

07-30-2021 LETTING ITEM 057

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1400	20-00028-00-RS	KNOX	5	1
		ILLINOIS	CONTRACT NO. 89791	

INDEX OF SHEETS

1. TITLE SHEET AND LOCATION MAP
2. GENERAL NOTES AND TYPICAL SECTION
3. HENDERSON ROAD PLAN VIEW
4. HENDERSON ROAD PLAN VIEW
5. IDOT DISTRICT 4 STANDARDS

LIST OF STANDARDS

- |           |  |
|-----------|--|
| 424001-11 | PERPENDICULAR CURB RAMPS FOR SIDEWALKS                                   |
| 442201-03 | CLASS C AND D PATCHES  |
| 606001-07 | CONCRETE CURB TYPE B AND COBINATION CONCRETE CURB AND GUTTER             |
| 701306-04 | LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS >45 MPH |
| 701311-03 | LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY                           |
| 701501-06 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED                                    |
| 701801-06 | SIDEWALK, CORNER OR CROSSWALK CLOSURE                                    |
| 701901-08 | TRAFFIC CONTROL DEVICES  |
| 780001-05 | TYPICAL PAVEMENT MARKINGS  |

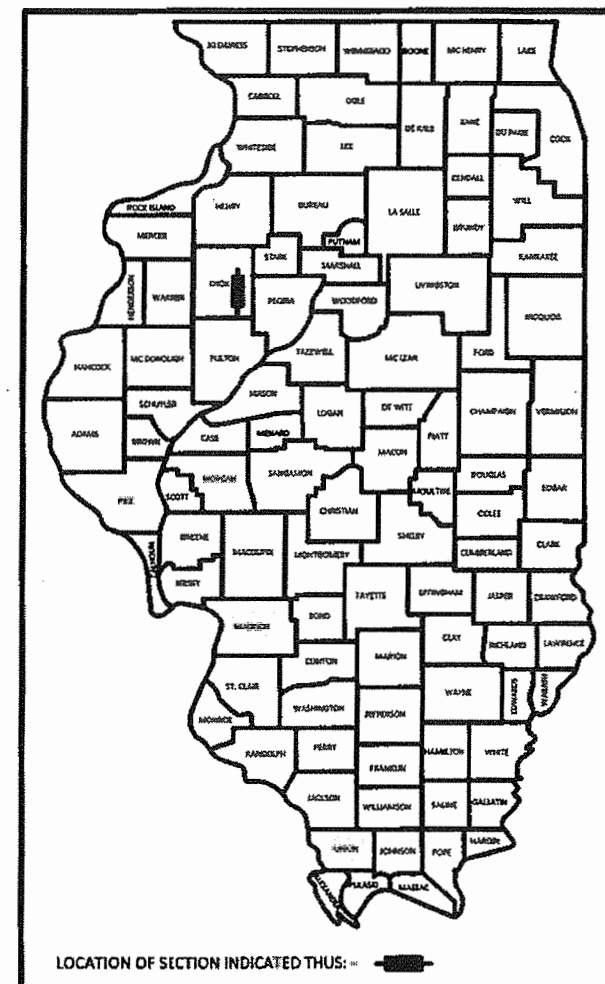
DISTRICT 4 STANDARDS

- |           |  |
|-----------|--|
| 440101-D4 | HOT MIX ASPHALT SURFACE REMOVAL OVER PATCHES |
| 780001-D4 | TYPICAL PAVEMENT MARKINGS                    |

# PROPOSED HIGHWAY PLANS

FAS ROUTE 1400 (HENDERSON ROAD)  
STU SECTION 20-00028-00-RS  
PROJECT 1S42 (935)  
HENDERSON ROAD RESURFACING  
CITY OF KNOXVILLE  
KNOX COUNTY

C-94-084-20

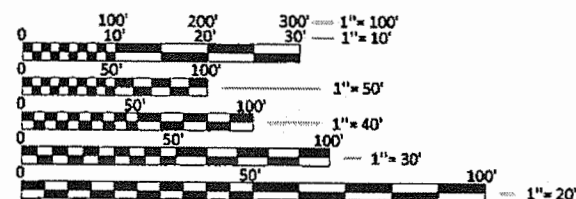


FUNCTIONAL CLASSIFICATION  
MINOR ARTERIAL

2017 ADT = 4900  
P.V. = 93% S.U. = 6% M.U. = 1%

PROJECT DESCRIPTION

THIS PROJECT INCLUDES COLD MILLING OF THE EXISTING PAVEMENT 1 1/4" AND REPLACING WITH 1 1/4" OF HMA SURFACE COURSE AND SIDEWALK RAMPS IN ACCORDANCE WITH A.D.A. & THE APPLICABLE STANDARDS.

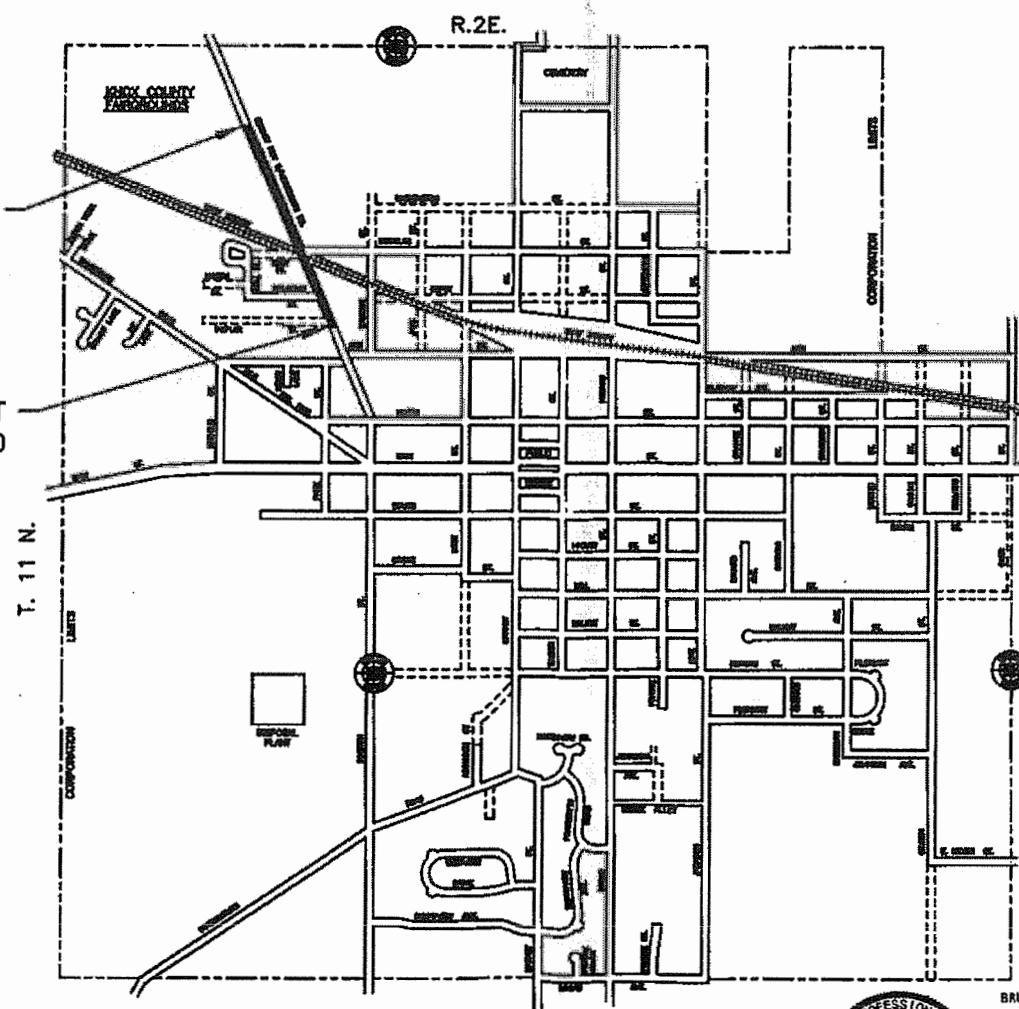


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

IMPROVEMENT PROJECT  
ENDS STA. 17+25.00

IMPROVEMENT PROJECT  
BEGINS STA. 00+00.00



GROSS LENGTH = 1725 FT. = 0.33 MILE  
NET LENGTH = 1725 FT. = 0.33 MILE



BRUNER, COOPER AND ZUCK, INC  
SIGNED THIS 13 DAY OF May 2021

KEVAN J. COOPER,  
ILLINOIS LICENSED PROFESSIONAL ENGINEER NO. 49735  
LICENSE RENEWAL DATE: 11/30/2021

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED 5/13/2021  
K. J. Cooper  
CITY OF KNOXVILLE MAYOR

PASSED 05-28-2021  
[Signature]  
DISTRICT 4 ENGINEER OF LOCAL ROADS AND STREETS

RELEASED FOR BID  
BASED ON LIMITED  
REVIEW May 28 2021  
[Signature]  
REGION THREE ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

PROJECT ENGINEER: KEVAN COOPER  
PROJECT MANAGER: KEVAN COOPER  
CONTRACT NO.: 89791  
CATALOG NO.: 036062-00D

**GENERAL NOTES**

- UNDERGROUND GAS, TELEPHONE AND OTHER UTILITY INFORMATION SHOWN ON THESE PLANS WAS COMPILED FROM PREVIOUS SITE PLANS, UTILITY COMPANY MAPS, AND FIELD LOCATION OF VISIBLE STRUCTURES SUCH AS MANHOLES, VALVES, JUNCTION BOXES, ETC. IN ALL CASES, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ANY UNDERGROUND UTILITIES THAT MAY AFFECT HIS WORK PRIOR TO ANY ON SITE CONSTRUCTION. THE J.U.L.I.E. TELEPHONE NUMBER FOR THE KNOXVILLE AREA IS 1-800-892-0123.
- "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2016, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, ALONG WITH THE PROJECT SPECIAL PROVISIONS, SHALL GOVERN CONSTRUCTION OF THIS PROJECT.
- UTILITY COMPANIES:
  - ELECTRIC & GAS: AMEREN IP  
1824 KNOX HIGHWAY 9  
GALESBURG, ILLINOIS 61401  
MS. JULIE CONE  
309/345-5107
  - CABLE TV: COMCAST  
533 N. HENDERSON ST.  
GALESBURG, ILLINOIS 61401  
MR. TIM LARKINS  
309/342-5342
  - TELEPHONE: CENTURY LINK  
100 N. CHERRY ST.  
GALESBURG, ILLINOIS 61401  
MR. DARREL SCHMIDT  
309/477-0255
  - SANITARY SEWER: CITY OF KNOXVILLE  
CITY HALL  
KNOXVILLE, ILLINOIS 61448  
MR. BILL BRESAW  
309/289-2814
  - WATER: CITY OF KNOXVILLE  
WATER DEPARTMENT  
KNOXVILLE, ILLINOIS 61448  
MR. BILL BRESAW  
309/289-2814
- ALL EXISTING GRASS AREAS DISTURBED DURING CONSTRUCTION SHALL BE SEEDED IN CONFORMANCE WITH THE "STANDARD SPECIFICATIONS" AND THE PROJECT SPECIAL PROVISIONS.
- BENCHMARKS:  
TBM #1 ELEV. = 762.77 TOP STEM FIRE HYDRANT, N. SIDE OF INTERSECTION NORTH ST. AND US. 150  
TBM #2 ELEV. = 776.86 NAIL IN POWER POLE, FIRST POLE N. OF POPLAR AND HENDERSON ON WEST SIDE OF STREET
- ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 109.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.
- CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE HOT-MIX ASPHALT SURFACE. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCES, TURN LANES, ETC. WILL BE ALLOWED.
- POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) RATES
 

SURFACE TYPE	RESIDUAL RATE
MILLED (HMA OR PCC)	0.05 LB/SF

COMMITMENTS:  
COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.  
NO COMMITMENTS WERE MADE FOR THIS PROJECT.

**COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12**

BEGIN	END	LENGTH
STA. 2+88.1 20.0' LT	STA. 2+95.3 34.0' LT	14.0'
STA. 3+26.6 39.0' LT	STA. 3+34.7 17.0' LT	23.2
STA. 4+80.8 16.5' RT	STA. 5+23.4 16.5' RT	42.6
STA. 7+48.5 16.5' RT	STA. 8+10.0 16.5' RT	61.5
STA. 10+07.0 16.5' LT	STA. 10+38.7 16.5' LT	31.7
		173 L.F.

**HOT-MIX ASPHALT AND CLASS D PATCH MIXTURE REQUIREMENTS**

MIXTURE USE(S)	SURFACE COURSE & CLASS D PATCHES
AC/PC:	SBS 64-28 AC
DESIGN AIR VOIDS:	4% @ N (des) = 50
MIXTURE COMPOSITION:	IL 9.5
(GRADATION MIXTURE):	
FRICTION AGGREGATE:	MIXTURE D
QUALITY MANAGEMENT:	QC/QA

**CLASS D PATCHES, TYPE II, 10 INCH**

ASSUMPTION: THIS ITEM SHALL BE USED AT DISCRETION OF THE RESIDENT ENGINEER TO PATCH ROADWAY AFTER MILLING OPERATIONS AS NEEDED

SUMMARY OF QUANTITIES			
CODE NUMBER	ITEM	UNIT	QUANTITY
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	240
40600990	TEMPORARY RAMP	SQ YD	50
40604160	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	363
42400800	DETECTABLE WARNINGS	SQ FT	10
44000154	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/4"	SQ YD	5175
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	173
44000600	SIDEWALK REMOVAL	SQ FT	240
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	259
60609200	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12	FOOT	173
67100100	MOBILIZATION	L SUM	1
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	3450
X0300004	BITUMINOUS MATERIALS (TACK COAT), SPECIAL	POUND	2329
X0326275	RAILROAD RIGHT-OF-WAY ENTRY PERMIT	EACH	1
X2800500	INLET PROTECTION SPECIAL	EACH	5
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1

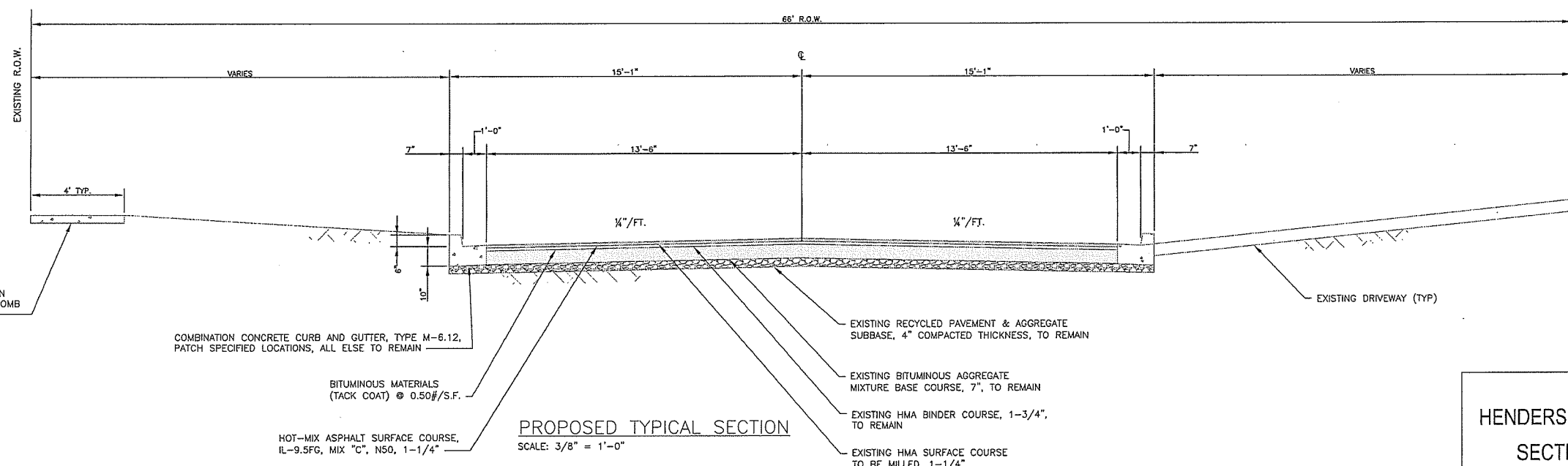
**△ SPECIALTY ITEMS**

**LEGEND**

EXISTING	PROPOSED	EXISTING	PROPOSED

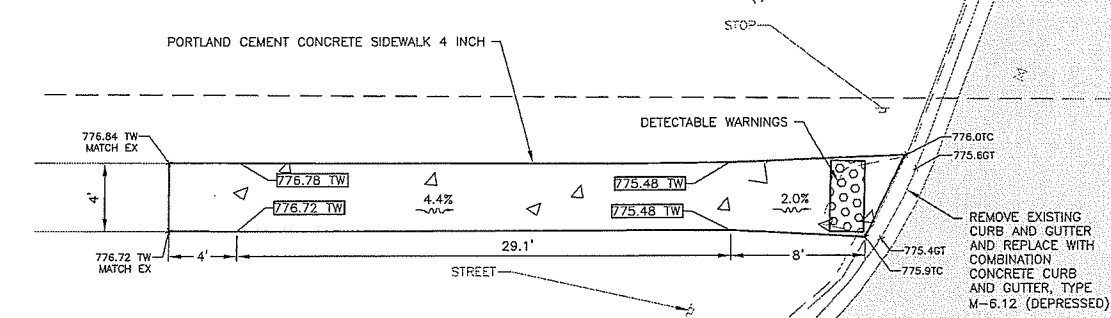
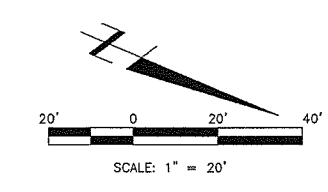
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1400	20-00028-00-RS	KNOX	5	2

ILLINOIS CONTRACT NO. 89791

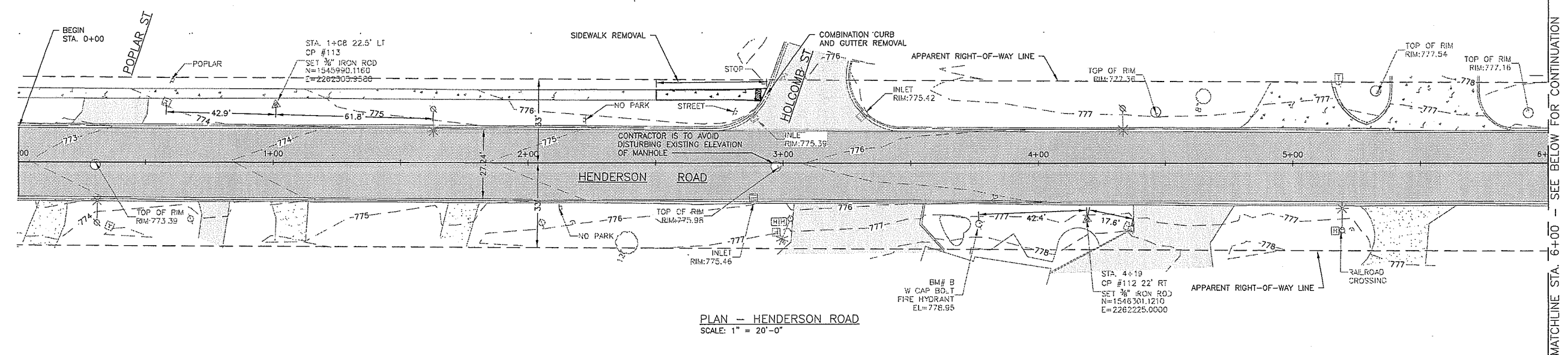


**PLAN VIEW**  
**HENDERSON ROAD RESURFACING**  
**SECTION # 20-00028-00-RS**

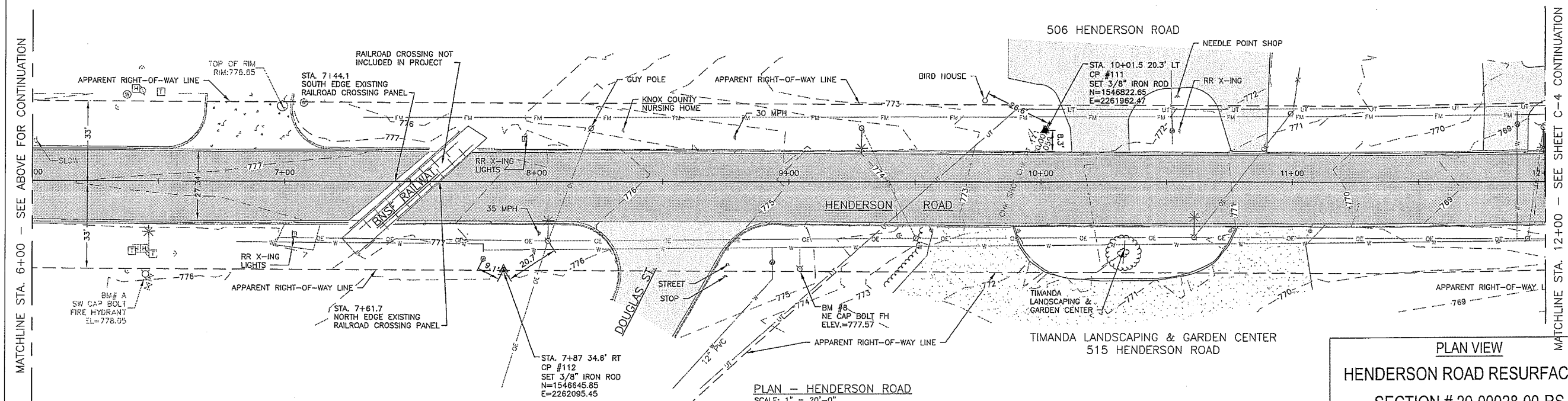
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1400	20-00028-00-RS	KNOX	5	3
		ILLINOIS	CONTRACT NO. 89791	



PLAN - SIDEWALK REPLACEMENT  
SCALE: 1" = 5'-0"



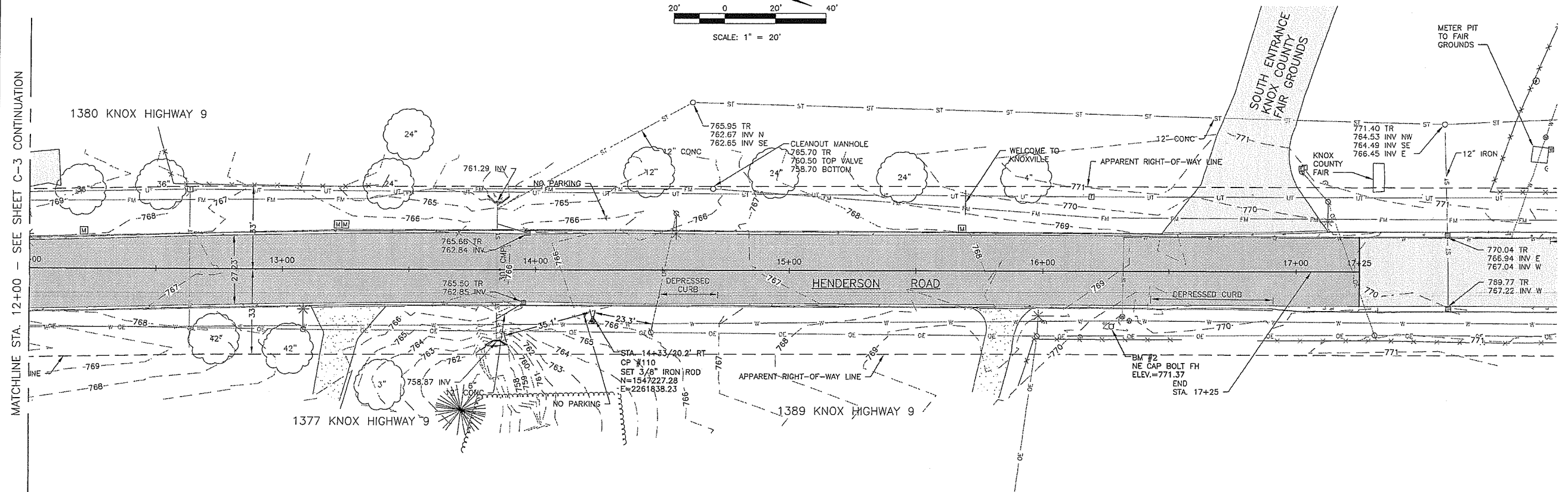
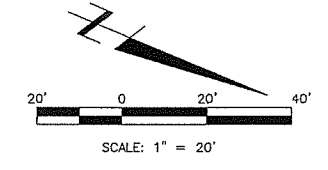
PLAN - HENDERSON ROAD  
SCALE: 1" = 20'-0"



PLAN - HENDERSON ROAD  
SCALE: 1" = 20'-0"

PLAN VIEW  
HENDERSON ROAD RESURFACING  
SECTION # 20-00028-00-RS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1400	20-00028-00-RS	KNOX	5	4
		ILLINOIS	CONTRACT NO. 89791	

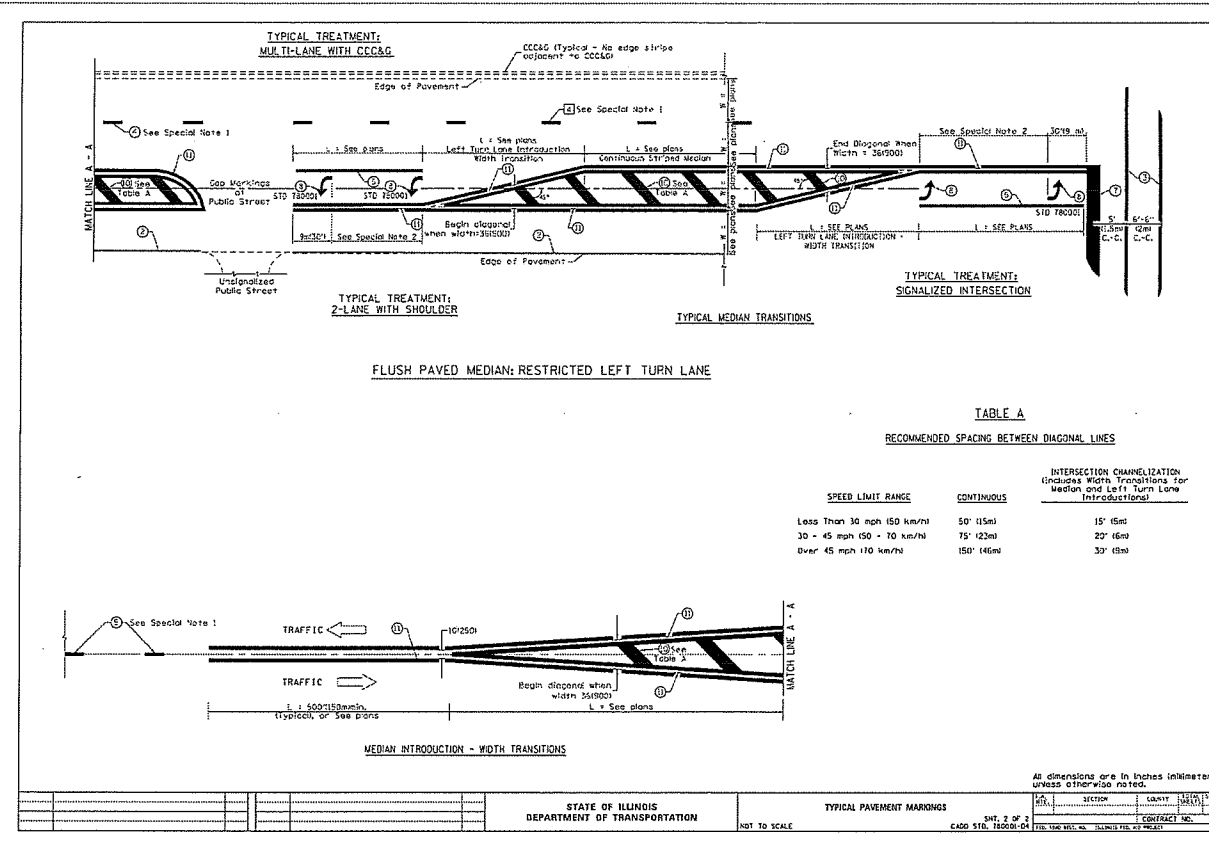
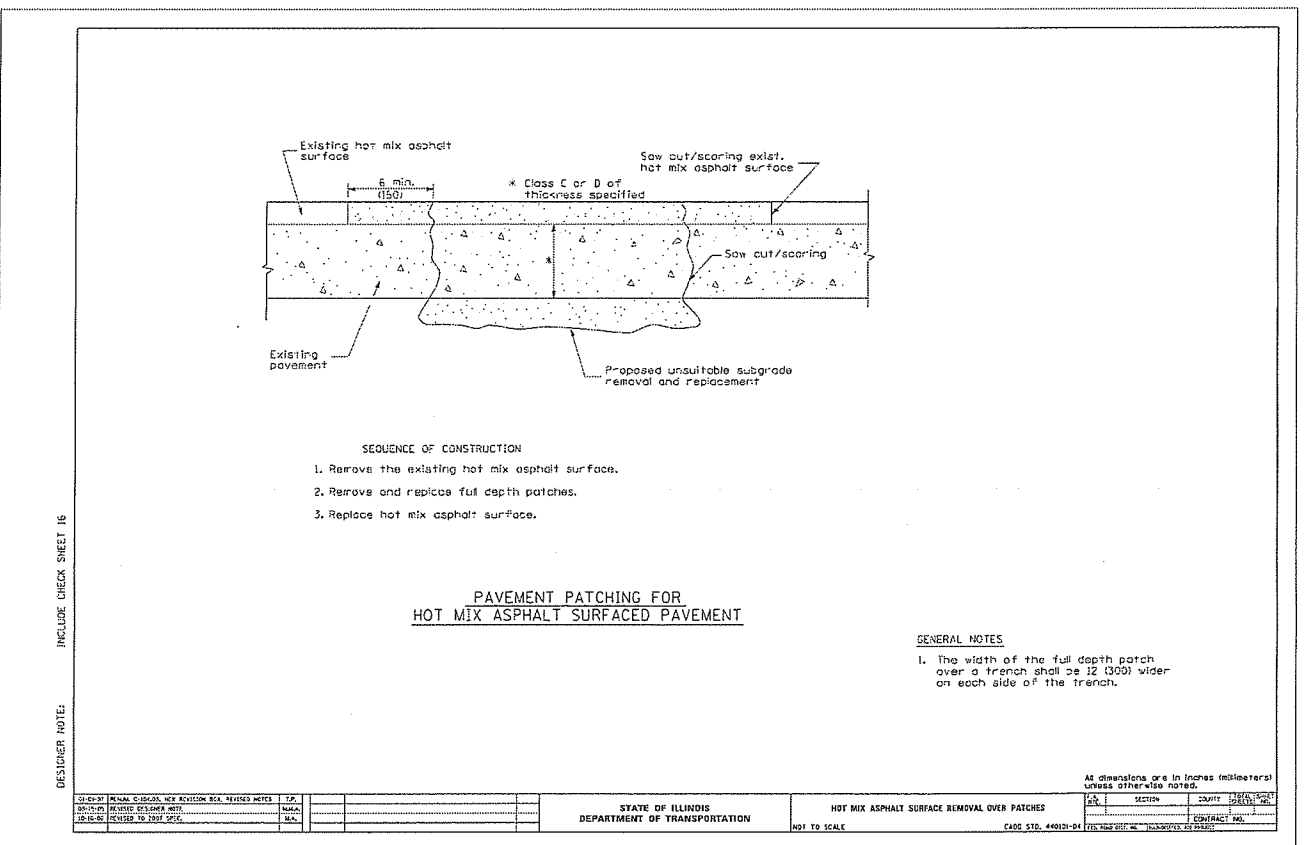
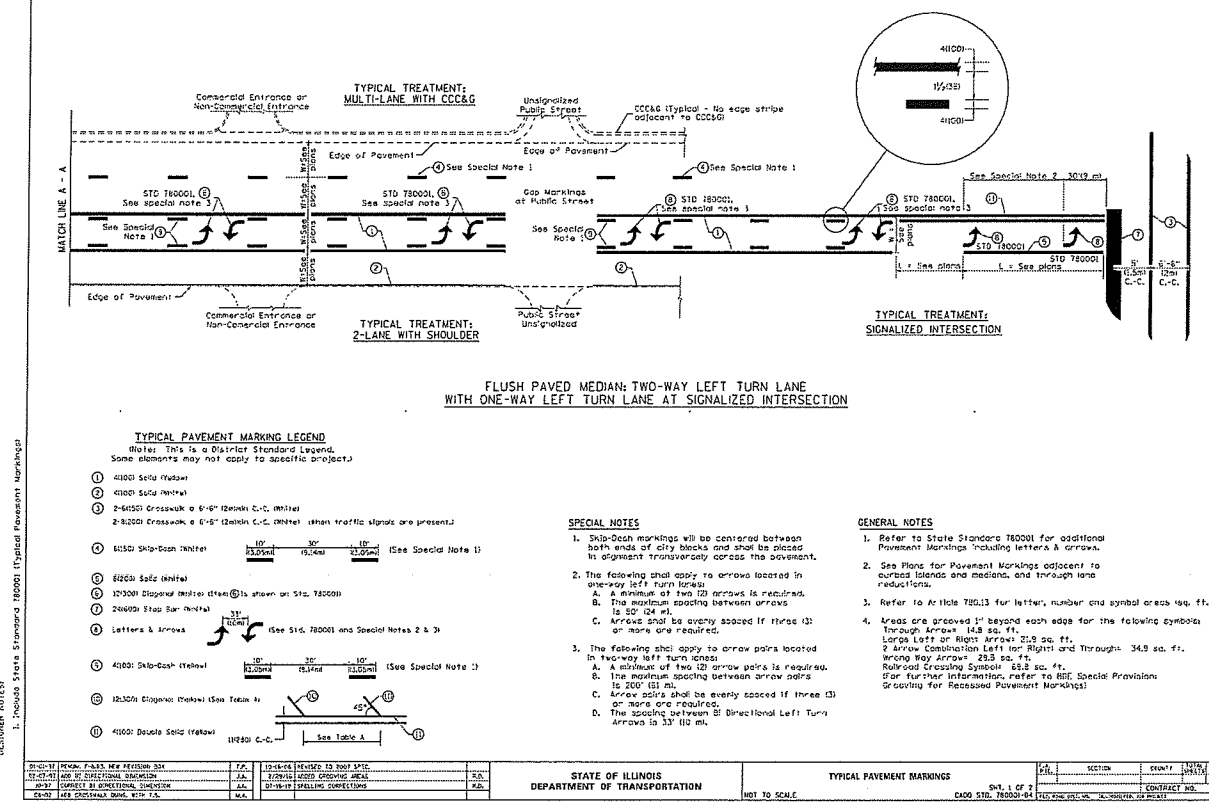


PLAN - HENDERSON ROAD  
SCALE: 1" = 20'-0"

MATCHLINE STA. 12+00 - SEE SHEET C-3 CONTINUATION

PLAN VIEW  
HENDERSON ROAD RESURFACING  
SECTION # 20-00028-00-RS

P.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1400	20-00028-00-R5	KNOX	5	5
	ILLINOIS	CONTRACT NO. 89791		



PLAN VIEW  
HENDERSON ROAD RESURFACING  
SECTION # 20-00028-00-R5