

CO. HWY.#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	11-00041-03-RS	McLEAN	8	1

INDEX OF SHEETS

- 1. Cover Sheet
- 2-3. Typical Cross Sections
- 4-6. Plan View Sheets
- 7. Typical Details
- 8. Intersection Detail

04-27-12 LETTING ITEM 058

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

McLEAN COUNTY F.A.S. ROUTE 489
SEC: 11-00041-03-RS
PROJECT: RS-0489(108)
LEROY-LEXINGTON RD (CH 21)
RESURFACE
JOB NO: C-95-312-12
FUNDING: STR FUNDS

STATE STANDARD DETAILS

- 606001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701001-02 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
- 701006-03 OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701011-02 OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-03 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
- 701901-02 TRAFFIC CONTROL DEVICES
- 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- B.L.R. 23-4 TRAFFIC BARRIER TERMINAL TYPE 1
- B.L.R. 26-3 STEEL PLATE BEAM GUARDRAIL 29" HEIGHT

SUMMARY OF QUANTITIES

ITEM NUMBER	ITEM	UNIT	QUANTITY
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	444
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	3,000
40600300	AGGREGATE (PRIME COAT)	TON	75
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	1,125
40600982	HMA SURFACE REMOVAL - BUTT JOINT	SQ YD	1,037
40600990	TEMPORARY RAMP	SQ YD	34
40603080	HMA BINDER COURSE, IL-19.0, N50	TON	3,000
40603310	HMA SURFACE COURSE, MIX "C", N50	TON	2,200
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GAL	115
40800030	AGGREGATE (PRIME COAT)	TON	3
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	115
44300100	AREA REFL CRACK CNTRL TREATMENT, SYSTEM A	SQ YD	29,150
48101200	AGGREGATE SHOULDERS, TYPE B	TON	2,650
60609800	COMB. CONCRETE CURB & GUTTER, TYPE M-6.18	Foot	300
* 63000001	SPBGR, TYPE A, 6' POSTS	Foot	37.5
* X6330227	VERT. ADJ. OF TRAFF. BARRIER TERM, TYPE 1	EACH	2
67100100	MOBILIZATION	L.S.	1
X7010216	TRAFFIC CONTROL & PROTECTION (SPECIAL)	L.S.	1
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	157
* LR631020	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	2
* Z0000200	ADJUST EXISTING GUARD RAIL	Foot	450

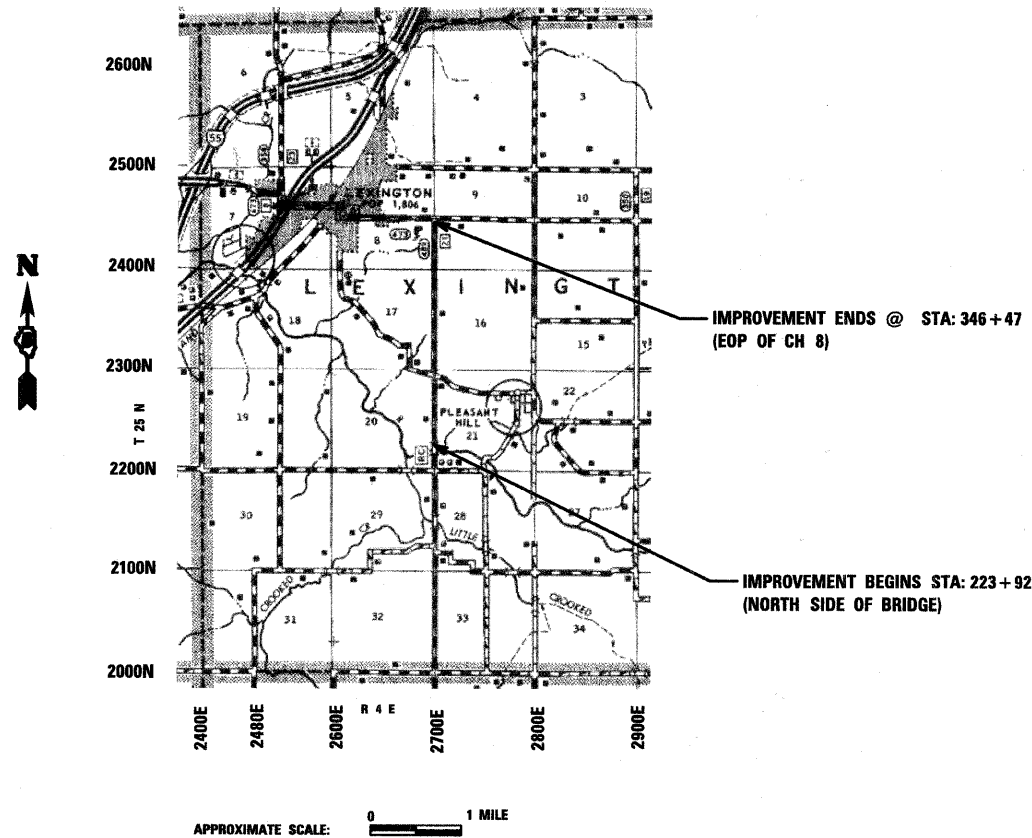
* SPECIALTY ITEMS

UTILITIES CORN BELT & FRONTIER

THESE PLANS ARE NOT TO SCALE

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

CONTRACT NO. 91466



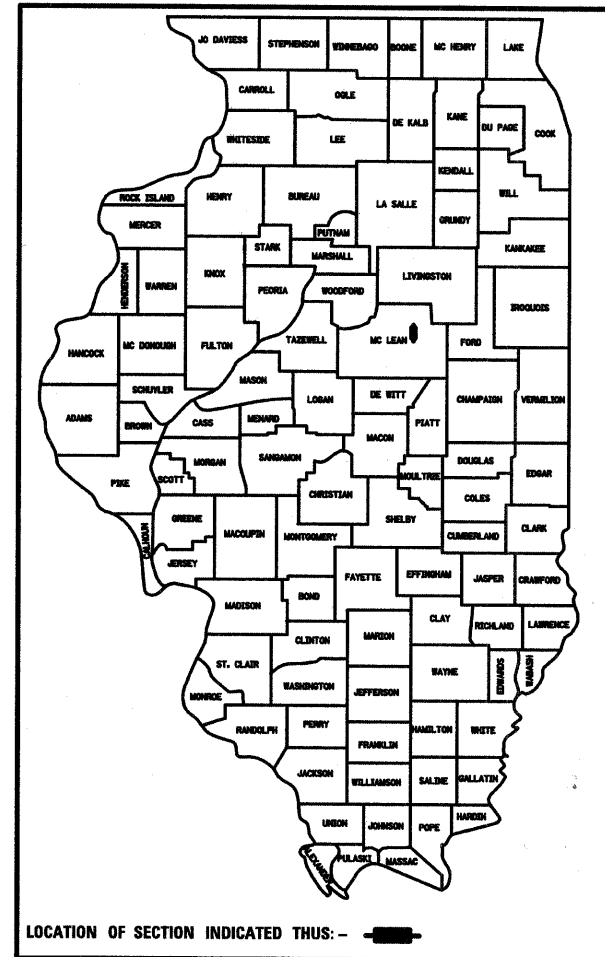
NOTE: THE TOTAL LENGTH OF THE PROPOSED PROJECT IS 12,255 FEET WITH A NET LENGTH OF 12,255 FEET (2.32 MILES)

NOTE: THESE PLANS MEET THE MINIMUM REQUIREMENTS FOR A 3R IMPROVEMENT.

NOTE: CURRENT ADT: 610
FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR



ILLINOIS PROFESSIONAL ENGINEER #57636
EXPIRES 11-30-13



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY

Approved 1/6/2012
E. J. [Signature]
County Engineer

Passed January 23, 2012
[Signature]
District Five Engineer of
Local Roads & Streets

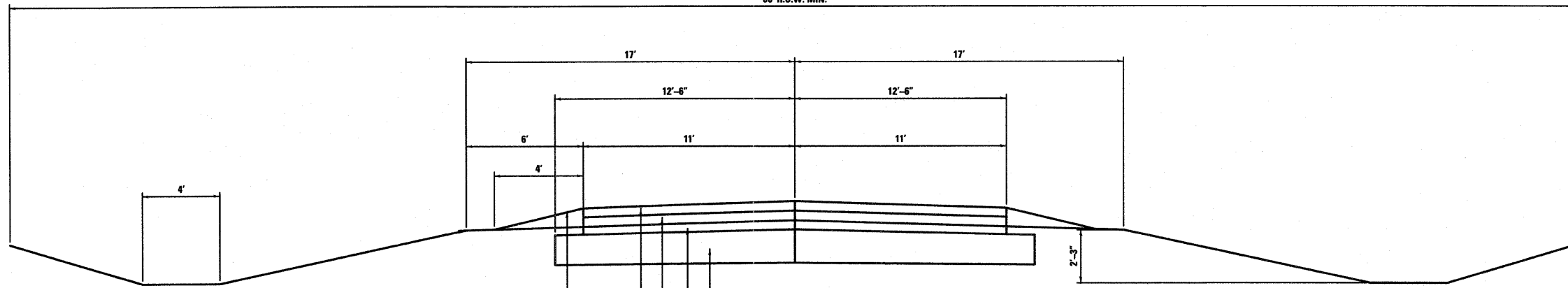
Releasing For
Bid Based on
Limited Review
JANUARY 25, 2012
[Signature]
Deputy Director of Highways,
Region Three Engineer

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OF THE STATE OF ILLINOIS**

EXISTING CROSS SECTION

SEC. 11-00041-03-RS
 LEROY-LEXINGTON RD (CH 21)
 STA: 223+92 TO 346+47

80' R.O.W. MIN.

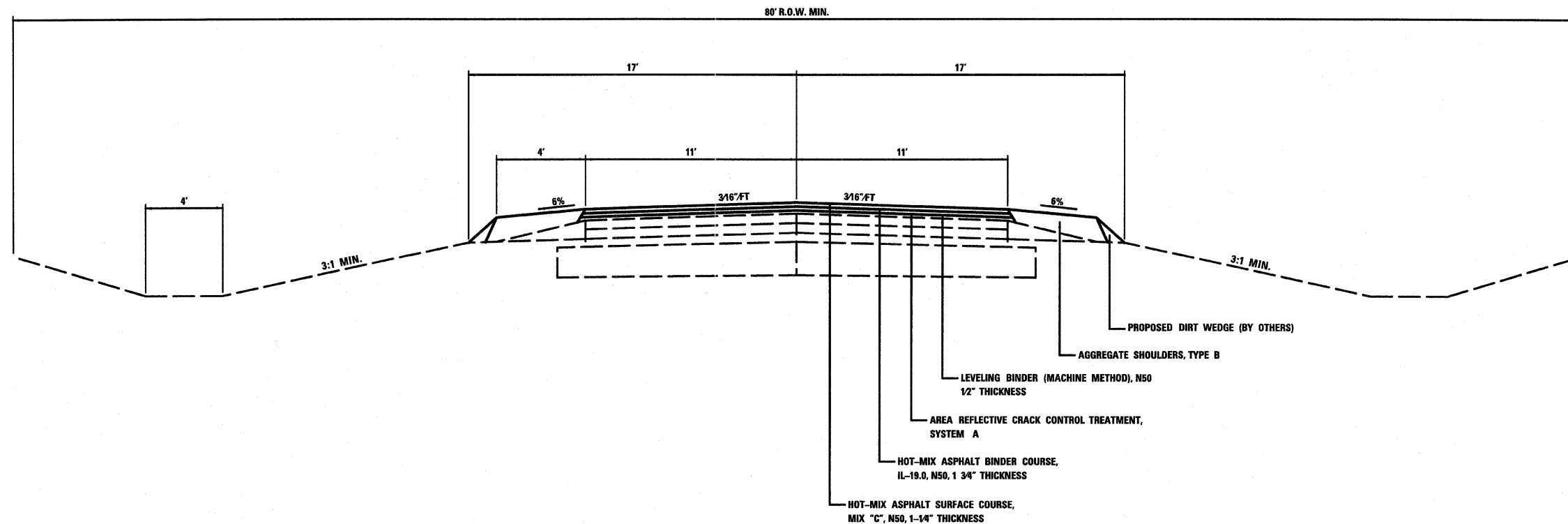


- EXISTING AGGREGATE SHOULDERS TYPE "B"
- EXISTING HMA SURFACE COURSE, MIX "C",
CLASS I, TYPE 2, 1 1/4" SURFACE
- EXISTING HEATER SCARIFYING WITH ASPHALT MODIFIER
- EXISTING HMA SURFACE COURSE, CLASS I
- EXISTING AGGREGATE BASE COURSE 12" THICKNESS

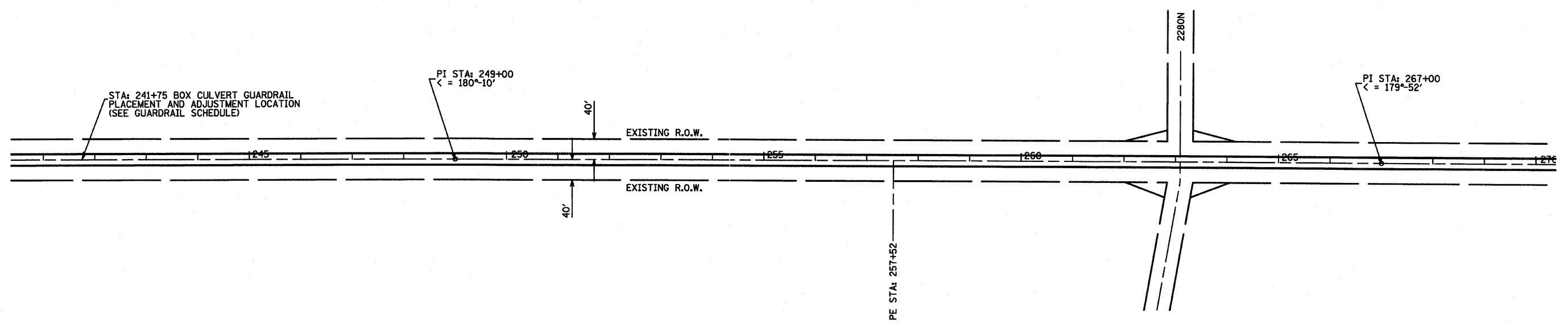
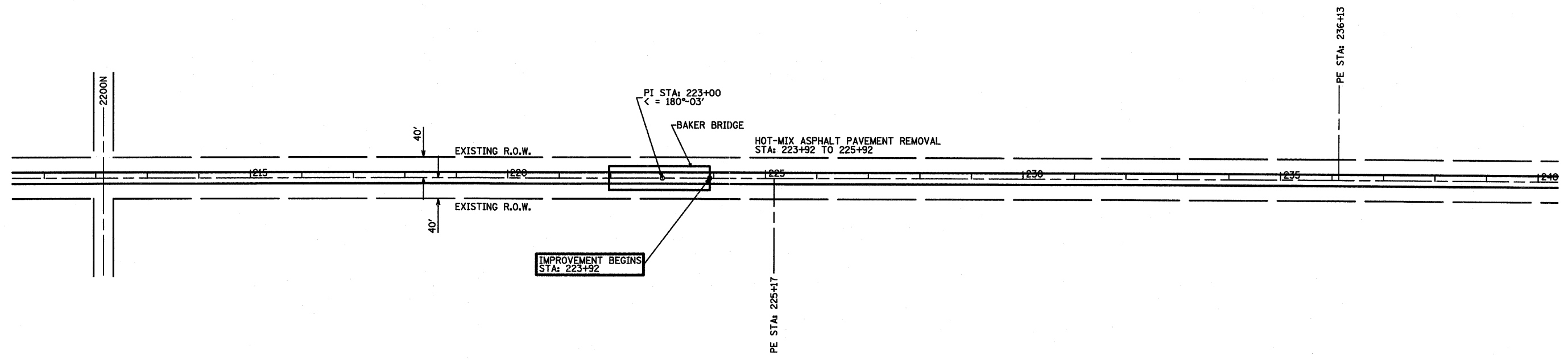
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TYPICAL CROSS SECTION

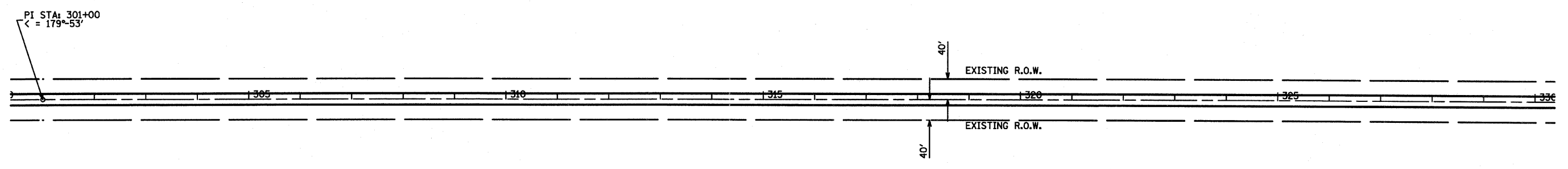
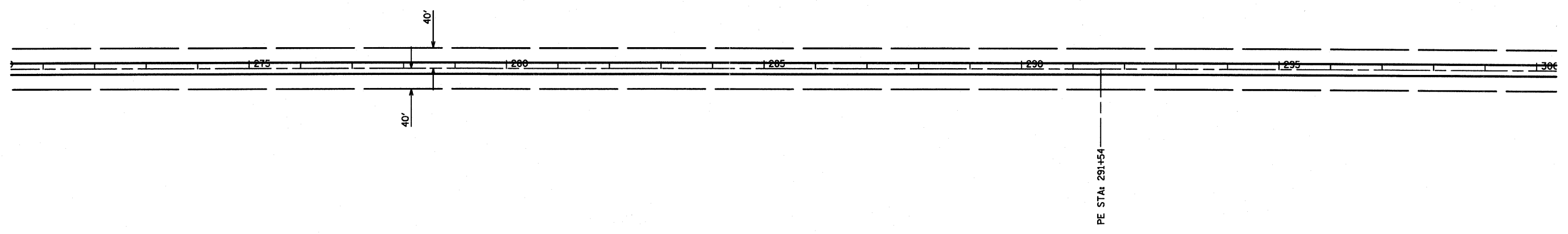
SEC. 11-00041-03-RS
 LEROY-LEXINGTON RD (CH 21)
 STA: 223+92 TO 346+47



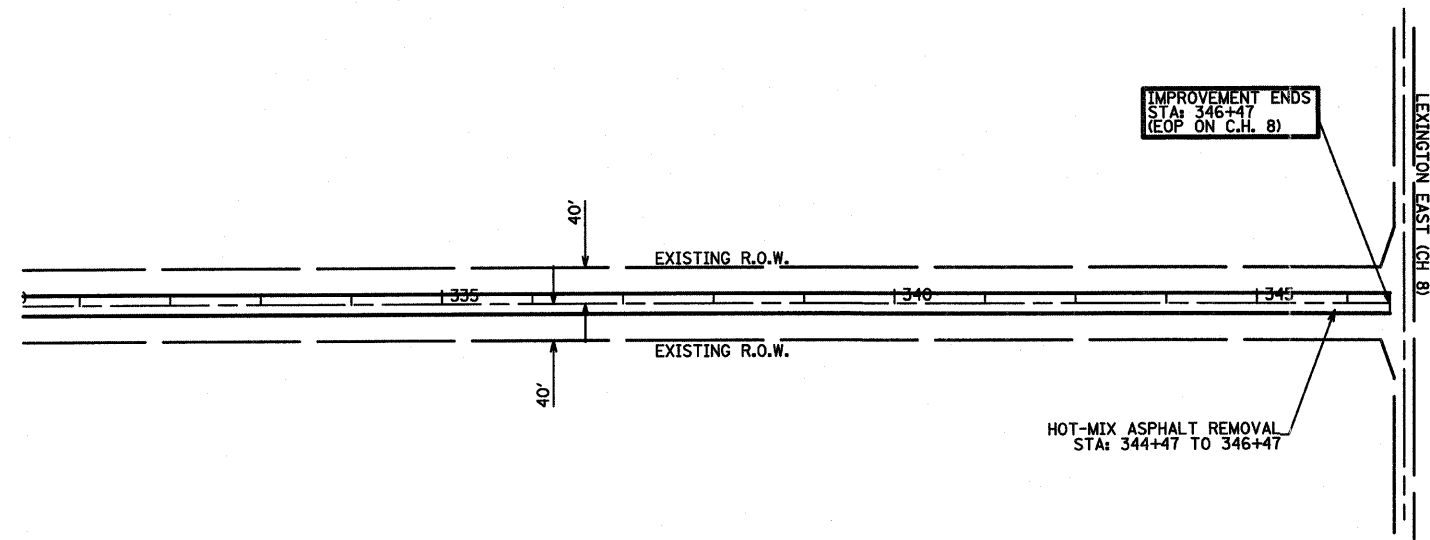
STRUCTURAL DESIGN DATA 80,000#					
CLASS III ROAD DESIGN PERIOD 20 YEARS					
CURRENT A.D.T.		554			
STUCTURAL DESIGN TRAFFIC:		676	YEAR:	2031	
PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:					
P.C.	88%	S.U.	7%	M.U.	5%
P.C.	595	S.U.	47	M.U.	34
MINIMUM SOIL SUPPORT:		IBR = 3.0			
TRAFFIC FACTOR (T.F.)=		0.182			
STRUCTURAL NUMBER (Dt)=		3.2			
PAVEMENT STUCTURE MATERIALS:					
SURFACE:	PROPOSED BITUMINOUS CONCRETE	2.75 @ 0.40	a1=	1.10	
BASE:	EXISTING BITUMINOUS CONCRETE	2.25 @ 0.23	a2=	0.52	
BASE:	EXISTING BITUMINOUS (SCARIFIED)	3 @ 0.15	a3=	0.45	
SUBBASE:	EXISTING AGGREGATE BASE COURSE	12 @ 0.10	a4=	1.20	
PROPOSED Dt TOTAL					3.27



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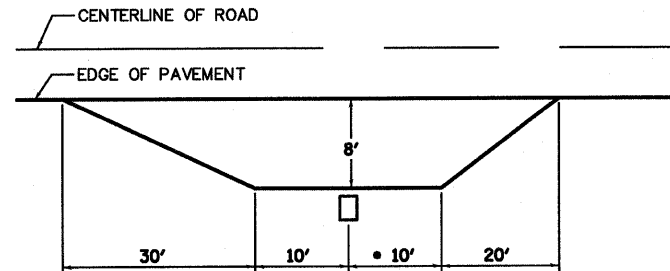


STEEL PLATE BEAM GUARD RAIL SCHEDULE

STATION	APPROACH (FT.)	TYPE 1 TERMINAL (EA.)	ADJUST GUARDRAIL (FT.)	ADJUST TYPE 1 TERMINAL (EA.)
241+75 LT.	12.5	1	225	1
241+75 RT.	25	1	225	1
TOTALS	37.5	2	450	2

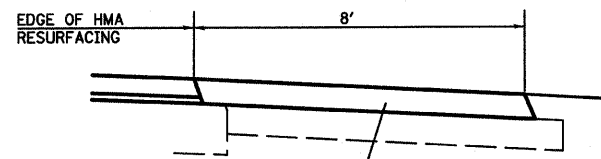
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PLOT DATE = *DATE*	CHECKED - - - -	REVISED - - - -	REVISED - - - -		SCALE: _____	SHEET NO. 3 OF 3 SHEETS	STA. 331+00 TO STA. 346+47	CONTRACT NO. 91466				
	DATE - - - - -	REVISED - - - -	REVISED - - - -		ILLINOIS FED. AID PROJECT							

TYPICAL MAILBOX TURNOUT
3 @ 41 SQ YD EACH



NOTE: • MULTIPLE MAILBOX CLUSTERS TO BE EXTENDED 2' FOR EACH ADDITIONAL MAILBOX

PLAN A

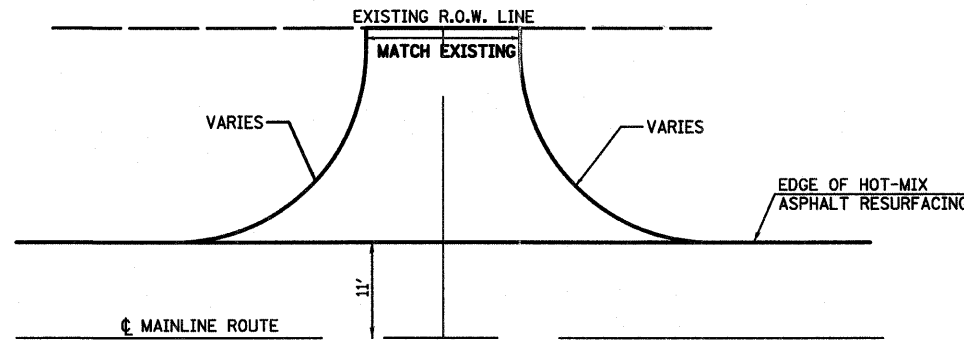


INCIDENTAL HMA SURFACING SHALL BE THE SAME THICKNESS AS THE ADJACENT HMA RESURFACING

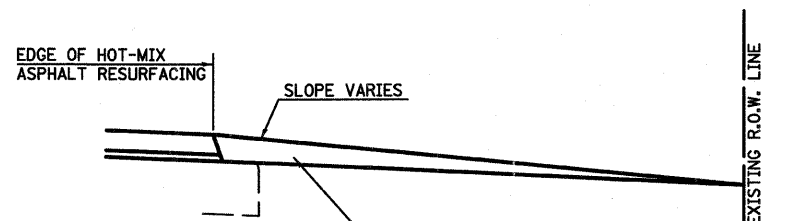
PROFILE A

TYPICAL SIDE ROAD DETAIL

1 @ STA: 263+09 (PLEASANT HILL RD) = 95 SQ YDS
1 @ STA: 263+09 (PLEASANT HILL RD) = 122 SQ YDS



PLAN B

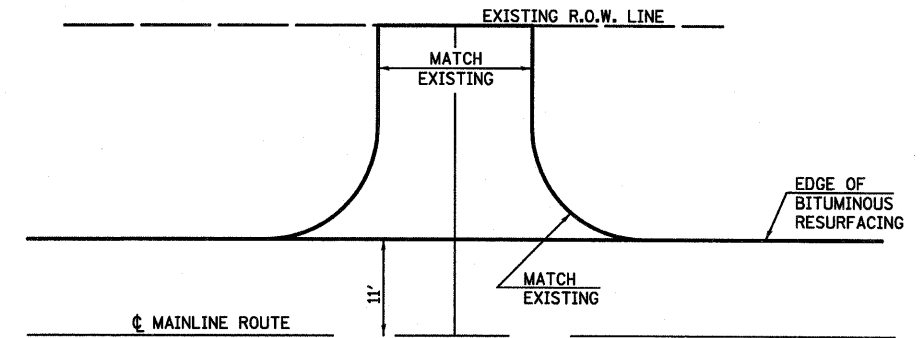


INCIDENTAL HMA SURFACING SHALL BE THE SAME THICKNESS AS THE ADJACENT HMA RESURFACING TAPERING TO EXISTING SURFACE AT R.O.W. LINE UNLESS OTHERWISE SPECIFIED BY ENGINEER

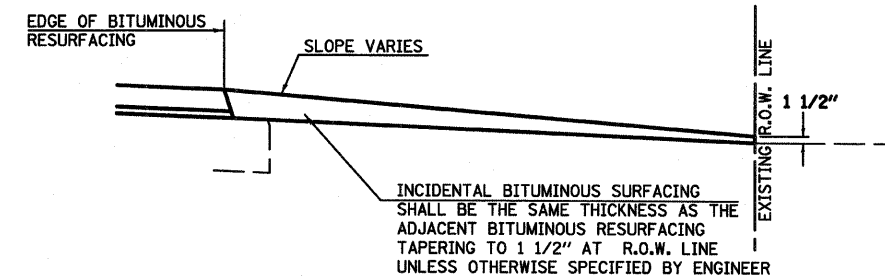
PROFILE B

TYPICAL PRIVATE ENTRANCE

1 @ STA: 225+17 = 45 SQ YDS
1 @ STA: 236+13 = 50 SQ YDS
1 @ STA: 257+52 = 40 SQ YDS
1 @ STA: 291+54 = 48 SQ YDS



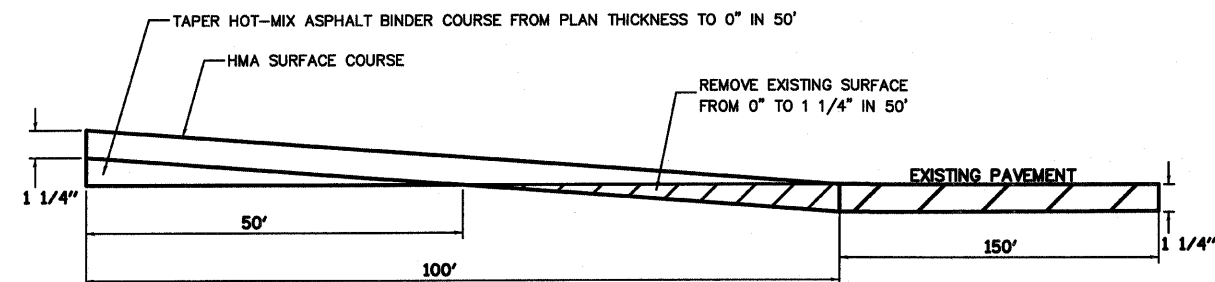
PLAN C



PROFILE C

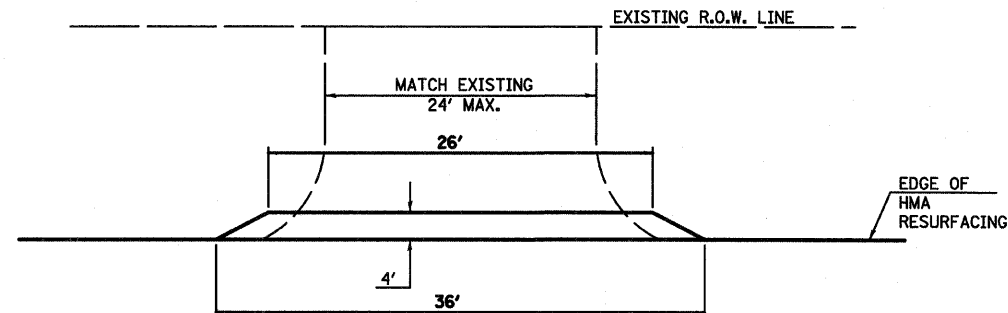
TYPICAL HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT

1 @ 489 SQ YDS STA: 223+92 (BEGINNING STATION)
1 @ 548 SQ YDS STA: 346+47 (ENDING STATION)

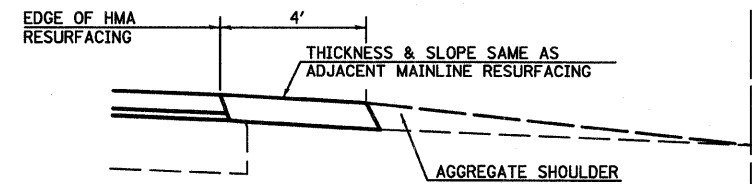


TYPICAL FIELD ENTRANCE

16 @ 13.8 SQ YDS



PLAN D

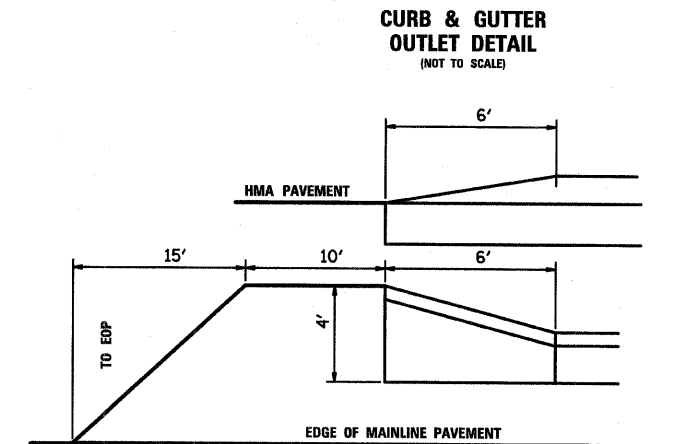
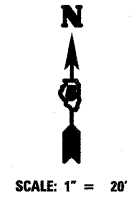
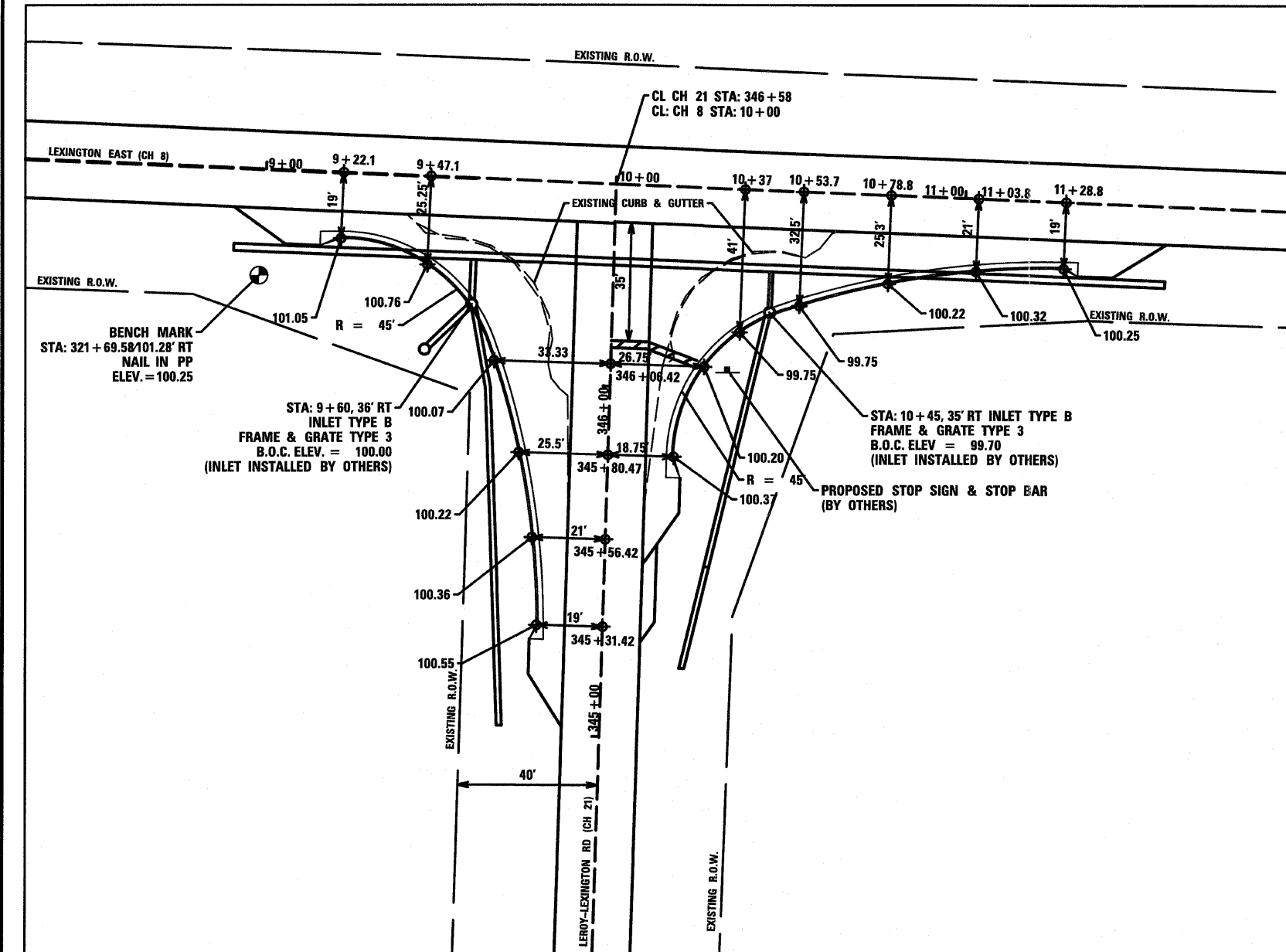


PROFILE D

NOTES:

- ALL TEMPORARY & PERMANENT PAVEMENT STRIPING WILL BE DONE BY OTHERS.
- ALL FIELD ENTRANCES SHALL BE CONSTRUCTED WITH THE EXTENDABLE SCREED WIDENER AND PAID FROM HOT-MIX ASPHALT SURFACE COURSE.
- ALL SIDE ROAD RETURNS, PRIVATE ENTRANCES, AND RURAL MAILBOX TURNOUTS ARE TO BE CONSTRUCTED AND PAID FROM INCIDENTAL HOT-MIX ASPHALT SURFACING.
- AGGREGATE SHOULDERS SHALL BE PLACED ALONG ALL SIDEROAD RETURN RADII AND SHALL BE PLACED ALONG AND BEHIND ALL FIELD ENTRANCES, GUARDRAIL AND GUARDRAIL RUNOUTS, MAILBOX TURNOUTS AND ALL PRIVATE ENTRANCES UNLESS SPECIFIED BY THE RESIDENT ENGINEER.

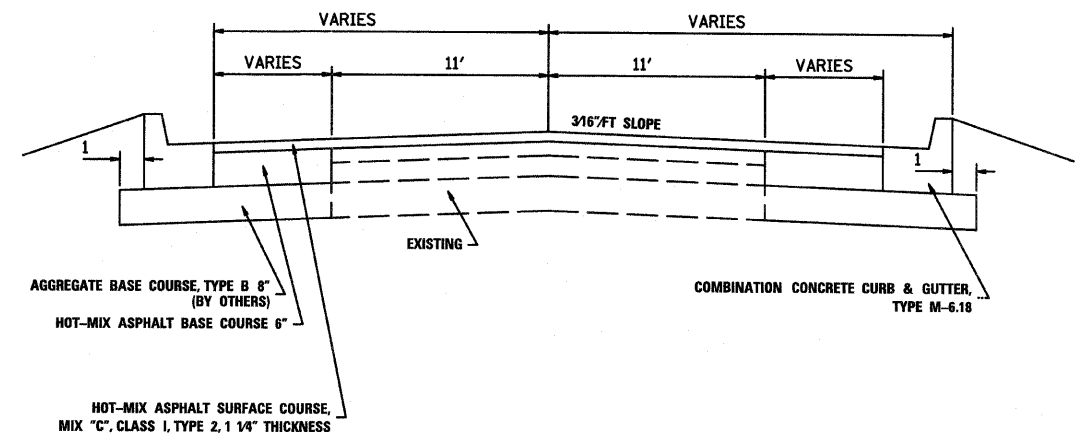
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811E1LS		DRAWN =	REVISED =		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA. 223+92	TO STA. 346+47	489	11-08041-03-RS	McLEAN	8	7
		CHECKED =	REVISED =							COUNTY HIGHWAY 21			
		DATE =	REVISED =							CONTRACT NO. 91466			



INTERSECTION NOTES

- EARTH EXCAVATION AND CURB & GUTTER REMOVAL BY OTHERS PRIOR TO CONTRACT.
- ALL PIPE CULVERT WORK INCLUDING SETTING THE INLETS TO BE DONE BY OTHERS PRIOR TO THE CONTRACT. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SET THE FRAME AND GRATE TYPE 3 (PROVIDED BY OTHERS) TO GRADE AND INCORPORATE INTO PROPOSED CURB & GUTTER. THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT UNIT PRICE OF COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.18. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- AGGREGATE BASE COURSE, TYPE B 8" BY OTHERS PRIOR TO CONTRACT.
- CURB & GUTTER OFFSETS AND ELEVATIONS ARE TO BACK OF CURB.
- HOT-MIX ASPHALT BASE COURSE 6 INCH QUANTITY = 444 SQ YDS. INCLUDED IN PLAN QUANTITY FOR HOT-MIX ASPHALT BASE COURSE 6 INCH.
- COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.18 QUANTITY = 300' INCLUDED IN PLAN QUANTITY FOR COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.18.
- CURB & GUTTER OUTLETS, SHALL BE PAID FOR AS COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.18 AND MEASURED ALONG FACE OF CURB FOR PAYMENT BY THE FOOT AND IS INCLUDED IN PLAN QUANTITY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE FURNISHING AND SPREADING OF BACKFILL BEHIND CURB & GUTTER TO THE SATISFACTION OF THE ENGINEER WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE CONSIDERED INCIDENTAL TO THE COST OF COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.18 AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- HOT-MIX ASPHALT SURFACE COURSE (32 TONS) IN RADII SHALL BE PAID FROM MAINLINE QUANTITIES AND IS INCLUDED IN PLAN QUANTITIES. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL TEMPORARY AND PERMANENT PAVEMENT STRIPPING SHALL BE DONE BY OTHERS.

INTERSECTION REBASE DETAIL
LEROY-LEXINGTON RD (CH 21) & LEXINGTON EAST (CH 8) INTERSECTION



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	PLOT DATE = #DATE#	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL

SCALE: _____ SHEET NO. 1 OF 1 SHEETS STA. 343+00 TO STA. 346+47

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
409	11-00041-03-RS	McLEAN	8	8
CONTRACT NO. 91466				
ILLINOIS FED. AID PROJECT				