

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

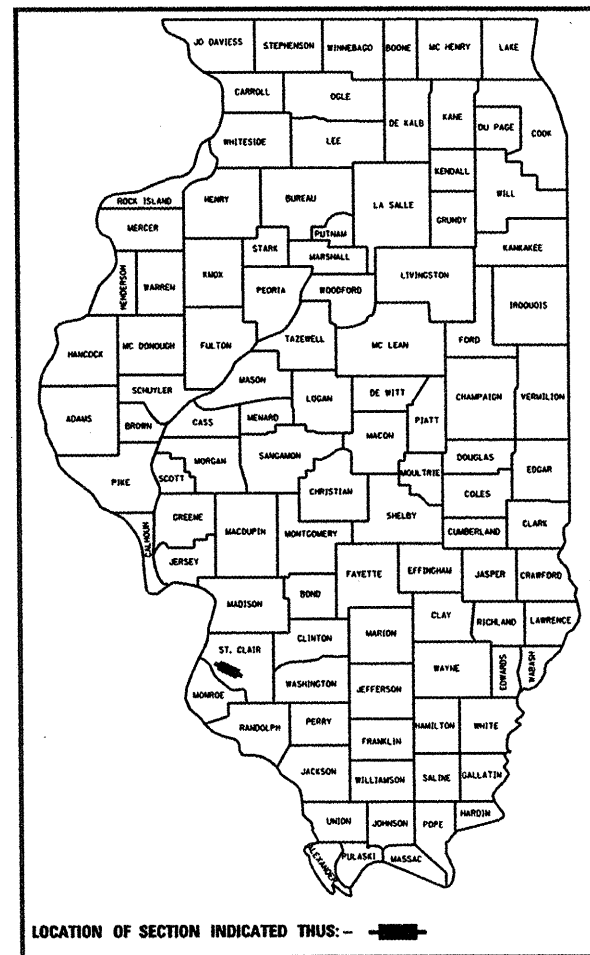
FAP ROUTE 805 (IL 161)
SECTION 146RS-3
RESURFACING
ST CLAIR COUNTY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-3	ST. CLAIR	21	1
ILLINOIS			CONTRACT NO. 76D57	

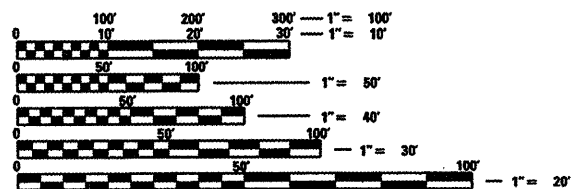
* 21 + 1 = 22

D-98-022-10

FOR INDEX OF SHEETS, SEE SHEET NO. 2



ADT	
ADT:	16300 (2010)
ADT:	19900 (2030)
SU:	2.4%
MU:	2.1%



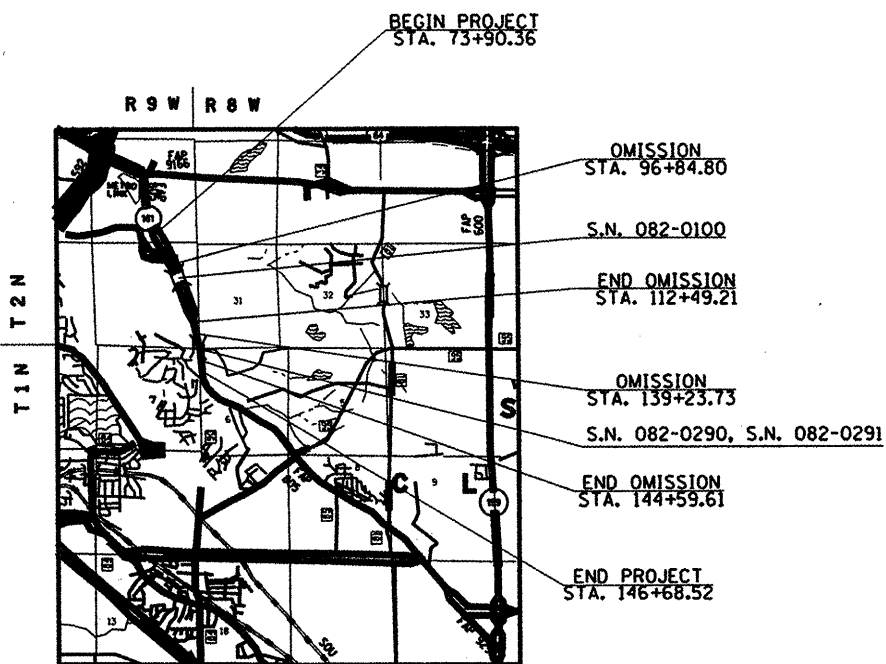
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER PATTI LEBEAU (618)-346-3179
PROJECT MANAGER ARTHUR MUEHLFELD (618)-346-3209

CONTRACT NO. 76D57

C-98-035-10



SCALE: 1" = 1 MILE

LATITUDE/LONGITUDE
START: 38.5859 / -90.0416
END: 38.5669 / -90.0353

GROSS LENGTH = 6778.16 FT. = 1.284 MILE
NET LENGTH = 4677.87 FT. = 0.886 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 16, 2010
My C. Ramis
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

May 7, 2010
Scott E. Stitt, P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

May 7, 2010
Christine M. Roedel
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS
- 3 SUMMARY OF QUANTITIES
- 4-7 TYPICAL SECTIONS
- * 8 SCHEDULE OF QUANTITIES
- 9-13 PLAN SHEETS
- 14-18 PAVEMENT MARKING DETAILS
- 19-21 SPECIAL DETAILS

* 8A INCLUDED

HIGHWAY STANDARDS

- 000001-05
- 001006
- 482001-02
- 482006-03
- 606301-04
- 610001-04
- 630001-08
- 630301-05
- 701421-02
- 701901-01
- 780001-02
- 781001-03
- 701401-05

GENERAL NOTES

1. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

- AMEREN IP (GAS AND ELECTRIC)
- AMEREN UE (GAS AND ELECTRIC)
- AT&T ILLINOIS (COMMUNICATIONS)
- CHARTER COMMUNICATIONS, INC. (CABLE T.V.)
- ILLINOIS AMERICAN WATER COMPANY (WATER)
- METRO (COMMUNICATIONS)
- STOOKEY TOWNSHIP (SANITARY SEWER)

MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY *. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

- 2. THE THICKNESS OF HOT-MIX ASPHALT SURFACE MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- 3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- 4. THE WIDTHS OF HMA SURFACE REMOVAL SHOWN ON THE PLANS ARE THE NOMINAL WIDTHS. IRREGULARITIES IN THE SURFACE WIDTH MAY OCCUR THROUGHOUT THE LENGTH OF THE SECTION. HMA SURFACE REMOVAL WILL BE PAID FOR IN SQUARE YARDS BASED UPON THE NOMINAL WIDTHS INDICATED.
- 5. NO OVERNIGHT CLOSURES WILL BE PERMITTED
- 6. FLAGGERS SHALL BE REQUIRED AT ALL TIMES DURING PATCHING OPERATIONS
- 7. THE RESIDENT ENGINEER SHALL VERIFY THE EXISTANCE OF HIGHWAY LIGHTING AND/OR ITS EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. IF LOCATING UNDERGROUND CABLE IS NOT INCLUDED AS PART OF THE PLANS, THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- 8. PROPOSED PAVEMENT MARKING SHALL MATCH EXISTING AS DIRECTED BY THE RESIDENT ENGINEER
- 9. SHORT TERM PAVEMENT MARKINGS SHALL BE APPLIED TO MILLED SURFACE, PRIMED SURFACE, LEVELING BINDER, AND FINAL SURFACE. ONLY REMOVAL FROM FINAL SURFACE TO BE PAID AS WORK ZONE PAVEMENT MARKING REMOVAL.

COMMITMENTS

NONE

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - ---	REVISED - ---			805	146RS-3	ST. CLAIR	21	2	
		CHECKED - ---	REVISED - ---			CONTRACT NO. 76D57					
		PLOT DATE = #DATE#	DATE - ---			ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES

100% STATE

100% STATE

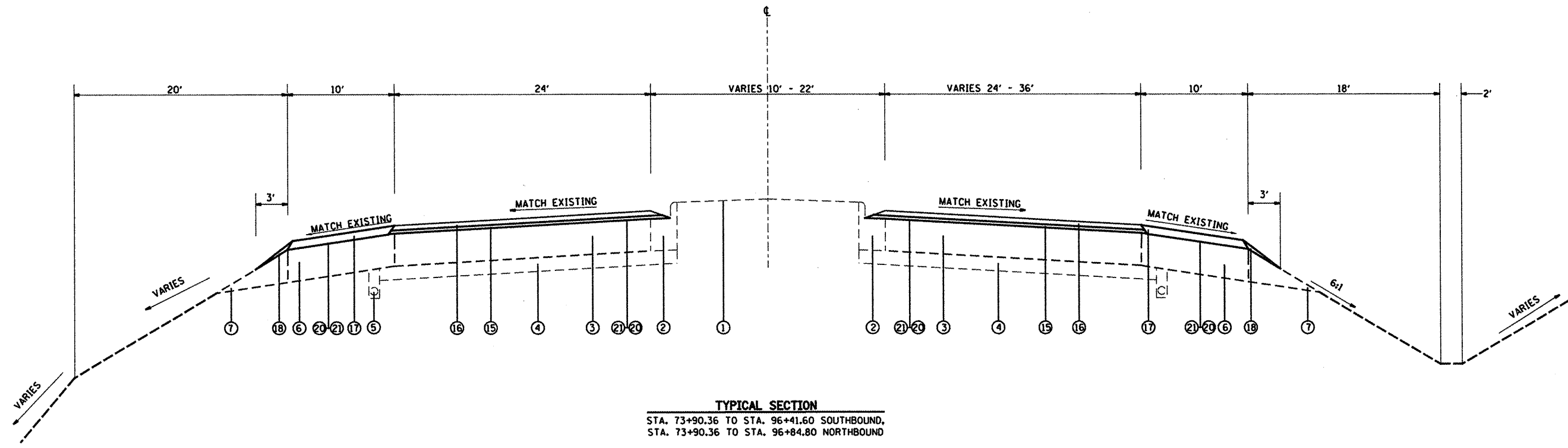
SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	1000	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	16	16	
40600300	AGGREGATE (PRIME COAT)	TON	77	77	
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	1474	1474	
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	391	391	
40600990	TEMPORARY RAMP	SQ YD	325	325	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	2564	2564	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	485	485	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	29465	29465	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	34	34	
44200120	PAVEMENT PATCHING, TYPE II, 10 INCH	SQ YD	610	610	
44200126	PAVEMENT PATCHING, TYPE IV, 10 INCH	SQ YD	447	447	
44200202	PAVEMENT PATCHING, TYPE II, 17 INCH	SQ YD	35	35	
44200206	PAVEMENT PATCHING, TYPE IV, 17 INCH	SQ YD	158	158	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	407	407	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	2237	2237	
60255500	MANHOLES TO BE ADJUSTED	EACH	4	4	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6, 24	FOOT	34	34	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1	
63200310	GUARDRAIL REMOVAL	FOOT	50	50	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3	
67100100	MOBILIZATION	L SUM	1	1	
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	4807	4807	
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	156	156	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	23807	23807	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	66	66	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	214	214	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	411	411	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	156	156	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	23807	23807	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	66	66	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	1000	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	214	214	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	239	239	
* 78200300	PRISMATIC CURB REFLECTOR	EACH	46	46	
* 78200530	BARRIER WALL MARKERS, TYPE C	EACH	29	29	
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	143	143	
* 7800200	PAINT PAVEMENT MARKING CURB	FOOT	661	661	

**Specialty Items*

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE. 805	SECTION 146RS-3	COUNTY ST. CLAIR	TOTAL SHEETS 21	SHEET NO. 3
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	PLOT SCALE = #SCALE#	CHECKED -	REVISED -							
	PLOT DATE = #DATE#	DATE -	REVISED -							
						SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____ FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CONTRACT NO. 76D57



TYPICAL SECTION
 STA. 73+90.36 TO STA. 96+41.60 SOUTHBOUND,
 STA. 73+90.36 TO STA. 96+84.80 NORTHBOUND

LEGEND

- ① EXISTING CONCRETE MEDIAN OR EARTH MEDIAN; SEE PLAN SHEETS FOR LOCATIONS
- ② EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ③ EXISTING STANDARD REINFORCED P.C.C PAVEMENT, 10"
- ④ EXISTING STABILIZED SUB-BASE 4"
- ⑤ EXISTING PIPE UNDERDRAIN 4"
- ⑥ EXISTING HOT-MIX ASPHALT SHOULDERS, VARIES 10-13"
- ⑦ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑧ EXISTING CONCRETE BARRIER
- ⑨ EXISTING HOT-MIX ASPHALT RESURFACING, 2 1/2"
- ⑩ EXISTING HOT-MIX ASPHALT BASE COURSE WIDENING, 11"
- ⑪ EXISTING HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 14"
- ⑫ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE C
- ⑬ EXISTING CONCRETE CURB (STA. 144+84.06 TO STA. 146+68.52)
- ⑭ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 3/4"
- ⑮ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 1"
- ⑯ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ⑰ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2 1/2"
- ⑱ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑲ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2 1/4"
- ⑳ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ㉑ PROPOSED AGGREGATE (PRIME COAT)
- ㉒ EXISTING GUARDRAIL

MIXTURE CHART

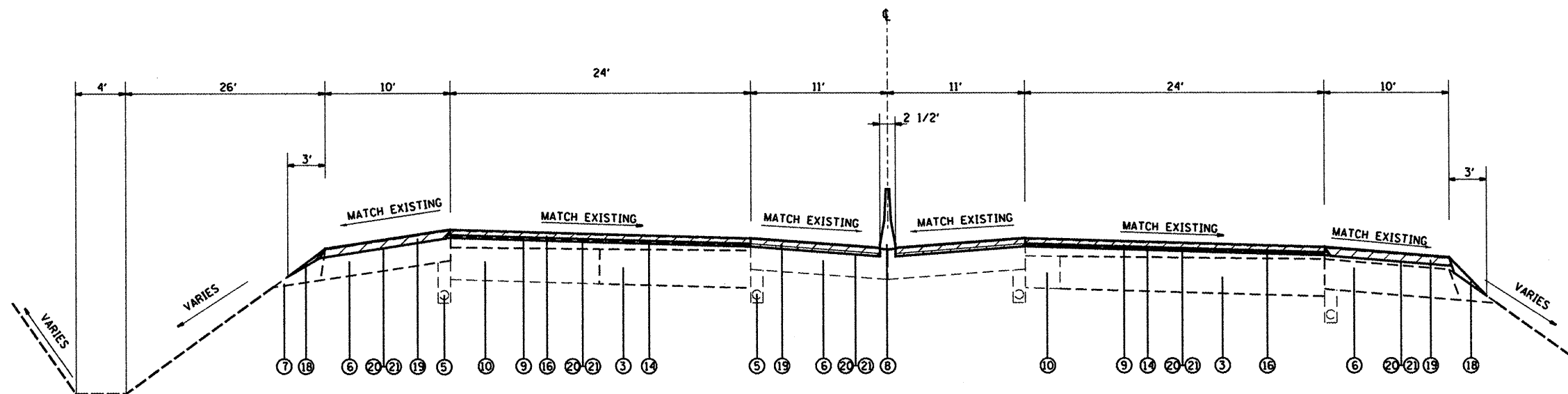
ADT (CONSTRUCTION YR):	16300
MUZ:	2.1
SUZ:	2.4
20 YR. ESAL'S:	2.39

MIXTURE USE	SURFACE	LEVEL BINDER	SHOULDERS
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	2.0% @ Ndes=30
MIX COMPOSITION			
(GRADATION MIXTURE)	IL 12.5 / 9.5	IL 9.5	
FRICITION AGG	MIXTURE "D"	MIXTURE "C"	BAM

** TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.

PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SO M/25 MM THICKNESS).

FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE. 805	SECTION 146RS-3	COUNTY ST. CLAIR	TOTAL SHEETS 21	SHEET NO. 4	
#FILE#		DRAWN - ---	REVISED - ---			SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____					
		CHECKED - ---	REVISED - ---			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					
		DATE - -----	REVISED - ---			CONTRACT NO. 76057					



TYPICAL SECTION
STA. 112+49.21 TO STA. 125+44.42

LEGEND

- ① EXISTING CONCRETE MEDIAN OR EARTH MEDIAN; SEE PLAN SHEETS FOR LOCATIONS
- ② EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ③ EXISTING STANDARD REINFORCED P.C.C PAVEMENT, 10"
- ④ EXISTING STABILIZED SUB-BASE 4"
- ⑤ EXISTING PIPE UNDERDRAIN 4"
- ⑥ EXISTING HOT-MIX ASPHALT SHOULDERS, VARIES 10"-13"
- ⑦ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑧ EXISTING CONCRETE BARRIER
- ⑨ EXISTING HOT-MIX ASPHALT RESURFACING, 2 1/2" AND VARIES
- ⑩ EXISTING HOT-MIX ASPHALT BASE COURSE WIDENING, 11"
- ⑪ EXISTING HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 14"
- ⑫ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE C
- ⑬ EXISTING CONCRETE CURB (STA. 144+84.06 TO STA. 146+68.52)
- ⑭ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 3/4"
- ⑮ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 1"
- ⑯ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ⑰ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2 1/2"
- ⑱ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑲ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2 1/4"
- ⑳ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ㉑ PROPOSED AGGREGATE (PRIME COAT)
- ㉒ EXISTING GUARDRAIL

PROPOSED HMA SURFACE REMOVAL - 2"

MIXTURE CHART

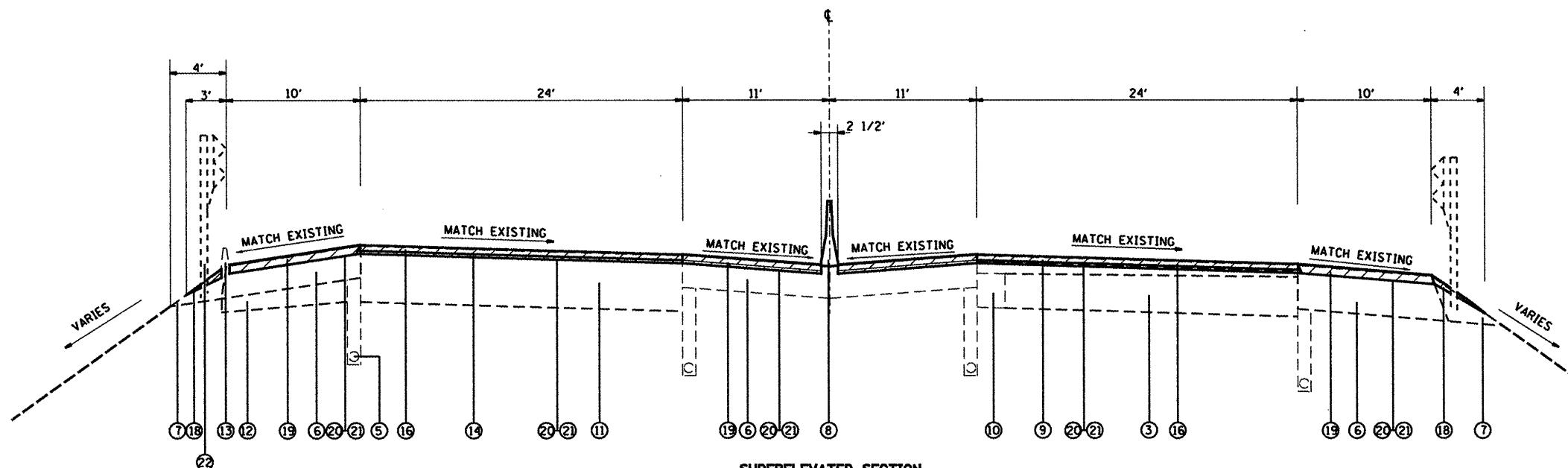
ADT (CONSTRUCTION YR):	16300
MUZ:	2.1
SUZ:	2.4
20 YR. ESAL'S:	2.39

MIXTURE USE	SURFACE	LEVEL BINDER	SHOULDERS
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	2.0% @ Ndes=30
MIX COMPOSITION			
(GRADATION MIXTURE)	IL 12.5 / 9.5	IL 9.5	
FRICTION AGG	MIXTURE "D"	MIXTURE "C"	BAM

** TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.

PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25 MM THICKNESS).

FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = #DATE#	DATE - -----	REVISED - ---			FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT					



SUPERELEVATED SECTION
 STA. 125+44.42 TO STA. 131+54.12
 STA. 144+84.06 TO STA. 146+68.52

LEGEND

- ① EXISTING CONCRETE MEDIAN OR EARTH MEDIAN; SEE PLAN SHEETS FOR LOCATIONS
- ② EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ③ EXISTING STANDARD REINFORCED P.C.C PAVEMENT, 10"
- ④ EXISTING STABILIZED SUB-BASE 4"
- ⑤ EXISTING PIPE UNDERDRAIN 4"
- ⑥ EXISTING HOT-MIX ASPHALT SHOULDERS, VARIES 10'-13"
- ⑦ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑧ EXISTING CONCRETE BARRIER
- ⑨ EXISTING HOT-MIX ASPHALT RESURFACING, 2 1/2 AND VARIES"
- ⑩ EXISTING HOT-MIX ASPHALT BASE COURSE WIDENING, 11"
- ⑪ EXISTING HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 14"
- ⑫ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE C
- ⑬ EXISTING CONCRETE CURB (STA. 144+84.06 TO STA. 146+68.52)
- ⑭ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 3/4"
- ⑮ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 1"
- ⑯ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ⑰ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2 1/2"
- ⑱ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑲ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2 1/4"
- ⑳ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ㉑ PROPOSED AGGREGATE (PRIME COAT)
- ㉒ EXISTING GUARDRAIL

PROPOSED HMA SURFACE REMOVAL - 2"

MIXTURE CHART

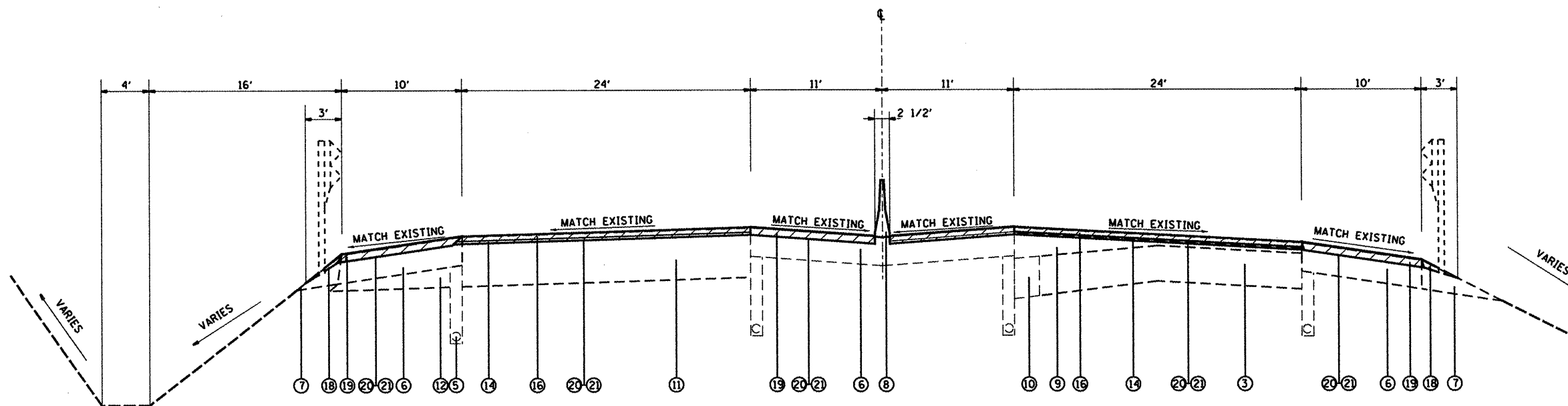
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MUX:	2.1
SUZ:	2.4
20 YR. ESAL'S:	2.39

MIXTURE USE	SURFACE	LEVEL BINDER	SHOULDERS
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	2.0% @ Ndes=30
MIX COMPOSITION			
(GRADATION MIXTURE)	IL 12.5 / 9.5	IL 9.5	
FRICTION AGG	MIXTURE "D"	MIXTURE "C"	BAM

•• TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.

PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SO M/25 MM THICKNESS).

FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILEL#		DRAWN - ---	REVISED - ---			805	146RS-3	ST. CLAIR	21	6	
		CHECKED - ---	REVISED - ---			CONTRACT NO. 76057					
		DATE - -----	REVISED - ---			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					
					SCALE: -----		SHEET NO. -- OF -- SHEETS		STA. ----- TO STA. -----		



TYPICAL SECTION
STA. 131+54.12 TO STA. 139+23.73

LEGEND

- ① EXISTING CONCRETE MEDIAN OR EARTH MEDIAN; SEE PLAN SHEETS FOR LOCATIONS
- ② EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ③ EXISTING STANDARD REINFORCED P.C.C PAVEMENT, 10"
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- ⑪ EXISTING HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 14"
- ⑫ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE C
- ⑬ EXISTING CONCRETE CURB (STA. 144+84.06 TO STA. 146+68.52)
- ⑭ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 3/4"
- ⑮ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 1"
- ⑯ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ⑰ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2 1/2"
- ⑱ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑲ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2 1/4"
- ⑳ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ㉑ PROPOSED AGGREGATE (PRIME COAT)
- ㉒ EXISTING GUARDRAIL

PROPOSED HMA SURFACE REMOVAL - 2"

MIXTURE CHART

ADT (CONSTRUCTION YR):	16300
MU%:	2.1
SU%:	2.4
20 YR. ESAL'S:	2.39

MIXTURE USE	SURFACE	LEVEL BINDER	SHOULDERS
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	2.0% @ Ndes=30
MIX COMPOSITION			
(GRADATION MIXTURE)	IL 12.5 / 9.5	IL 9.5	
FRICION AGG	MIXTURE "D"	MIXTURE "C"	BAM

•• TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.

PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25 MM THICKNESS).

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL#		DRAWN -	REVISED -		805	146RS-3	ST. CLAIR	21	7		
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -		SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		CONTRACT NO. 76057		
	PLOT DATE = #DATE#	DATE -	REVISED -								

PAVING SCHEDULE

STATIONING			BITUMINOUS MATERIALS PRIME COAT (TON)	AGGREGATE PRIME COAT (TON)	LEVELING BINDER MACHINE METHOD N70 (TON)	HMA SURFACE COURSE MIX "D", N70 (TON)	INCIDENTAL HMA SURFACING (TON)	HMA SURFACE REMOVAL - 2" (SQ YD)	AGGREGATE WEDGE SHLDRS., TYPE B (TON)	HMA SHOULDERS (TON)
73+90.36	TO	88+00.00	3.6	17.3	459.9	690.0	65.0	0.0	92.4	404.5
88+00.00	TO	96+84.80	3.2	15.4	307.5	461.0	379.1	0.0	58.4	284.5
96+84.80	TO	112+49.21	RESURFACING OMISSION							
112+49.21	TO	118+00.00	1.7	8.0	123.5	246.8	0.0	5355.0	66.9	304.5
118+00.00	TO	133+00.00	4.6	21.9	336.0	672.0	0.0	14583.5	91.0	829.5
133+00.00	TO	139+23.73	2.0	9.8	158.9	318.0	40.8	6538.5	74.3	301.5
139+23.73	TO	144+84.05	RESURFACING OMISSION							
144+84.05	TO	146+68.52	0.9	4.5	88.1	176.3	0.0	2988.0	24.0	112.5
			16.0	77.0	1474.0	2564.0	485.0	29465.0	407.0	2237.0

PAVEMENT MARKING SCHEDULE

STATION			THERMOPLASTIC PAVEMENT MARKING LINE-4" (FOOT)			THERMOPLASTIC PAVEMENT MRKNG LETTERS AND SYMBOLS (SQ FT)	THERMOPLASTIC PAVEMENT MARKING LINE-12" (FOOT)	THERMOPLASTIC PAVEMENT MARKING LINE-24" (FOOT)	PAINT PAVEMENT MARKING CURB (FOOT)	TEMPORARY PAVEMENT MARKING LINE-4" (FOOT)			TEMPORARY PAVT. MRKNG LETTERS AND SYMBOLS (SQ FT)	TEMPORARY PAVEMENT MARKING LINE-12" (FOOT)	TEMPORARY PAVEMENT MARKING LINE-24" (FOOT)	SHORT TERM PAVEMENT MARKING (FOOT)	RAISED RELECTIVE PAVEMENT MARKERS (EACH)	RAISED RELECTIVE PAVT. MRK. REMOVAL (EACH)	WORK ZONE PAVEMENT MRK. REM. (SQ FT)
			SOLID WHITE	SKIP-DASH WHITE	SOLID YELLOW					SOLID WHITE	SKIP-DASH YELLOW	SOLID YELLOW							
73+90.15	TO	80+40.01	1450	325	1450	31.2			167	1450	325	1450	31.2			597.9	48	20	49.8
80+40.01	TO	88+00.00	1520	380	1520				72	1520	380	1520				699.2	19	19	58.3
88+00.00	TO	94+70.93	1340	335	1342	31.2		36	58	1340	335	1342	31.2		36	617.3	38	22	51.4
94+70.93	TO	96+84.80	140	55	220	15.6		36	58	140	55	220	15.6		80	196.8	18	7	16.4
248+17.13	TO	251+94.32	440		286	46.8		142	306	440	0	286	46.8		142	43.4	41	0	14.5
112+49.21	TO	118+00.00	1102	275	1102					1102	275	1102				506.7	14	14	42.2
118+00.00	TO	133+00.00	3000	750	3000					3000	750	3000				1380.0	38	38	115.0
133+00.00	TO	139+23.73	1337	312	1187	31.2	66			1337	312	1187	31.2	84		573.8	19	19	47.8
144+59.61	TO	146+68.52	418	104	418					418	104	418				192.2	5	5	16.0
SUBTOTAL			10746	2537	10524					10746	2537	10524							
TOTAL			23807			156	66	214	661	23807			156	84	258	4807	239	143	411

FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.P. RTE. 805	SECTION 146RS-3	COUNTY ST. CLAIR	TOTAL SHEETS 21	SHEET NO. 8		
#FILE#	PLLOT SCALE = #SCALE#	CHECKED - ---	REVISED - ---			SCALE: -----	SHEET NO. -- OF --- SHEETS	STA. ----- TO STA. -----		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT		
	PLLOT DATE = #DATE#	DATE - -----	REVISED - ---									
CONTRACT NO. 76057												

PATCHING SCHEDULE

LOCATION STATION	LENGTH FT	WIDTH FT	AREA SO YD	10.0" TYPE II	17" TYPE IV	
SB						
79+18.00	100	6	66.7		66.7	
79+70.80	12	6	8	8		
79+70.80	12	6	8	8		
79+97.20	12	6	8	8		
80+23.60	12	6	8	8		
80+23.60	12	6	8	8		
81+82.00	12	6	8	8		
81+82.00	12	6	8	8		
92+38.00	12	6	8	8		
92+38.00	12	6	8	8		
95+02.00	50	6	33.3		33.3	
95+54.80	12	6	8	8		
124+06.00	12	6	8	8		
124+06.00	12	6	8	8		
126+70.00	12	6	8		8	
131+98.00	12	8	10.7		11	
131+98.00	12	8	10.7		11	
SUB-TOTAL				96	100	29
ANTICIPATED FAILURES (20%)				19	20	6
TOTAL				115	120	35

PATCHING SCHEDULE (CONTINUED)

LOCATION STATION	LENGTH FT	WIDTH FT	AREA SO YD	10.0" TYPE II	17" TYPE IV	
NB						
138+78.00	20	12	26.7		26.7	
138+78.00	20	12	26.7		26.7	
138+51.60	20	12	26.7		26.7	
138+51.60	20	12	26.7		26.7	
93+90.00	150	6	100		100	
93+37.20	60	6	40		40	
93+37.20	100	6	66.7		66.7	
92+84.40	75	6	50		50	
91+26.00	12	6	8	8		
91+26.00	12	6	8	8		
88+62.00	12	6	8	8		
88+62.00	12	6	8	8		
88+09.20	12	6	8	8		
88+09.20	12	6	8	8		
87+82.80	12	6	8	8		
87+82.80	12	6	8	8		
87+56.40	12	6	8	8		
87+56.40	12	6	8	8		
87+30.00	12	6	8	8		
87+30.00	12	6	8	8		
87+03.60	12	6	8	8		
87+03.60	12	6	8	8		
86+77.20	12	6	8	8		
86+77.20	12	6	8	8		
85+98.00	12	6	8	8		
85+98.00	12	6	8	8		
84+92.40	12	6	8	8		
84+92.40	12	6	8	8		
83+34.00	12	6	8	8		
83+34.00	12	6	8	8		
82+28.40	12	6	8	8		
82+28.40	12	6	8	8		
81+75.60	12	6	8	8		
81+75.60	12	6	8	8		
80+70.00	12	6	8	8		
80+70.00	12	6	8	8		
80+17.20	12	6	8	8		
80+17.20	12	6	8	8		
79+11.60	12	6	8	8		
79+11.60	12	6	8	8		
78+06.00	12	6	8	8		
78+06.00	12	6	8	8		
77+53.20	12	6	8	8		
77+53.20	12	6	8	8		
75+42.00	12	6	8	8		
75+42.00	12	6	8	8		
74+89.20	12	6	8	8		
74+89.20	12	6	8	8		
74+36.40	12	6	8	8		
74+36.40	12	6	8	8		
73+90.36	12	6	8	8		
73+90.36	12	6	8	8		
SUB-TOTAL				352	257	107
ANTICIPATED FAILURES (20%)				143	70	51
TOTAL				495	327	158

DRAINAGE SCHEDULE

LOCATION	DIRECTION	COMBINATION CURB AND GUTTER REMOVAL	MANHOLES TO BE ADJUSTED	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
		FOOT	EACH	FOOT
STATION TO STATION				
STA. 73+90.36	SB	16.9		16.9
	NB	16.9		16.9
STA. 112+99.92	NB		1	
STA. 115+61.43	NB		1	
STA. 118+97.35	NB		1	
STA. 124+42.39	NB		1	
TOTAL		34	4	34

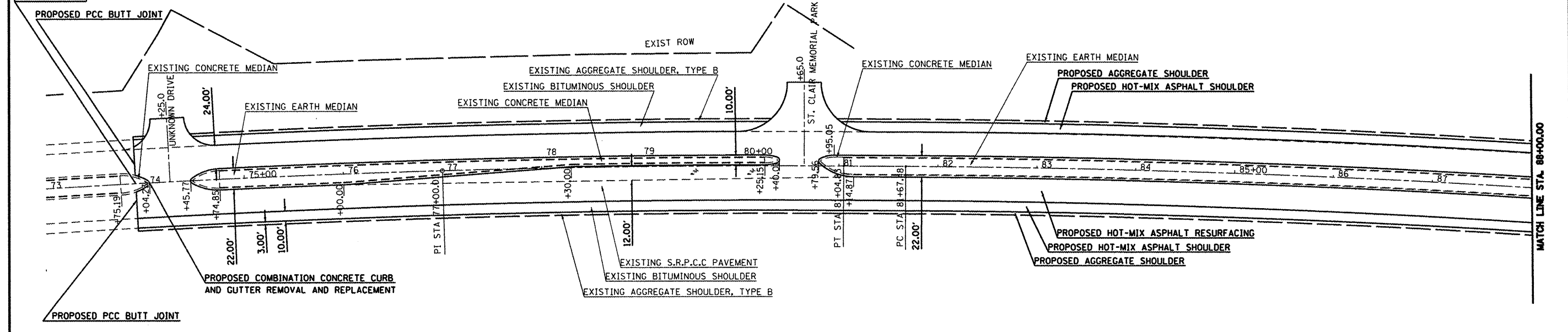
GUARDRAIL SCHEDULE

LOCATION	TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL) TANGENT	GUARDRAIL REMOVAL	TERMINAL MARKER - DIRECT APPLIED	
		EACH	FOOT	EACH
STATION TO STATION				
STA. 129+47.42 TO 129+97.42	1	50	1	
TOTAL				



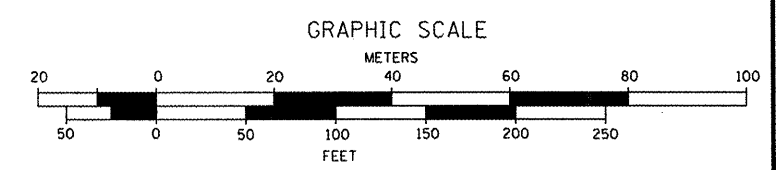
BEGIN CONST.
STA. 73+90.36

EXIST. CURVE C1
PI STA. = 77+00.00
Δ = 4° 03' 00" (RT)
D = 0° 30' 00" (RT)
R = 11,459.16'
T = 405.17'
L = 810.00'
E = 7.16'
P.C. STA. = 72+94.83
P.T. STA. = 81+04.83



EXIST. CURVE C1
PI STA. = 77+00.01
Δ = 4° 03' 00" (RT)
D = 0° 30' 00" (RT)
R = 11,459.16'
T = 405.17'
L = 810.00'
E = 7.16'
P.C. STA. = 72+94.83
P.T. STA. = 81+04.83

EXIST. CURVE C2
PI STA. = 89+71.05
Δ = 8° 01' 22" (RT)
D = 0° 30' 00" (RT)
R = 11,459.06'
T = 803.57'
L = 1,604.52'
E = 28.14'
P.C. STA. = 81+67.48
P.T. STA. = 97+72.00

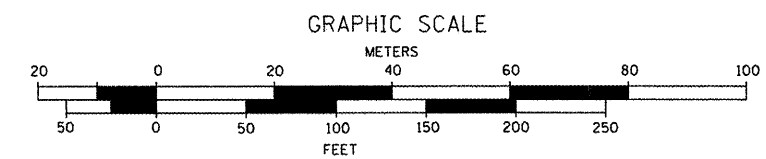
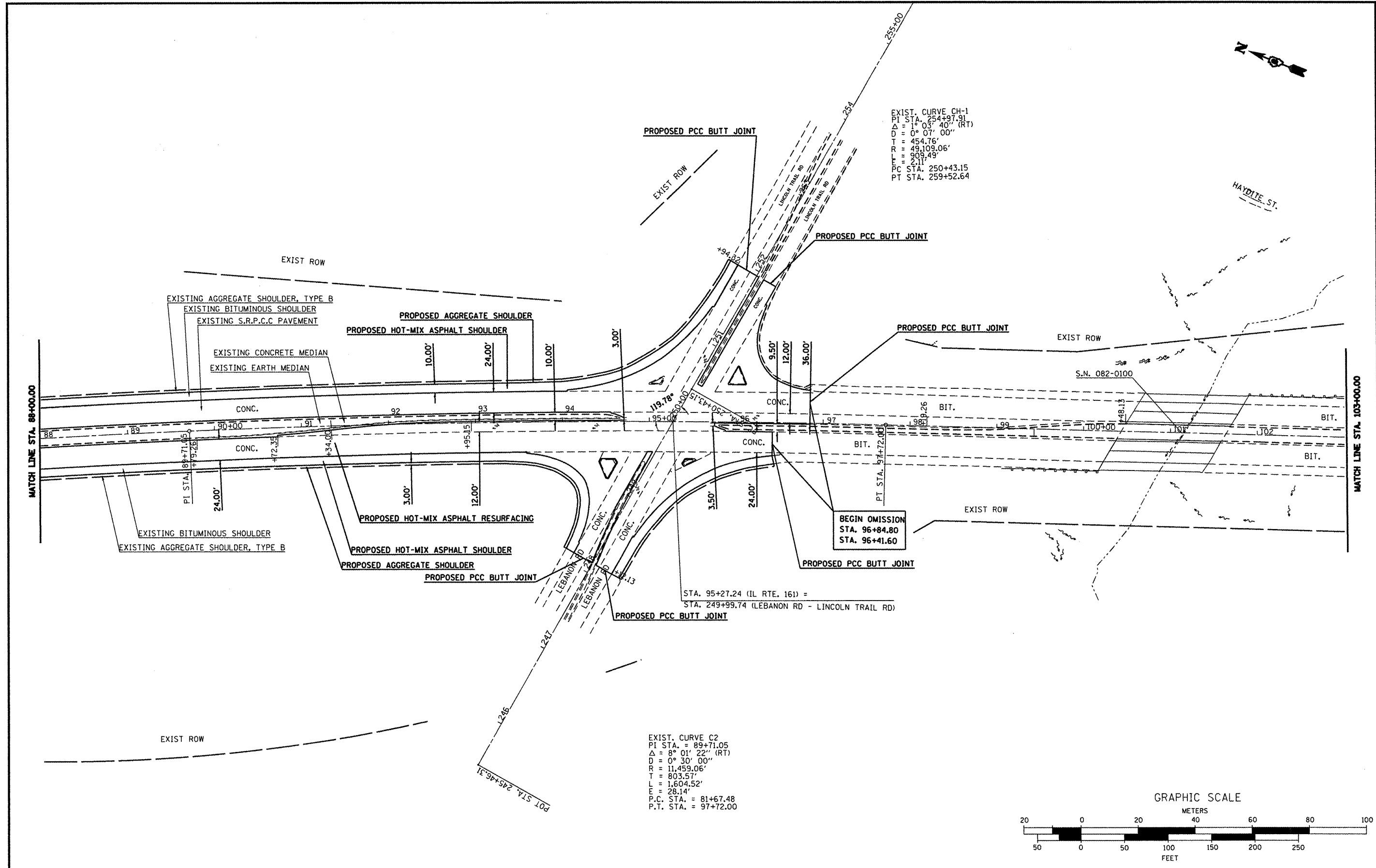


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#FILEL#	PLOT SCALE = #SCALE#	DRAWN -	REVISED -		SCALE: _____	SHEET NO. 1 OF 5 SHEETS	STA. 73+00.00 TO STA. 88+00.00	CONTRACT NO. 76057		ILLINOIS FED. AID PROJECT		
	PLOT DATE = #DATE#	CHECKED -	REVISED -									
		DATE -	REVISED -									

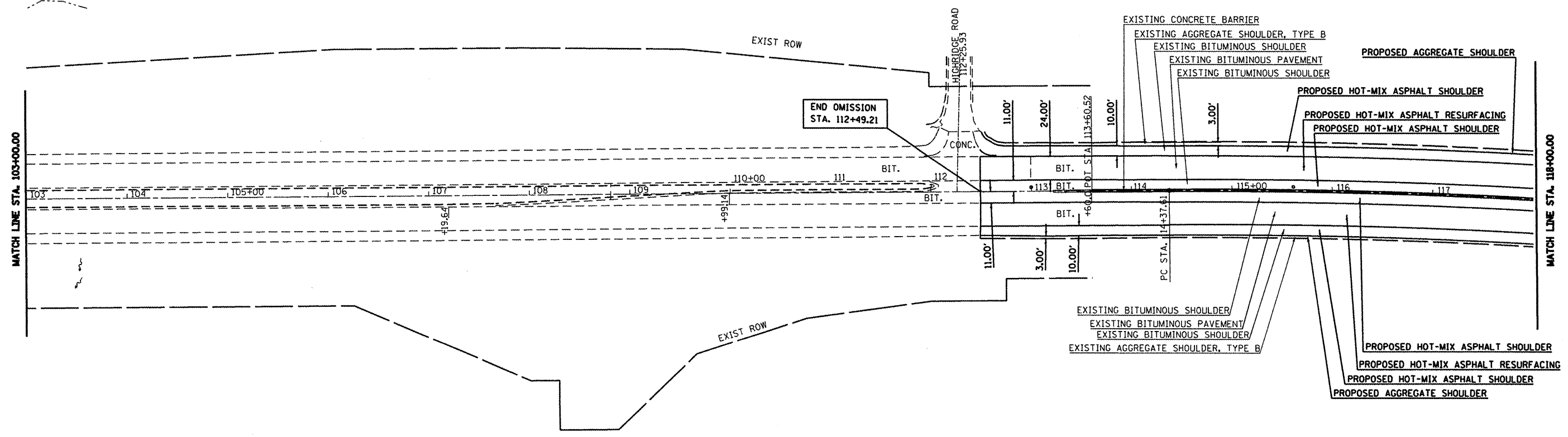


EXIST. CURVE CH-1
 PI STA. = 254+97.91
 $\Delta = 15^{\circ} 03' 40''$ (RT)
 $D = 0^{\circ} 07' 00''$
 $T = 454.76'$
 $R = 49,109.06'$
 $L = 909.49'$
 $E = 2.11'$
 P.C. STA. = 250+43.15
 P.T. STA. = 259+52.64

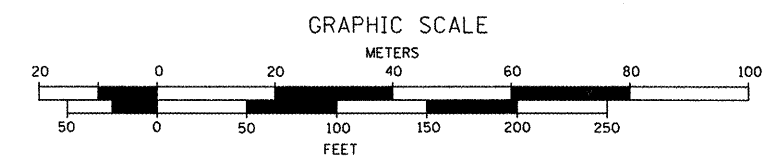
EXIST. CURVE C2
 PI STA. = 89+71.05
 $\Delta = 8^{\circ} 01' 22''$ (RT)
 $D = 0^{\circ} 30' 00''$
 $R = 11,459.06'$
 $T = 803.57'$
 $L = 1,604.52'$
 $E = 28.14'$
 P.C. STA. = 81+67.48
 P.T. STA. = 97+72.00



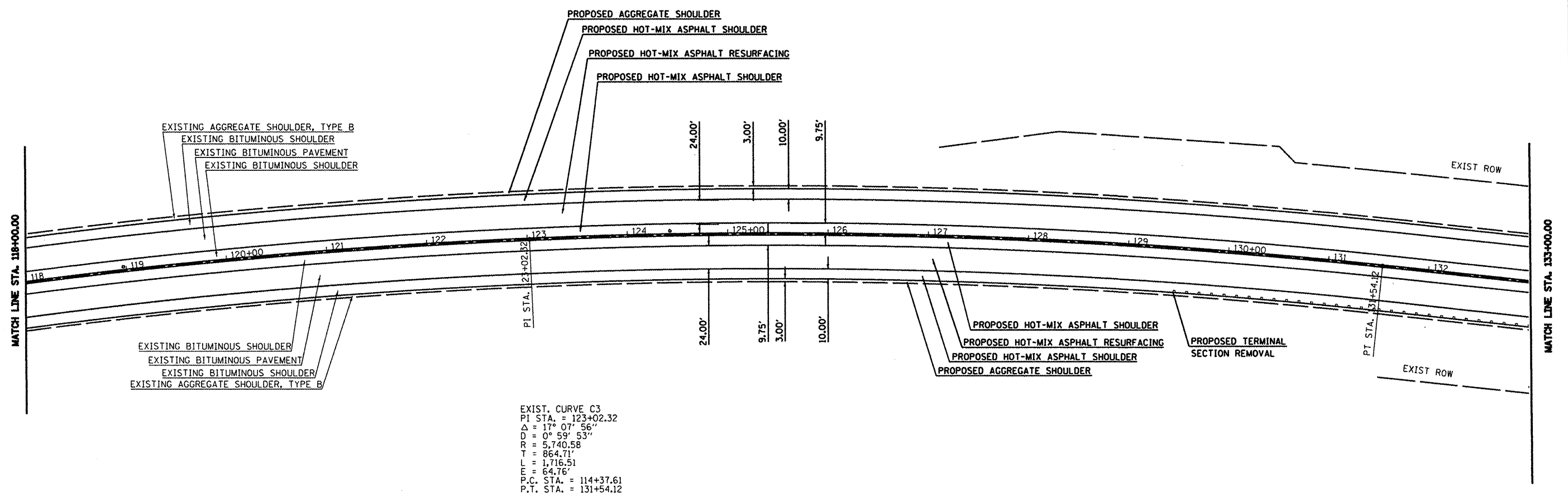
FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS		F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -		SCALE: -----	SHEET NO. 2 OF 5 SHEETS	805	146RS-3	SNY Clair	21	10
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -		STA. 88+00.00 TO STA. 103+00.00		CONTRACT NO. 76D57				
	PLOT DATE = #DATE#	DATE -	REVISED -		ILLINOIS FED. AID PROJECT						



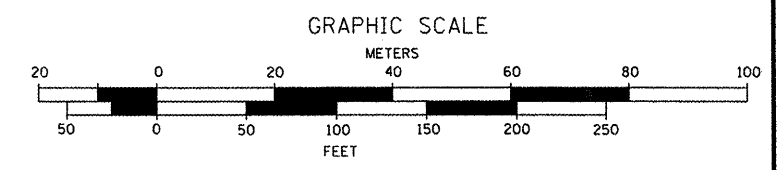
EXIST. CURVE C3
 PI STA. = 123+02.32
 $\Delta = 17^\circ 07' 56''$
 $D = 0^\circ 59' 53''$
 $R = 5,740.58$
 $T = 864.71'$
 $L = 1,716.51$
 $PF = 64.76'$
 P.C. STA. = 114+37.61
 P.T. STA. = 131+54.12



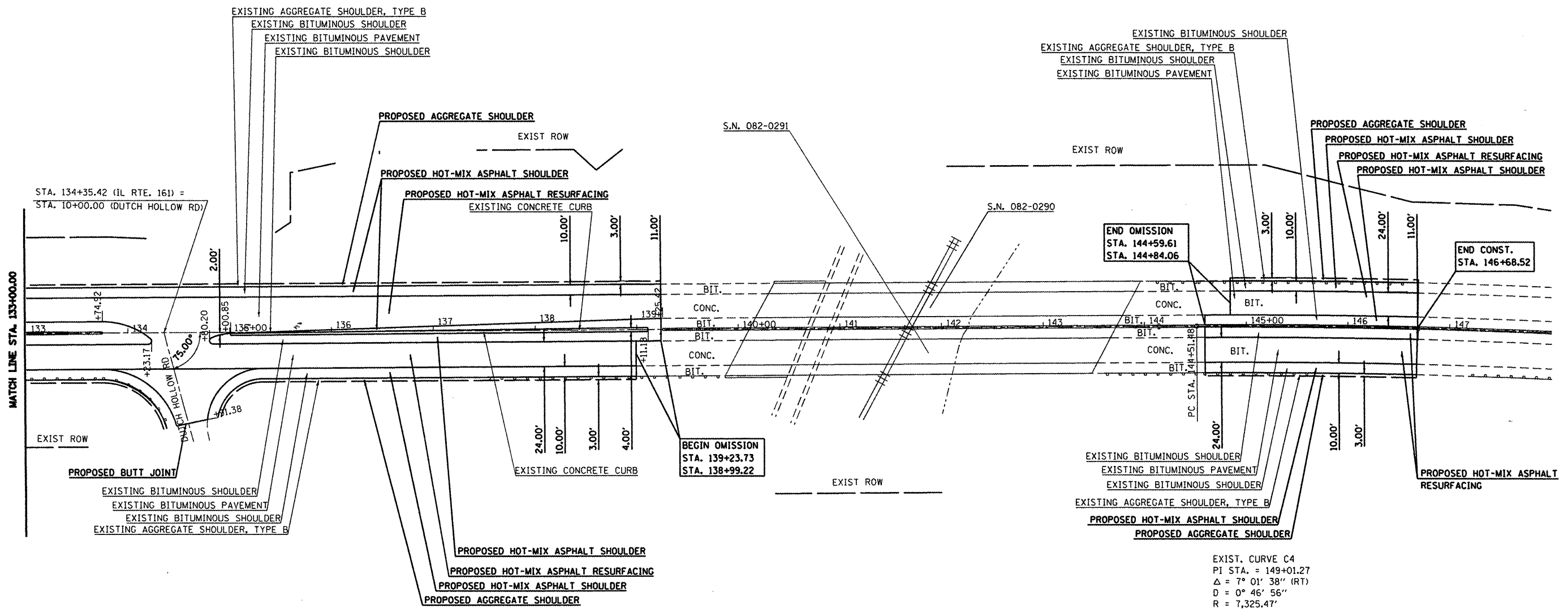
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#FILE#		DRAWN -	REVISED -		SCALE: _____	SHEET NO. 3 OF 5 SHEETS	STA. 103+00.00 TO STA. 118+00.00	CONTRACT NO. 76D57				
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



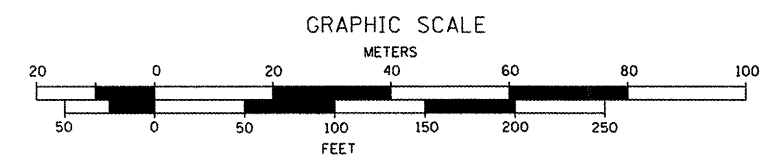
EXIST. CURVE C3
 PI STA. = 123+02.32
 $\Delta = 17^{\circ} 07' 56''$
 $D = 0^{\circ} 59' 53''$
 $R = 5,740.58$
 $T = 864.71'$
 $L = 1,716.51$
 $E = 64.76'$
 P.C. STA. = 114+37.61
 P.T. STA. = 131+54.12



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS		F.A.P. RTE. = 805	SECTION = 146RS-3	COUNTY = SFt Clair	TOTAL SHEETS = 21	SHEET NO. = 12	
#FILE#		DRAWN -	REVISED -		SCALE: _____	SHEET NO. 4 OF 5 SHEETS	STA. 118+00.00 TO STA. 133+00.00	CONTRACT NO. 76057		ILLINOIS FED. AID PROJECT		
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -									
	PLOT DATE = #DATE#	DATE -	REVISED -									



EXIST. CURVE C4
 PI STA. = 149+01.27
 Δ = 7° 01' 38'' (RT)
 D = 0° 46' 56''
 R = 7,325.47'
 T = 449.79'
 L = 898.45'
 E = 13.80'
 P.C. STA. = 144+51.48
 P.T. STA. = 153+49.93



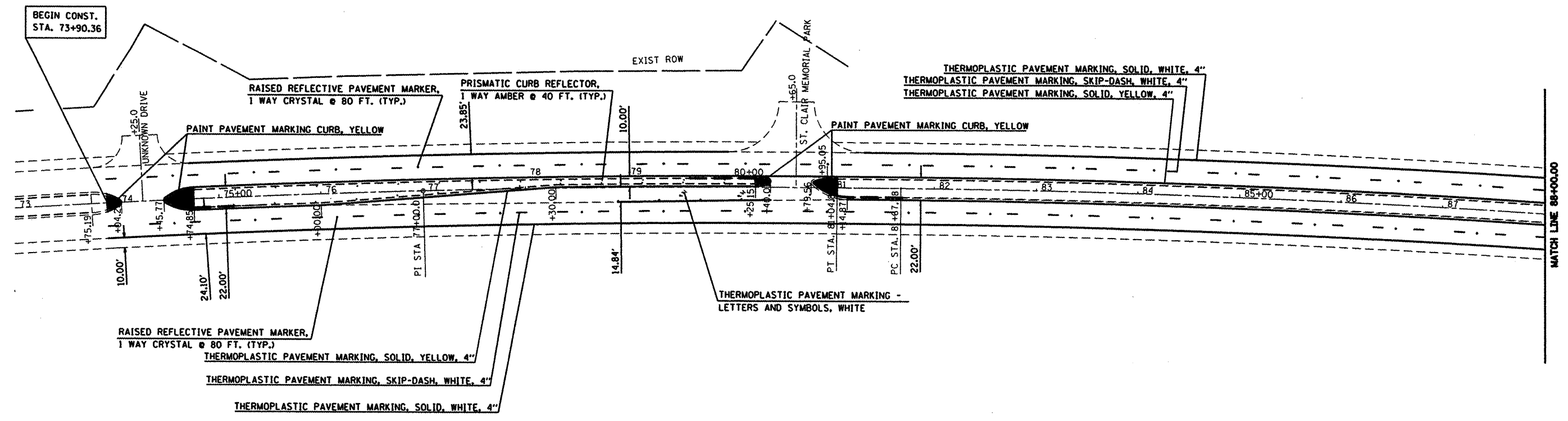
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	PLOT SCALE = #SCALE#	CHECKED -	REVISD -
	PLOT DATE = #DATE#	DATE -	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: _____ SHEET NO. 5 OF 5 SHEETS STA. 133+00.00 TO STA. 148+00.00

F.A.P. RTE. 805	SECTION 146RS-3	COUNTY SPR CLAIR	TOTAL SHEETS 21	SHEET NO. 13
CONTRACT NO. 76D57			ILLINOIS FED. AID PROJECT	



RAISED REFLECTIVE PAVEMENT MARKER,
1 WAY CRYSTAL @ 80 FT. (TYP.)

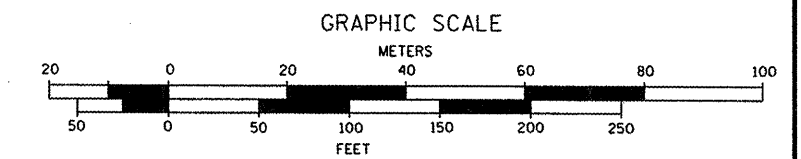
THERMOPLASTIC PAVEMENT MARKING, SOLID, YELLOW, 4"

THERMOPLASTIC PAVEMENT MARKING, SKIP-DASH, WHITE, 4"

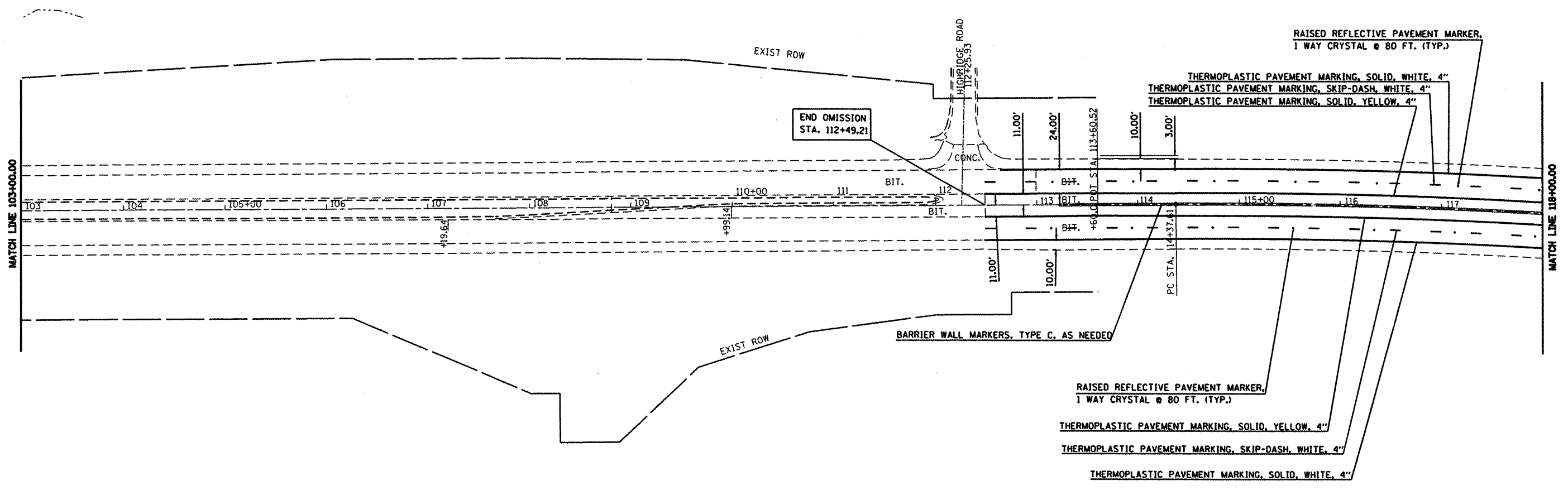
THERMOPLASTIC PAVEMENT MARKING, SOLID, WHITE, 4"

EXIST. CURVE C1
 PI STA. = 77+00.01
 $\Delta = 4^{\circ} 03' 00''$ (RT)
 $D = 0^{\circ} 30' 00''$
 $R = 11,459.16'$
 $T = 405.17'$
 $L = 810.00'$
 $E = 7.16'$
 P.C. STA. = 72+94.83
 P.T. STA. = 81+04.83

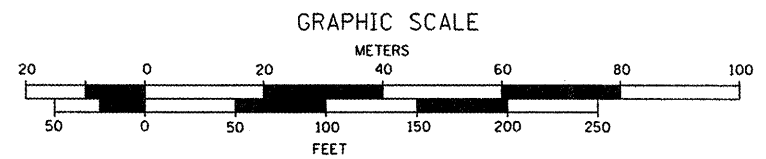
EXIST. CURVE C2
 PI STA. = 89+71.05
 $\Delta = 8^{\circ} 01' 22''$ (RT)
 $D = 0^{\circ} 30' 00''$
 $R = 11,459.06'$
 $T = 803.57'$
 $L = 1,604.52'$
 $E = 28.14'$
 P.C. STA. = 81+67.48
 P.T. STA. = 97+72.00



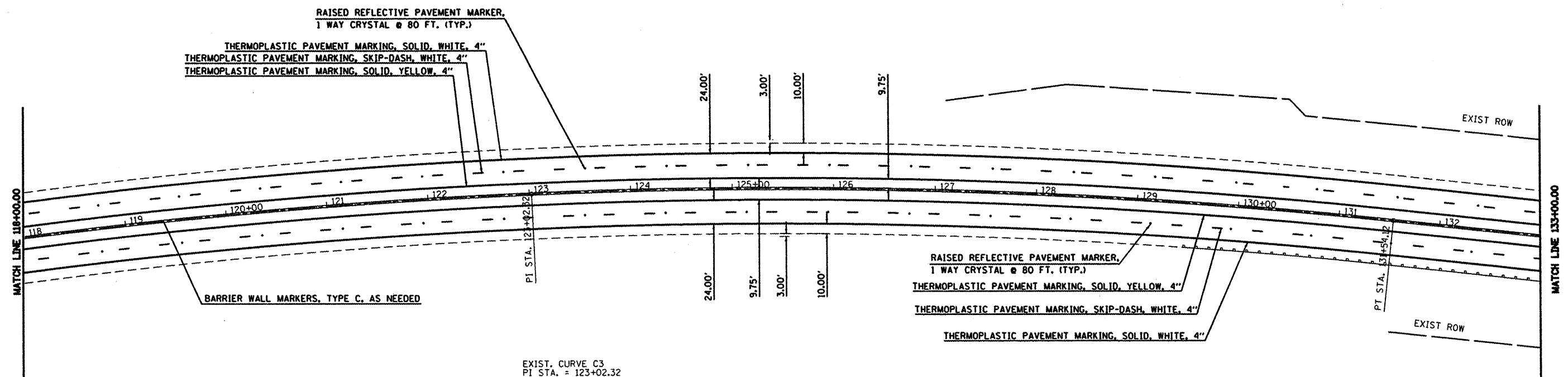
FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLOT SCALE = #SCALE#	DRAWN -	REVISED -			805	146RS-3	St Clair	21	14	
	PLOT DATE = #DATE#	CHECKED -	REVISED -			CONTRACT NO. 76057					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



EXIST. CURVE C3
 P.I. STA. = 123+02.32
 $\Delta = 17^{\circ} 07' 56''$
 $D = 0^{\circ} 59' 53''$
 $R = 5,740.58$
 $T = 864.71'$
 $L = 1,716.51$
 $E = 64.76'$
 P.C. STA. = 114+37.61
 P.T. STA. = 131+54.12



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.	
#FILE#		DRAWN -	REVISED -			805	146R5-3	SEN Clair	21	16
		CHECKED -	REVISED -			SCALE: SHEET NO. 3 OF 5 SHEETS STA. 103+00.00 TO STA. 118+00.00		CONTRACT NO. 76D57		
		PLOT SCALE = #SCALE#	REVISED -	ILLINOIS FED. AID PROJECT						
		PLOT DATE = #DATE#	REVISED -							



RAISED REFLECTIVE PAVEMENT MARKER,
1 WAY CRYSTAL @ 80 FT. (TYP.)

THERMOPLASTIC PAVEMENT MARKING, SOLID, WHITE, 4"

THERMOPLASTIC PAVEMENT MARKING, SKIP-DASH, WHITE, 4"

THERMOPLASTIC PAVEMENT MARKING, SOLID, YELLOW, 4"

RAISED REFLECTIVE PAVEMENT MARKER,
1 WAY CRYSTAL @ 80 FT. (TYP.)

THERMOPLASTIC PAVEMENT MARKING, SOLID, YELLOW, 4"

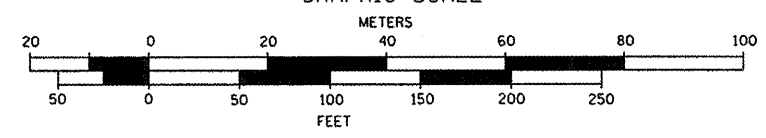
THERMOPLASTIC PAVEMENT MARKING, SKIP-DASH, WHITE, 4"

THERMOPLASTIC PAVEMENT MARKING, SOLID, WHITE, 4"

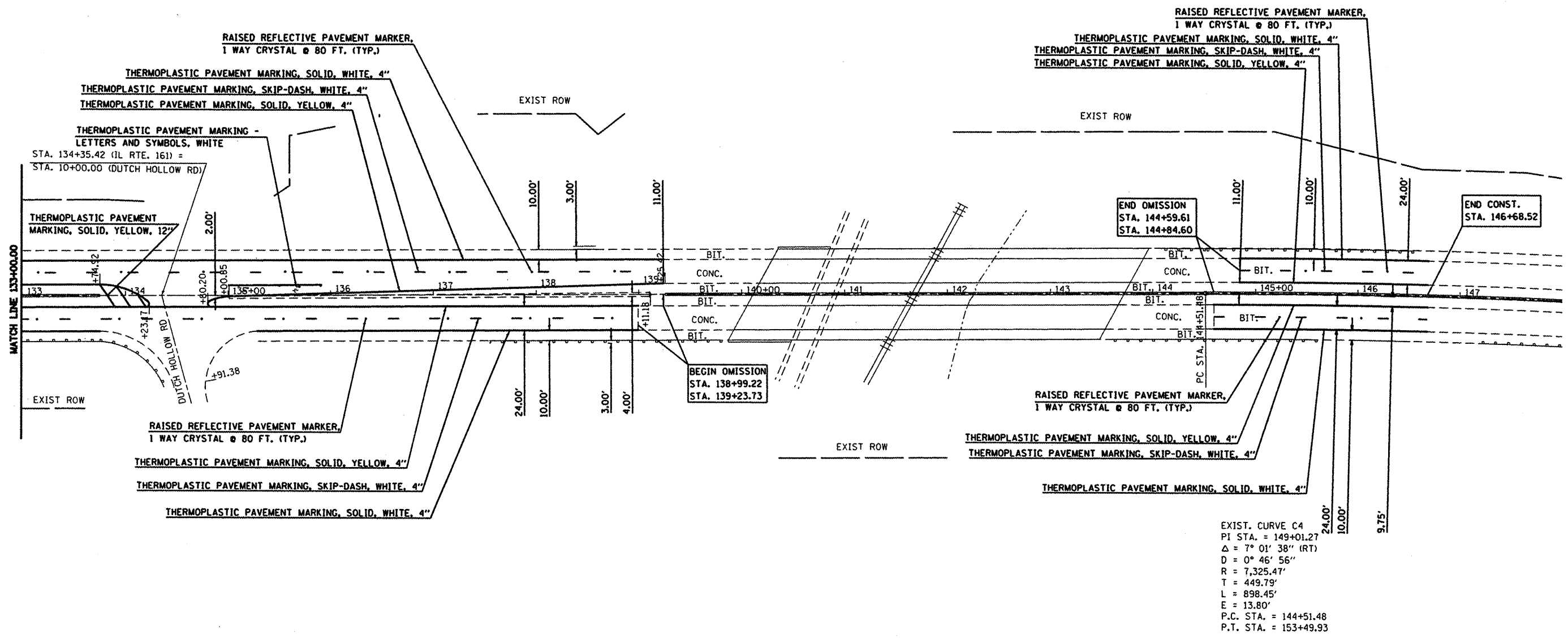
BARRIER WALL MARKERS, TYPE C, AS NEEDED

EXIST. CURVE C3
 P.I. STA. = 123+02.32
 $\Delta = 17^{\circ} 07' 56''$
 $D = 0^{\circ} 59' 53''$
 $R = 5,740.58$
 $T = 864.71'$
 $L = 1,716.51'$
 $PMI = 64.76'$
 P.C. STA. = 114+37.61
 P.T. STA. = 131+54.12

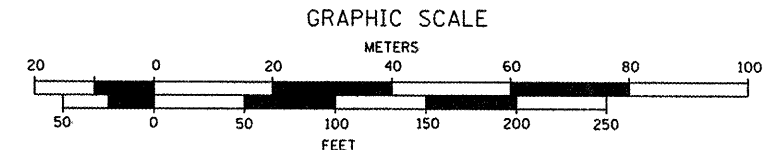
GRAPHIC SCALE



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -		SCALE: _____	SHEET NO. 4 OF 5 SHEETS	STA. 118+00.00 TO STA. 133+00.00	805	146RS-3	Sst Clair	21	17
		CHECKED -	REVISED -								CONTRACT NO. 76D57	
		DATE -	REVISED -								ILLINOIS FED. AID PROJECT	



EXIST. CURVE C4
 PI STA. = 149+01.27
 $\Delta = 7^\circ 01' 38''$ (RT)
 $D = 0^\circ 46' 56''$
 $R = 7,325.47'$
 $T = 449.79'$
 $L = 898.45'$
 $E = 13.80'$
 P.C. STA. = 144+51.48
 P.T. STA. = 153+49.93



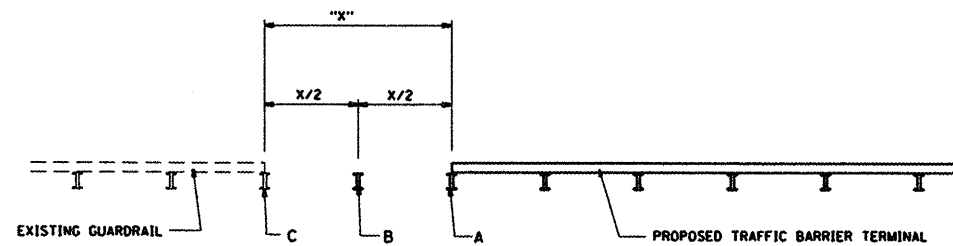
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#FILE#		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

SCALE: SHEET NO. 5 OF 5 SHEETS STA. 133+00.00 TO STA. 148+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B05	146RS-3	SPR CLARR	21	18
CONTRACT NO. 76D57				
ILLINOIS FED. AID PROJECT				

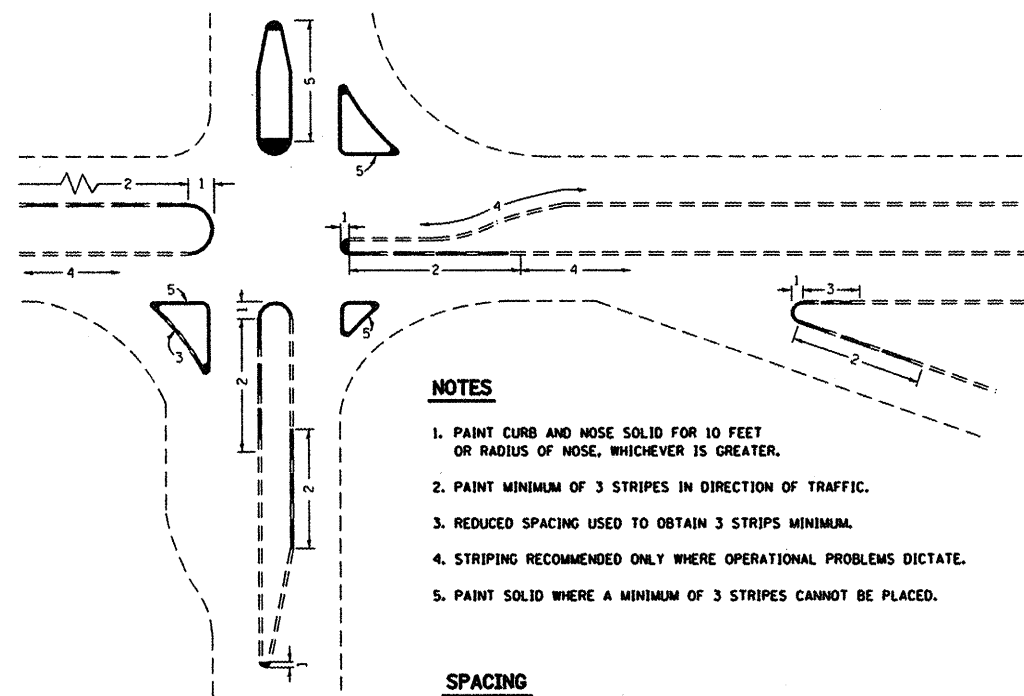


- NOTES: 1) INSTALL POST B HALFWAY BETWEEN POST A AND POST C WHERE $x \geq 6'-3"$.
 2) FIELD DRILL RAIL ELEMENT AT B AND A AND ATTACH USING NEW BOLTS, NUTS AND WASHERS. PAINT NEW HOLES WITH ZINC RICH PAINT.
 3) INSTALL VARIABLE LENGTH RAIL ELEMENT TO SPAN GAP BETWEEN POST A AND C USING NEW SPLICE PLATES, BOLTS AND NUTS.
 4) ADJUST POST SPACING SO THAT $x/2$ IS BETWEEN $3'-1\frac{1}{2}"$ AND $6'-3"$.
 5) WHEN BOTH ADJACENT SECTIONS OF GUARDRAIL HAVE POST SPACING $3'-1\frac{1}{2}"$, ADD ADDITIONAL POST B AS NECESSARY TO CONTINUE POST SPACING AS CLOSE TO $3'-1\frac{1}{2}"$ AS POSSIBLE.

DETAIL OF TRAFFIC BARRIER TERMINAL CONNECTION

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPECIAL DETAILS		F.A.P. RTE. 805	SECTION 146RS-3	COUNTY ST. CLAIR	TOTAL SHEETS 21	SHEET NO. 19
	PLOT SCALE = #SCALE#	DRAWN - ---	REVISED - ---		SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 76D57		ILLINOIS FED. AID PROJECT	
	PLOT DATE = #DATE#	CHECKED - ---	REVISED - ---								

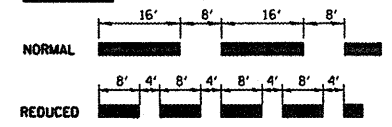
DESIGN DETAIL MI-B-1



NOTES

1. PAINT CURB AND NOSE SOLID FOR 10 FEET OR RADIUS OF NOSE, WHICHEVER IS GREATER.
2. PAINT MINIMUM OF 3 STRIPES IN DIRECTION OF TRAFFIC.
3. REDUCED SPACING USED TO OBTAIN 3 STRIPS MINIMUM.
4. STRIPING RECOMMENDED ONLY WHERE OPERATIONAL PROBLEMS DICTATE.
5. PAINT SOLID WHERE A MINIMUM OF 3 STRIPES CANNOT BE PLACED.

SPACING



CURB MARKING

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
#FILE#		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

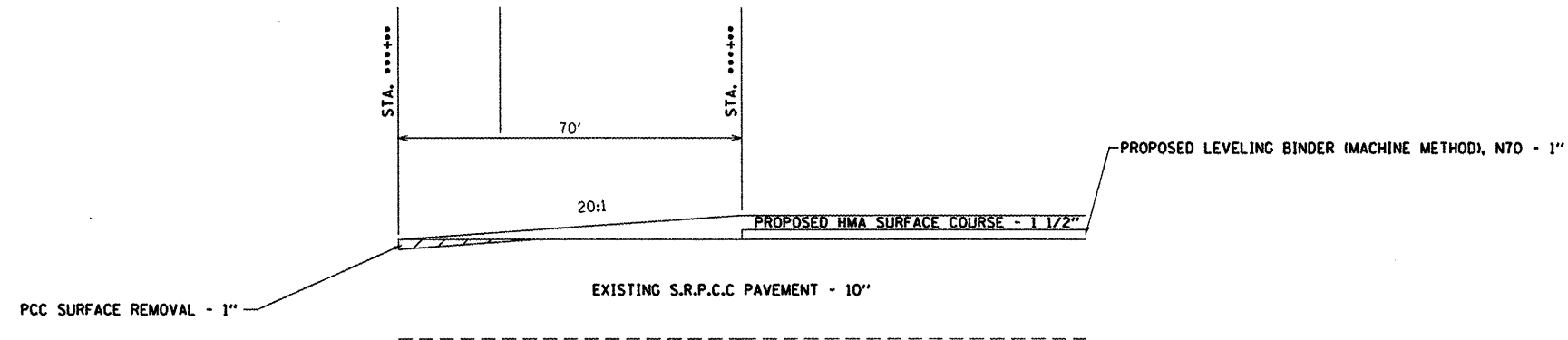
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SPECIAL DETAILS

SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	146RS-3	ST. CLAIR	21	20
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76057	

BUTT JOINT FOR PCC PAVEMENT



BUTT JOINT SCHEDULE

STATIONING		PCC SURF. REM.- BUTT JOINT (SQ YD)	TEMPORARY RAMP (SQ YD)	COMMENTS
73+90.36	TO 74+10.36	106.7	17.8	
96+64.80	TO 96+84.80	80.0	13.3	
96+21.60	TO 96+41.60	53.2	13.3	
251+74.32	TO 251+94.32	97.8	16.3	EAST LEG OF LEBANON RD
248+12.13	TO 248+32.13	53.3	8.9	WEST LEG OF LEBANON RD
	112+49.21	0.0	59.1	
	138+99.22	0.0	25.2	
	139+23.73	0.0	41.5	
	144+59.61	0.0	32.4	
	144+84.06	0.0	32.4	
	146+00.00	0.0	64.8	
		391	325	

FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPECIAL DETAILS			F.A.P. RTE. 805	SECTION 146RS-3	COUNTY ST. CLAIR	TOTAL SHEETS 21	SHEET NO. 21
#FILEL#	PLOT SCALE = #SCALE#	DRAWN - ---	REVISED - ---		SCALE: _____	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 76D57				
	PLOT DATE = #DATE#	CHECKED - ---	REVISED - ---		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT							
		DATE - -----	REVISED - ---									