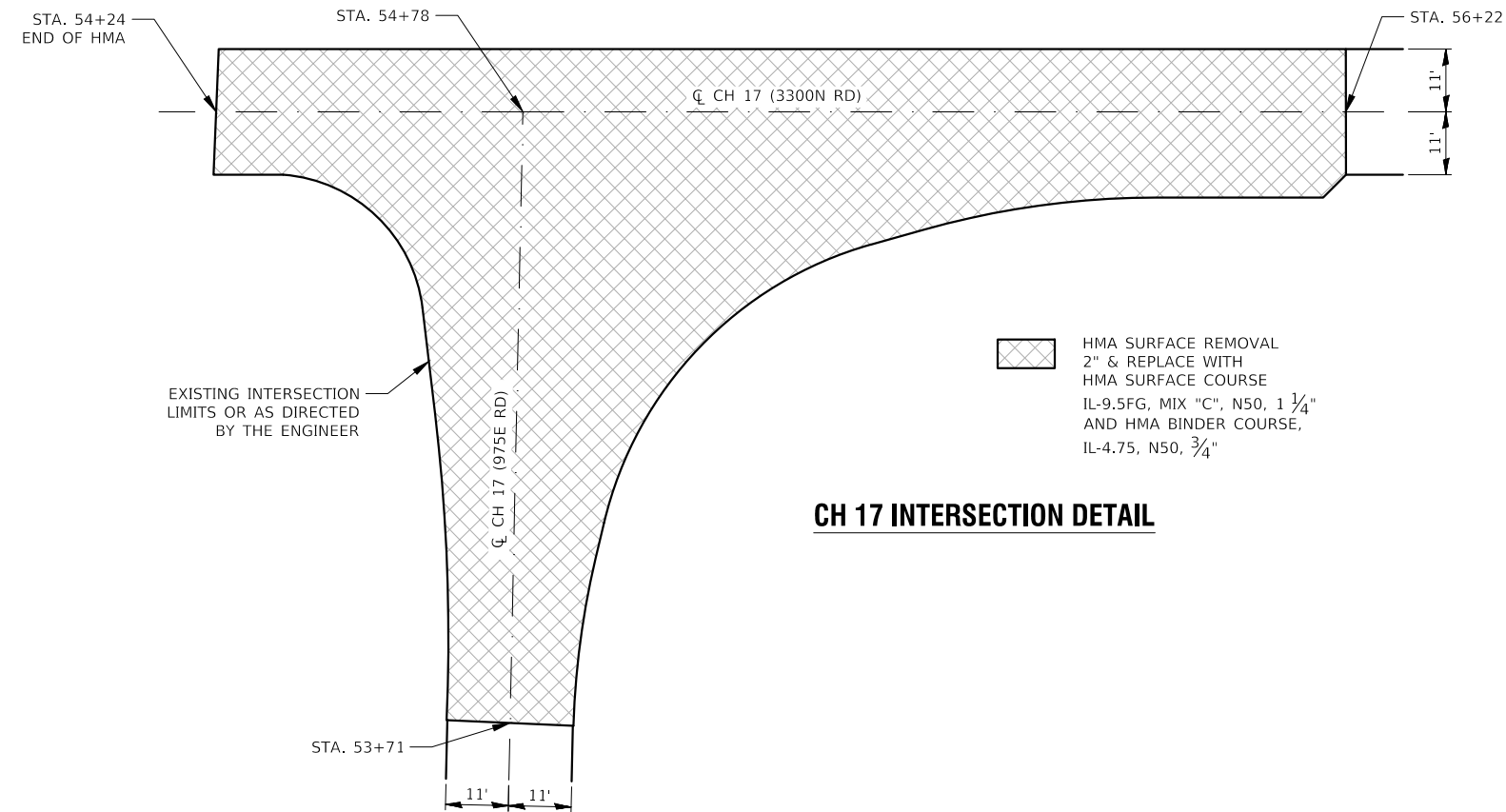
**LIVINGSTON COUNTY
HIGHWAY DEPARTMENT**

DETAILS

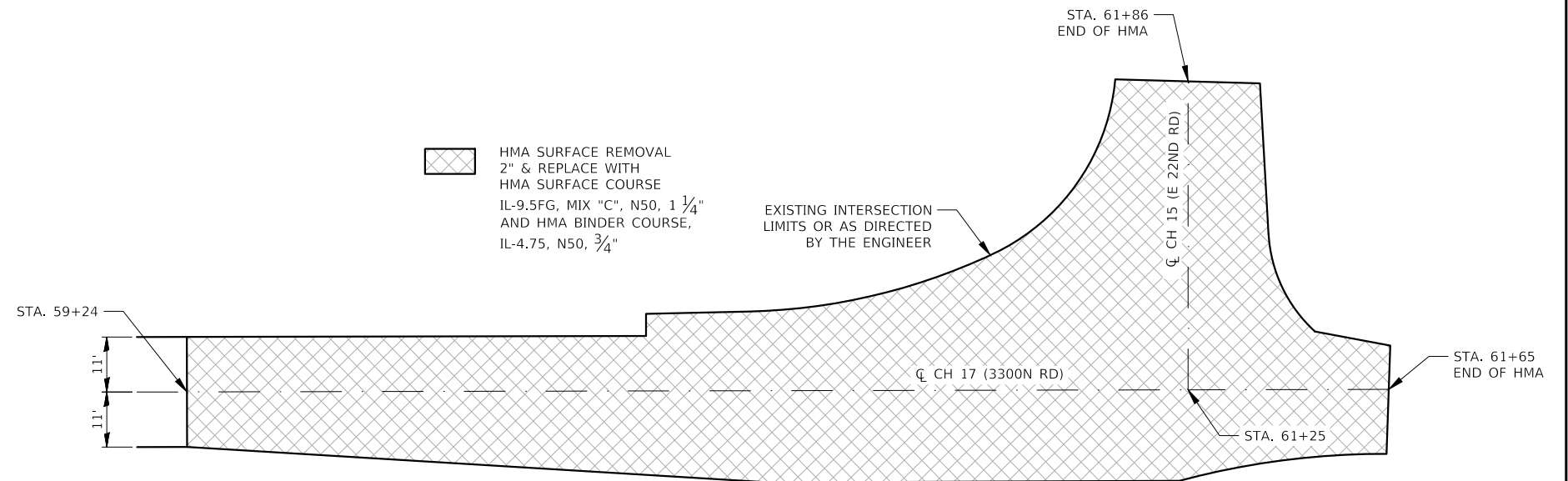
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F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	21-00229-00-RS	LIVINGSTON	16	10
CONTRACT NO. 87862				
ILLINOIS FED. AID PROJECT 6F75(291)				

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CH 17 INTERSECTION DETAIL



CH 17 INTERSECTION DETAIL

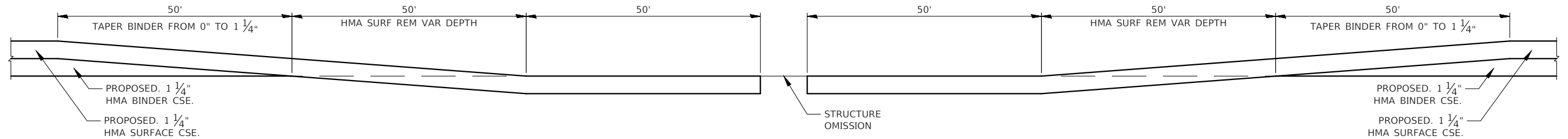
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PLOT DATE	= 04/12/2024	DATE	- Checked Date	REVISED -	Revised By4

**LIVINGSTON COUNTY
HIGHWAY DEPARTMENT**

**LOCATION 1 - CH 17
INTERSECTION DETAILS**

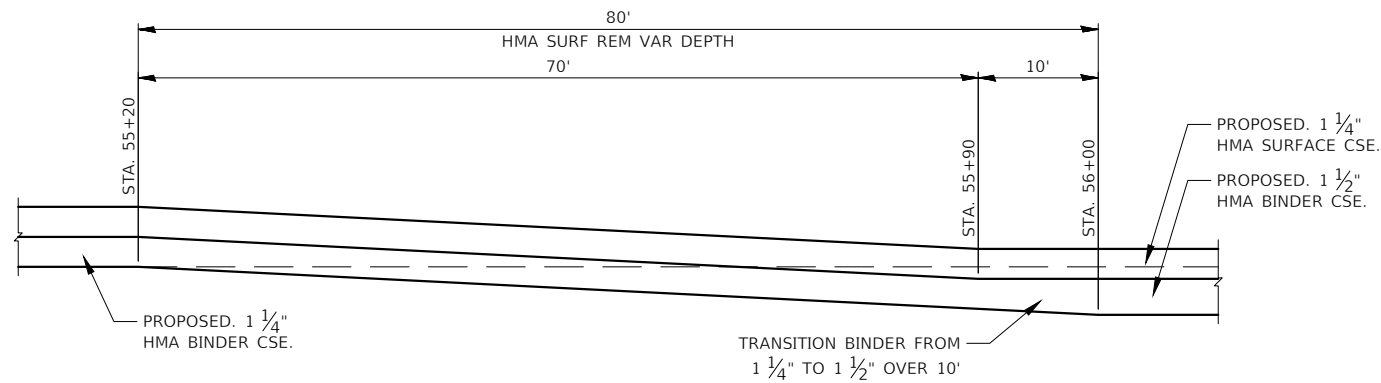
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F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 87862				
ILLINOIS FED. AID PROJECT 6F75(291)				



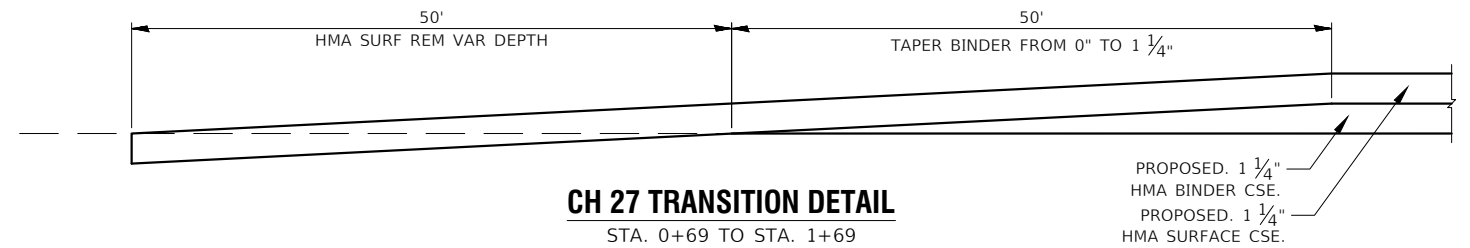
SN 053-0130 & SN 053-3442 TRANSITION DETAIL

STA. 10+03 TO STA. 15+88
STA. 26+27 TO STA. 32+23



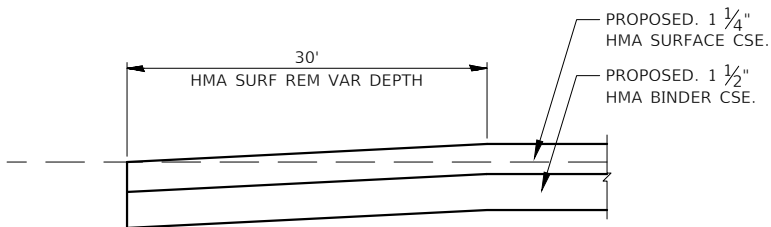
CH 27 TRANSITION DETAIL

STA. 55+20 TO STA. 56+00



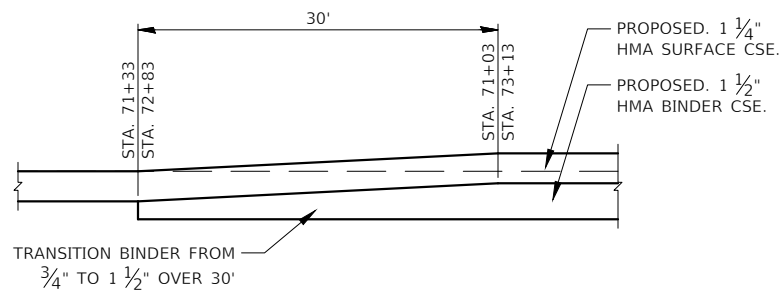
CH 27 TRANSITION DETAIL

STA. 0+69 TO STA. 1+69



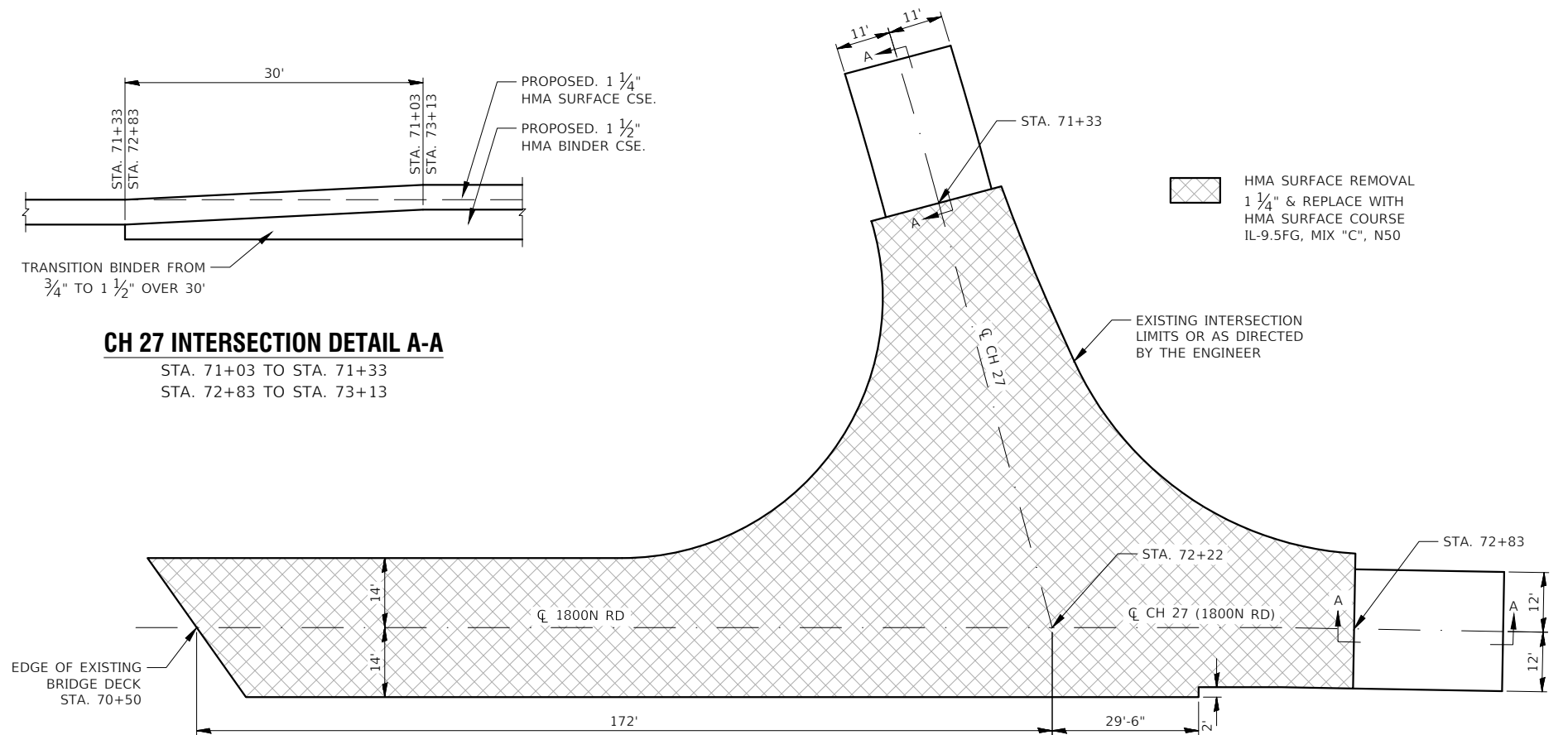
CH 27 TRANSITION DETAIL

STA. 121+84 TO STA. 122+14



CH 27 INTERSECTION DETAIL A-A

STA. 71+03 TO STA. 71+33
STA. 72+83 TO STA. 73+13



CH 27 INTERSECTION DETAIL

**LIVINGSTON COUNTY
HIGHWAY DEPARTMENT**

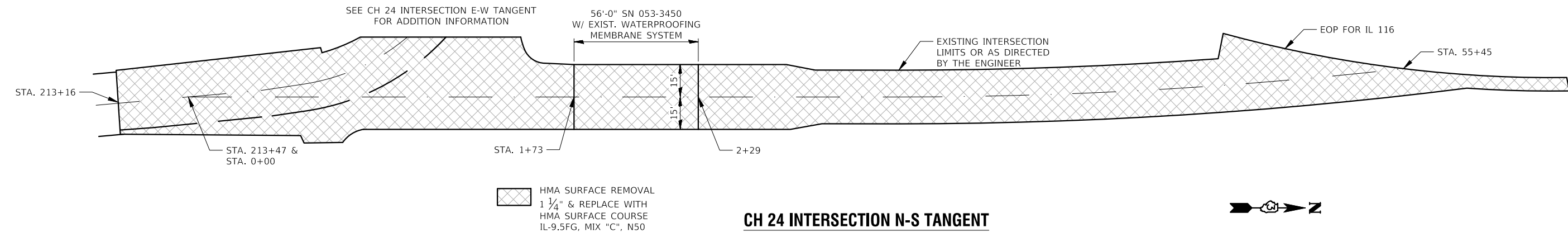
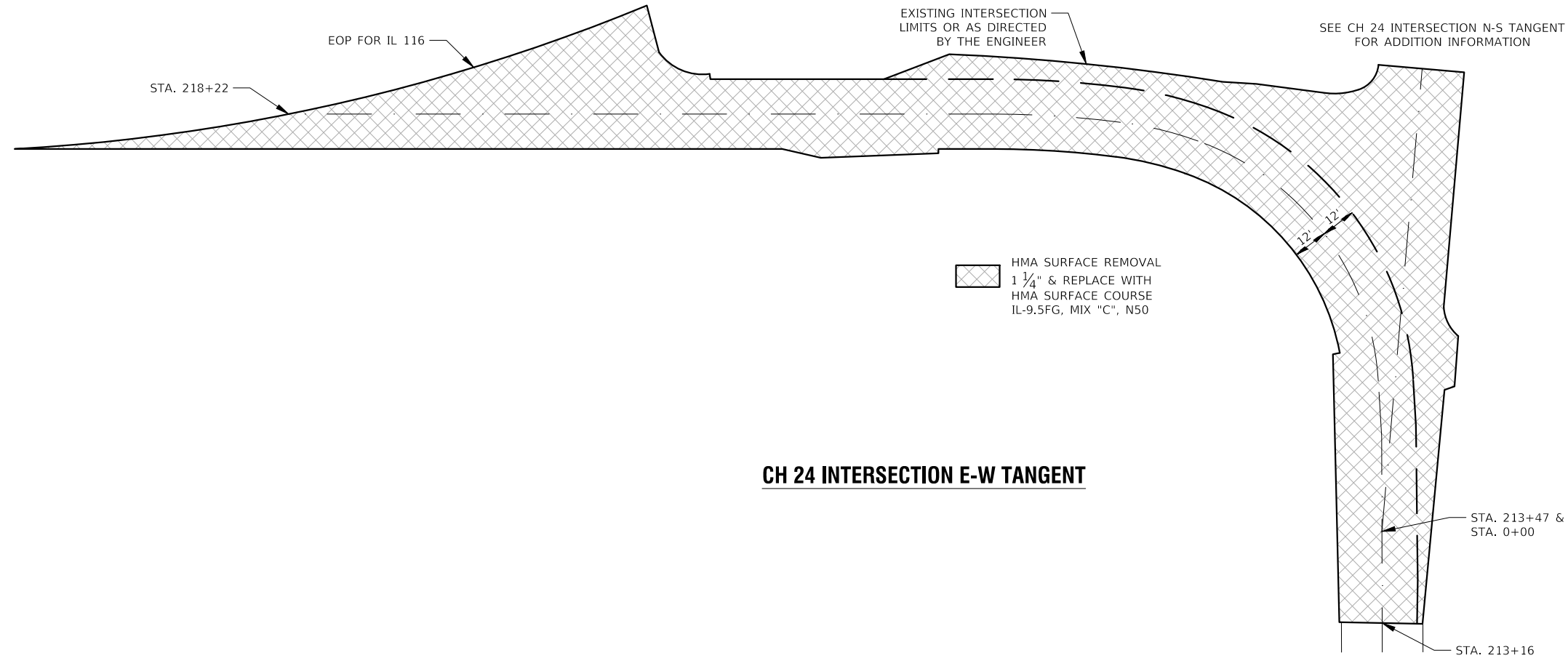
**LOCATION 3 - CH 27
DETAILS**

SCALE: VARIES SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	21-00229-00-R5	LIVINGSTON	16	12
CONTRACT NO. 87862				
ILLINOIS FED. AID PROJECT 6F75(291)				

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PLOT DATE	= 04/12/2024	DATE	- Checked Date	REVISED -	Revised By4



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USER NAME	= Trent Ruestman	DESIGNED -	Designed By	REVISED -	Revised By1
DRAWN	- Drawn By	REVISED -	Revised By2	REVISED -	Revised By3
PLOT SCALE	= ###	CHECKED -	Checked By	REVISED -	Revised By4
PLOT DATE	= 04/12/2024	DATE	- Checked Date	REVISED -	Revised By4

LIVINGSTON COUNTY
HIGHWAY DEPARTMENT

LOCATION 4 - CH 24
INTERSECTION DETAILS

SCALE: 1/4" = 1' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	21-00229-00-R5	LIVINGSTON	16	13
CONTRACT NO. 87862				
ILLINOIS FED. AID PROJECT 6F75(291)				

MODEL: Z:\COWork\ROAD Projects\00229RS-Various-2025\Planning\21-00229-00-RS-Plans.dwg
FILE NAME: Z:\COWork\ROAD Projects\00229RS-Various-2025\Planning\21-00229-00-RS-Plans.dwg

LOCATION 1 - CH 17 SCHEDULE OF RESURFACING QUANTITIES											
LOCATION	LENGTH	WIDTH	HMA SURF REM VAR DP	HMA SURF REM 2	SHORT TERM PAVT MKING	SHRT TRM PAVT MK REM	BIT MATLS TACK CT	P HMA BC IL-4.75 N50	HMA SC IL-9.5FG "C" N50	INCIDENTAL HMA SURF	AGG WDGE SHLD TYPE B
STATION	(FOOT)	(FOOT)	(SQ YD)	(SQ YD)	(FOOT)	(SQ FT)	(POUND)	(TON)	(TON)	(TON)	(TON)
MAINLINE											
(5 Apps.) (1 App.)											
0+11. TO 1+23. (INTERSECTION)	112	VARIES	-	620	55	4	419	26	43	-	6
1+23. TO 26+16.	2493	22	-	6186	1245	83	4,176	260	427	-	126
26+16. TO 26+26. (RAILROAD OMISSION)	10	-	-	-	-	-	-	-	-	-	-
26+26. TO 53+71.	2745	22	-	6812	1375	92	4,598	286	470	-	139
53+71. TO 56+22. (INTERSECTION)	251	VARIES	-	995	125	8	672	42	70	-	13
56+22. TO 59+24.	302	22	-	749	150	10	506	31	52	-	15
59+24. TO 61+86. (INTERSECTION)	262	VARIES	-	1,024	130	9	691	43	72	-	13
MAINLINE QUANTITIES	6,175	-	0	16,386	3,080	206	11,062	688	1,133	0	312
MISCELLANEOUS											
PRIVATE & COMMERCIAL ENTRANCES	-	-	231	-	-	-	217	6	8	24	-
TOTALS OF MAINLINE & MISC.	6,175	-	231	16,386	3,080	206	11,279	694	1,141	24	312

LOCATION 1 - CH 17 ENTRANCE QUANTITIES									
HOUSE # / STATION	A	B	C	D	HMA SURF REM VAR DP	BIT MATLS TACK CT	P HMA BC IL-4.75 N50	HMA SC IL-9.5FG "C" N50	INCIDENTAL HMA SURF
	(FT)	(FT)	(FT)	(FT)	(SQ YD)	(POUND)	(TON)	(TON)	(TON)
32074N RT	28	24	13	11	34	18	1	1	2
32074N Rt	38	30	-	-	15	10	1	1	1
32527N LT	63	59	32	18	-	59	1	2	7
32527N LT	46	42	15	18	-	39	1	1	4
32527N LT	97	89	80	15	182	91	2	3	10
TOTALS					231	217	6	8	24

LOCATION 2 - CH 13 SCHEDULE OF RESURFACING QUANTITIES													
LOCATION	LENGTH	WIDTH	HMA SURF REM VAR DP	HMA SURF REM 2	SHORT TERM PAVT MKING	SHRT TRM PAVT MK REM	BIT MATLS TACK CT	P HMA BC IL-4.75 N50	HMA BC IL-9.5FG N50	HMA SC IL-9.5FG "C" N50	INCIDENTAL HMA SURF	AGG WDGE SHLD TYPE B	
STATION	(FOOT)	(FOOT)	(SQ YD)	(SQ YD)	(FOOT)	(SQ FT)	(POUND)	(TON)	(TON)	(TON)	(TON)	(TON)	
MAINLINE													
(5 Apps.) (1 App.)													
10+39. TO 11+92. (INTERSECTION)	153	VARIES	-	737	75	5	497	31	-	52	-	15	
11+92. TO 12+42. (TAPER)	50	24	-	135	35	2	122	6	5	9	-	7	
12+42. TO 26+50.	1408	24	-	3807	987	47	3,426	160	266	266	-	232	
26+50. TO 27+00. (TAPER)	50	24	-	135	35	2	122	6	5	9	-	11	
27+00. TO 27+62.	62	24	-	168	30	2	113	7	-	12	-	-	
27+62. TO 31+82. (EXTRA WIDTH)	420	42	-	1976	210	14	1,334	83	-	138	-	-	
31+82. TO 32+22.	40	24	-	108	20	1	73	5	-	8	-	-	
32+22. TO 35+27. (EXTRA WIDTH)	305	60	-	2045	155	10	1,380	86	-	143	-	-	
35+27. TO 41+00.	573	24	-	1549	285	19	1,046	65	-	108	-	-	
MAINLINE QUANTITIES	3,061	-	0	10,660	1,832	102	8,113	448	276	746	0	265	
MISCELLANEOUS													
PRIVATE & COMMERCIAL ENTRANCES	-	-	92	-	-	-	167	6	-	7	20	-	
SIDEROAD INTERSECTIONS	-	-	791	-	-	-	386	6	-	10	49	-	
TOTALS OF MAINLINE & MISC.	3,061	-	883	10,660	1,832	102	8,666	460	276	763	69	265	

LOCATION 2 - CH 13 INTERSECTION QUANTITIES									
LOCATION	A	B	C	D	HMA SURF REM VAR DP	BIT MATLS TACK CT	P HMA BC IL-4.75 N50	HMA SC IL-9.5FG "C" N50	INCIDENTAL HMA SURF
	(FT)	(FT)	(FT)	(FT)	(SQ YD)	(POUND)	(TON)	(TON)	(TON)
CHURCH ST LT	64	56	28	20	120	60	1	2	7
MADISON ST LT	62	54	24	30	156	76	1	2	10
GERTRUDE ST RT	40	32	12	18	60	31	1	1	4
LYDIA ST RT	64	56	23	37	189	91	1	2	12
JEFFERSON ST LT	90	82	35	35	266	128	2	3	16
					791	386	6	10	49

LOCATION 2 - CH 13 ENTRANCE QUANTITIES									
HOUSE # / STATION	A	B	C	D	HMA SURF REM VAR DP	BIT MATLS TACK CT	P HMA BC IL-4.75 N50	HMA SC IL-9.5FG "C" N50	INCIDENTAL HMA SURF
	(FT)	(FT)	(FT)	(FT)	(SQ YD)	(POUND)	(TON)	(TON)	(TON)
101 LT	30	22	12	18	-	23	1	1	3
103 LT	30	22	12	18	-	23	1	1	3
105 LT	30	22	12	18	-	23	1	1	3
107 LT	80	72	25	12	-	52	1	2	5
17646N RT - 1	30	22	12	18	46	23	1	1	3
17646N RT - 2	30	22	12	18	46	23	1	1	3
TOTALS					92	167	6	7	20

USER NAME = Trent Ruestman	DESIGNED -	Designed By	REVISED -	Revised By1	LIVINGSTON COUNTY HIGHWAY DEPARTMENT	SCHEDULES				F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	Drawn By	REVISED -	Revised By2						VAR.	21-00229-00-R5	LIVINGSTON	16	14
	PLOT SCALE = ###	CHECKED -	Checked By	REVISED -	Revised By3	SCALE:				SHEET 1 OF 3 SHEETS STA. TO STA.				
	PLOT DATE = 04/12/2024	DATE -	Checked Date	REVISED -	Revised By4					ILLINOIS FED. AID PROJECT 6F75(291)				

MODEL: Z:\COWork\ROAD Projects\0022985-Various-2025\Planning\21-00229-00-RS-Plans.dwg
FILE NAME: Z:\COWork\ROAD Projects\0022985-Various-2025\Planning\21-00229-00-RS-Plans.dwg

LOCATION 3 - CH 27 ENTRANCE QUANTITIES									
HOUSE # / STATION	A	B	C	D	HMA SURF REM VAR DP	BIT MATLS TACK CT	HMA BC IL-9.5FG N50	HMA SC IL-9.5FG "C" N50	INCIDENTAL HMA SURF
	(FT)	(FT)	(FT)	(FT)	(SQ YD)	(POUND)	(TON)	(TON)	(TON)
13046E RT	50	48	15	19	-	40	-	-	13
13046E MBTO LT	72	20	-	-	-	9	-	-	3
13095E LT - 1	24	16	13	18	-	17	-	-	6
*13095E LT - 2	42	38	15	18	-	37	-	-	12
PARKING LOT RT	47	39	23	18	-	37	-	-	12
18663N RT	58	50	19	18	8	42	-	-	14
18534N LT - 1	52	44	20	18	-	43	1	1	9
18534N LT - 2	40	32	20	18	-	34	1	1	8
18399N RT - 1	80	72	52	7	23	45	2	2	7
18399N RT - 2	49	41	28	18	-	45	1	1	10
18142N LT - 1	61	53	23	18	-	51	2	2	6
*18259N RT	25	15	12	18	28	27	2	2	2
18259N RT - 2	35	27	15	6	20	16	1	1	1
18142N LT - 3	48	40	19	18	28	40	1	1	5
18138N LT	81	73	40	18	52	74	2	2	8
**18085N RT	42	30	14	18	6	46	-	-	8
**1616 RT	46	29	29	33	13	72	-	-	12
1612 RT	38	29	11	33	5	48	-	-	8
1608 RT	35	26	11	33	-	45	-	-	7
**1604 RT	40	20	13	33	-	58	-	-	9
CAT GATE 4 RT	83	75	54	18	59	82	2	2	10
SOLAR FARM LT	88	80	35	24	53	94	3	3	11
CAT GATE 3 RT	87	79	37	28	53	106	3	3	13
1409-1401 LT	370	370	134		60	148	-	-	24
1305-1309 LT		40	19	8	35	16	-	-	3
CAT GATE 2 RT	118	110	77	4	92	42	-	-	7
1212-1202 RT		680	380	8	471	212	-	-	33
1211 LT	88	80	50	9	102	54	3	3	5
1209 LT	37	29	22	15	24	29	1	1	3
1207 LT	42	34	12	15	-	29	1	1	3
**1201 LT	55	42	37	13	128	58	-	-	9
CAT GATE 1 RT -1	50	42	24	14	72	32	-	-	6
CAT GATE 1 RT -2	50	42	31	14	77	35	-	-	6
					1,409	1,763	26	26	293

* DIMENSIONS ARE TO THE CL OF MAILBOX. QUANTITIES INCLUDE THE MBTO.
** MBTO GREATER THAN 4' FROM EOP. APPROACH LENGTH IS 8:1 AND DEPARTURE LENGTH IS 5:1

LOCATION 3 - CH 27 INTERSECTION QUANTITIES									
LOCATION	A	B	C	D	HMA SURF REM VAR DP	BIT MATLS TACK CT	HMA BC IL-9.5FG N50	HMA SC IL-9.5FG "C" N50	INCIDENTAL HMA SURF
	(FT)	(FT)	(FT)	(FT)	(SQ YD)	(POUND)	(TON)	(TON)	(TON)
1330E LT	100	92	22	63	10	199	-	-	62
MOTOROLA DR	88	80	36	40	295	133	-	-	21
VERMILLION ESTS	78	70	44	18	52	74	2	2	8
					357	406	2	2	91

LOCATION 4 - CH 24 ENTRANCE QUANTITIES									
HOUSE # / STATION	A	B	C	D	HMA SURF REM 2	BIT MATLS TACK CT	HMA BC IL-9.5FG N50	HMA SC IL-9.5FG "C" N50	INCIDENTAL HMA SURF
	(FT)	(FT)	(FT)	(FT)	(SQ YD)	(POUND)	(TON)	(TON)	(TON)
*16924N RT	33	30	-	-	-	15	2	2	-
*16968N RT	55	34	29	1	37	25	3	3	-
17067N LT	-	42	42	1	5	3	1	1	-
17088N-17171N RT	-	265	265	1	29	20	2	2	-
*17200N RT	45	35	25	11	66	36	2	2	3
17411N-17447N LT	-	88	88	6	59	26	-	-	5
					196	125	10	10	8

* DIMENSIONS ARE TO THE CL OF MAILBOX. QUANTITIES INCLUDE THE MBTO.
** MBTO GREATER THAN 4' FROM EOP. APPROACH LENGTH IS 8:1 AND DEPARTURE LENGTH IS 5:1

LOCATION 4 - CH 24 INTERSECTION QUANTITIES									
LOCATION	A	B	C	D	HMA SURF REM 2	BIT MATLS TACK CT	HMA BC IL-9.5FG N50	HMA SC IL-9.5FG "C" N50	INCIDENTAL HMA SURF
	(FT)	(FT)	(FT)	(FT)	(SQ YD)	(POUND)	(TON)	(TON)	(TON)
1700N RT	-	90	22	30	187	126	-	-	14
1710N RT	-	93	22	48	307	138	-	-	22
1710N LT	-	61	17	42	182	82	-	-	13
BELLA FIORE LN	-	67	34	17	95	43	-	-	7
					771	389	0	0	56

THERMOPLASTIC PAVEMENT MARKINGS				
LOCATION	LETTERS & SYMBOLS			LINE 24"
STATION TO STATION	X (20')	R (6')	ARROW	
LOCATION 1 - CH 17 22+92 RR X-ING SYMBOL	54.00	7.20		22
LOCATION 1 - CH 17 25+97 RR X-ING STOP				11
LOCATION 1 - CH 17 26+45 RR X-ING STOP				11
LOCATION 1 - CH 17 29+48 RR X-ING SYMBOL	54.00	7.20		22
LOCATION 2 - CH 13 10+35 STOP BAR				31
LOCATION 3 - CH 27 71+57 STOP BAR				12
LOCATION 3 - CH 27 71+72 STOP BAR				12
LOCATION 3 - CH 27 72+74 STOP BAR				12
LOCATION 3 - CH 27 120+97 LT ARROW			15.60	
LOCATION 3 - CH 27 120+97 RT ARROW			15.60	
LOCATION 3 - CH 27 121+90 LT ARROW			15.60	
LOCATION 3 - CH 27 121+90 RT ARROW			15.60	
LOCATION 4 - CH 24 216+76 STOP BAR				12
LOCATION 4 - CH 24 1+59 STOP BAR				12
LOCATION 4 - CH 24 4+86 STOP BAR				12
TOTALS	108.00	14.40	62.40	169.00
TOTAL PAY QTY. LETTERS & SYMBOLS		184.80	SQ FT	
TOTAL PAY QTY. LINE - 24"		169.00	FOOT	

LOCATION 1 - CH 17 SCHEDULE OF PAINT PAVEMENT MARK 4"					
LOCATION		YELLOW		WHITE	
		NPZ	SKIP	EDGE LINE	
STATION TO STATION		NBL	SBL	℄	NBL/WBL SBL/EBL
0+11. TO	18+66.			460	1,855 1,855
18+66. TO	26+16.	750		190	750 750
26+16. TO	26+26.				10 10
26+26. TO	33+70.		744	190	744 744
33+70. TO	61+86.			700	2,816 2,816
TOTALS		750	744	1,540	6,175 6,175
TOTAL PAY QUANTITY		15,384		FOOT	

LOCATION 2 - CH 13 SCHEDULE OF PAINT PAVEMENT MARK 4"					
LOCATION		YELLOW		WHITE	
		NPZ	SKIP	EDGE LINE	
STATION TO STATION		NBL	SBL	℄	NBL/WBL SBL/EBL
10+39. TO	41+00.			770	3,061 3,061
TOTALS		0	0	770	3,061 3,061
TOTAL PAY QUANTITY		6,892		FOOT	

LOCATION 3 - CH 27 SCHEDULE OF PAINT PAVEMENT MARK 4"					
LOCATION		YELLOW		WHITE	
		NPZ	SKIP	EDGE LINE	
STATION TO STATION		NBL/WBL	SBL/EBL	℄	NBL/WBL SBL/EBL
0+69. TO	1+28.			10	59 59
1+28. TO	11+53.		1,025	260	1,025 1,025
11+53. TO	39+30.	2,777	2,777	*	2,777 2,777
39+30. TO	46+20.	690		170	690 690
46+20. TO	49+48.	328	328	*	328 328
49+48. TO	53+29.		381	100	381 381
53+29. TO	71+59.	1,830	1,830	*	1,830 1,830
70+50. TO	71+71.	121	121	*	121 121
72+73. TO	113+22.			1,010	4,049 4,049
113+22. TO	118+46.			130	524 699*
113+22. TO	122+14.	892	892	*	892 1784**
TOTALS		6,638	7,354	1,680	12,676 13,743
TOTAL PAY QUANTITY		42,091		FOOT	

* INCLUDES WHITE EDGE LINE AND 2' LINE BY 4' SKIP FOR TURN LANE
** INCLUDES WHITE EDGE LINE AND TURN LANE DIVIDING LINE

** INCLUDES WHITE EDGE LINE AND TURN LANE DIVIDING LINE

LOCATION 4 - CH 24 SCHEDULE OF PAINT PAVEMENT MARK 4"					
LOCATION		YELLOW		WHITE	
		NPZ	SKIP	EDGE LINE	
STATION TO STATION		NBL	SBL	℄	NBL/WBL SBL/EBL
179+26. TO	183+43.			100	417 417
183+43. TO	216+77.	3,334	3,334	*	3,334 3,334
1+58. TO	5+45.			100	387 387

LIVINGSTON COUNTY HIGHWAY DEPARTMENT	USER NAME = Trent Ruestman		DESIGNED - Designed By	REVISED - Revised By1	SCHEDULES	SCALE:	SHEET 2	OF 3	SHEETS	STA.	TO STA.	F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - Drawn By		REVISIED - Revised By2	REVISIED - Revised By2								VAR.	21-00229-00-R5	LIVINGSTON	16	15
	PLOT SCALE = ###		CHECKED - Checked By	REVISIED - Revised By3								CONTRACT NO. 87862				
	PLOT DATE = 04/12/2024		DATE - Checked Date	REVISIED - Revised By4								ILLINOIS FED. AID PROJECT 6F75(291)				

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LOCATION 3 - CH 27 SCHEDULE OF RESURFACING QUANTITIES															
LOCATION				LENGTH	WIDTH	HMA SURF REM VAR DP	HMA SURF REM 1-1/4"	HMA SURF REM 2	SHORT TERM PAVT MKING	SHRT TRM PAVT MK REM	BIT MATLS TACK CT	HMA BC IL-9.5FG N50	HMA SC IL-9.5FG "C" N50	INCIDENTAL HMA SURF	AGG WDGE SHLD TYPE B
STATION				(FOOT)	(FOOT)	(SQ YD)	(SQ YD)	(SQ YD)	(FOOT)	(SQ FT)	(POUND)	(TON)	(TON)	(TON)	(TON)
MAINLINE									(5 Apps.)	(1 App.)					
0+69.	TO	1+19.	(TAPER)	50	22	124	-	-	20	2	56	-	9	-	6
1+19.	TO	1+69.	(TAPER)	50	22	-	-	-	20	2	84	4	9	-	6
1+69.	TO	10+03.		834	22	-	-	-	332	28	1,397	145	143	-	106
10+03.	TO	10+53.	(TAPER)	50	22	-	-	-	20	2	84	4	9	-	6
10+53.	TO	11+03.	(TAPER)	50	22	124	-	-	20	2	56	-	9	-	6
11+03.	TO	11+53.		50	22	-	124	-	20	2	56	-	9	-	-
SN 053-3442 OMISSION				285	-	-	-	-	-	-	-	-	-	-	-
14+38.	TO	14+88.		50	22	-	124	-	20	2	56	-	9	-	-
14+88.	TO	15+38.	(TAPER)	50	22	124	-	-	20	2	56	-	9	-	6
15+38.	TO	15+88.	(TAPER)	50	22	-	-	-	20	2	84	4	9	-	6
15+88.	TO	26+27.		1039	22	-	-	-	416	35	1,740	180	178	-	131
26+27.	TO	26+77.	(TAPER)	50	22	-	-	-	20	2	84	4	9	-	6
26+77.	TO	27+27.	(TAPER)	50	22	124	-	-	20	2	56	-	9	-	6
27+27.	TO	27+77.		50	22	-	124	-	20	2	56	-	9	-	-
SN 053-0130 OMISSION				296	-	-	-	-	-	-	-	-	-	-	-
30+73.		31+23.		50	22	-	124	-	20	2	56	-	9	-	-
31+23.	TO	31+73.	(TAPER)	50	22	124	-	-	20	2	56	-	9	-	6
31+73.	TO	32+23.	(TAPER)	50	22	-	-	-	20	2	84	4	9	-	6
32+23.	TO	55+20.		2297	22	-	-	-	920	77	3,847	399	393	-	291
55+20.	TO	55+90.	(TAPER)	70	22	174	-	-	35	2	117	12	12	-	6
55+90.	TO	56+00.	(TAPER)	10	22	25	-	-	5	-	17	2	2	-	0
56+00.	TO	62+35.		635	22	-	-	1,576	320	21	1,064	132	109	-	24
62+35.	TO	71+03.		868	24	-	-	2,347	435	29	1,584	197	162	-	33
71+03.	TO	71+33.	(TAPER)	30	24	-	-	81	15	1	55	5	6	-	1
71+33.	TO	72+83.	(INTERSECTION)	150	VARIES	-	1146	-	45	5	516	-	80	-	-
72+83.	TO	73+13.	(TAPER)	30	24	-	-	81	15	1	55	5	6	-	1
73+13.	TO	113+22.		4009	24	-	-	10,839	2005	134	7,316	910	748	-	152
113+22.	TO	119+95.		673	36	-	-	2,717	335	22	1,834	228	188	-	26
119+95.	TO	121+84.		189	42	-	-	889	95	6	600	75	62	-	7
121+84.	TO	122+14.	(TAPER)	30	42	141	-	-	15	1	95	12	10	-	1
MAINLINE QUANTITIES				12,145	-	960	1,642	18,530	5,268	390	21,161	2,325	2,217	0	839
MISCELLANEOUS															
PRIVATE & COMMERCIAL ENTRANCES				-	-	1,409	-	-	-	-	1763	26	26	293	-
SIDEROAD INTERSECTIONS				-	-	357	-	-	-	-	406	2	2	91	-
TOTALS OF MAINLINE & MISC.				12,145	-	2,726	1,642	18,530	5,268	390	23,330	2,353	2,245	384	839

LOCATION 4 - CH 24 SCHEDULE OF RESURFACING QUANTITIES															
LOCATION			LENGTH	WIDTH	HMA SURF REM VAR DP	HMA SURF REM 1-1/4"	HMA SURF REM 2	SHORT TERM PAVT MKING	SHRT TRM PAVT MK REM	BIT MATLS TACK CT	HMA BC IL-9.5FG N50	HMA SC IL-9.5FG "C" N50	INCIDENTAL HMA SURF	AGG WDGE SHLD TYPE B	
STATION			(FOOT)	(FOOT)	(SQ YD)	(SQ YD)	(SQ YD)	(FOOT)	(SQ FT)	(POUND)	(TON)	(TON)	(TON)	(TON)	
MAINLINE			(4 Apps.)					(1 App.)							
179+26.	TO	179+46.	(TAPER)	20	22	-	-	50	8	1	34	3	3	-	1
179+46.	TO	183+56.		410	22	-	-	1,017	164	14	687	71	70	-	16
183+56.	TO	212+96.		2940	28	-	-	9,256	1176	98	6,248	648	640	-	112
212+96.	TO	213+16.	(TAPER)	20	28	-	-	63	8	1	43	4	4	-	1
213+16.	TO	218+22.	(INTERSECTION)	506	VARIES	-	3247	-	153	17	1,461	-	227	-	19
MAINLINE QUANTITIES				3,896	-	0	3,247	10,386	1,509	131	8,473	725	945	0	149
MISCELLANEOUS															
PRIVATE & COMMERCIAL ENTRANCES				-	-	-	-	196	-	-	125	10	10	8	-
SIDEROAD INTERSECTIONS				-	-	-	-	771	-	-	389	0	0	56	-
TOTALS OF MAINLINE & MISC.				3,896	-	0	3,247	11,353	1,509	131	8,987	735	955	64	149

USER NAME = Trent Ruestman	DESIGNED - Designed By	REVISED - Revised By1
	DRAWN - Drawn By	REVISED - Revised By2
PLOT SCALE = ###	CHECKED - Checked By	REVISED - Revised By3
PLOT DATE = 04/12/2024	DATE - Checked Date	REVISED - Revised By4

LIVINGSTON COUNTY
HIGHWAY DEPARTMENT

SCHEDULES

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	21-00229-00-R5	LIVINGSTON	16	16
		CONTRACT NO. 87862		
		ILLINOIS	FED. AID PROJECT 6F75(291)	