

FAS NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	03-00102-00-RS		3	1
PROJECT RS - 332(104)				
CONTRACT # 87326				

INDEX OF SHEETS

- SHEET 1. COVER SHEET
- SHEET 2. TYPICAL CROSS SECTION, STRUCTURAL DESIGN, BUTT JOINT DETAIL, BITUMINOUS MIXTURE TABLE
- SHEET 3. TYPICAL ENTRANCE DETAIL, MAILBOX DETAILS, SIDE ROAD RETURN, VAR. DEPTH MILL DETAIL, GENERAL NOTES

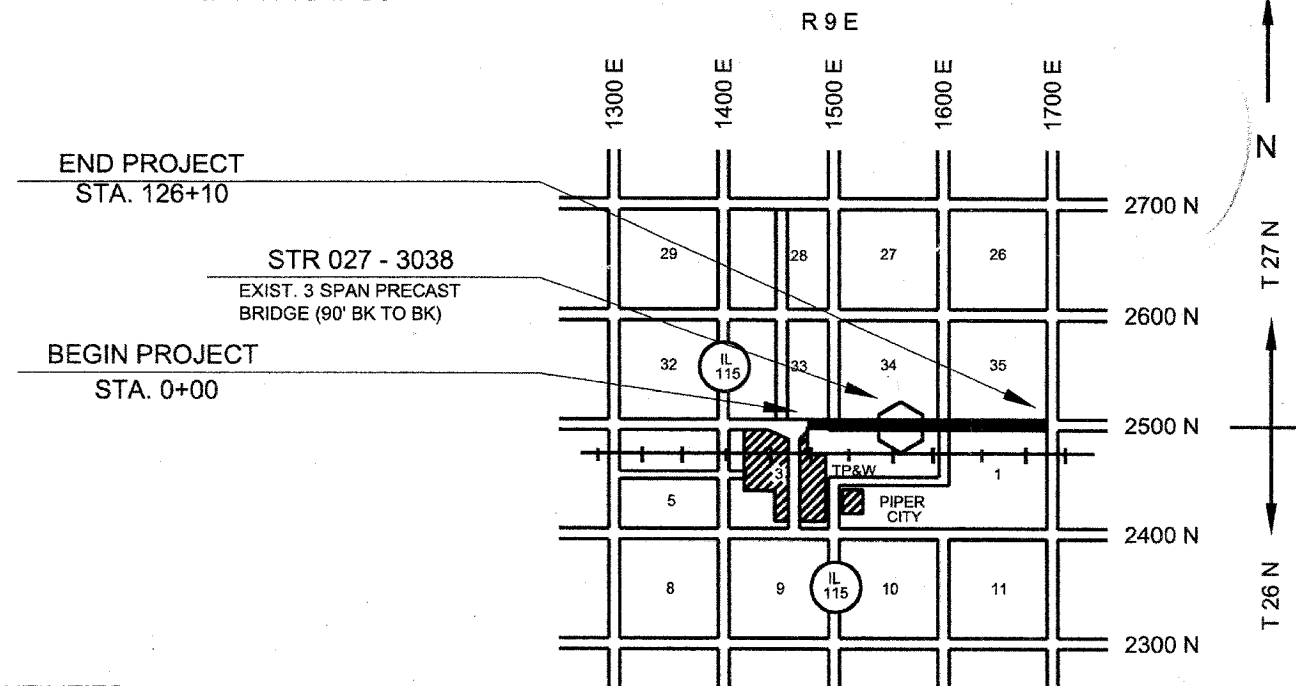
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR
PROPOSED LOCAL AGENCY IMPROVEMENT
FEDERAL-AID SECONDARY PROJECT
C.H.16
F.A.S. ROUTE 332 SECTION 03-00102-00-RS FORD COUNTY
PROJECT RS-332(104)
JOB NO. C-93-061-06

STANDARDS

- 701301-02 LANE CLOSURE 2 LANE, 2 WAY, SHORT TIME OPERATIONS
- 701306-01 LANE CLOSURE 2 LANE, 2 WAY, SLOW MOVING OPERATIONS - DAY ONLY FOR SPEEDS ≥ 45 MPH
- 701311-02 LANE CLOSURE 2 LANE, 2 WAY, MOVING OPERATIONS - DAY ONLY
- 702001-06 TRAFFIC CONTROL DEVICES
- 780001-01 TYPICAL PAVEMENT MARKINGS

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	1000 QUANTITY
* 40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2155
* 40600300	AGGREGATE (PRIME COAT)	TON	28
* 40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	135
* 40600990	TEMPORARY RAMP	SQ YD	22
* 40800040	INCIDENTAL BITUMINOUS SURFACING	TON	45
* 44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	335
* 48101200	AGGREGATE SHOULDERS, TYPE B	TON	935
67100100	MOBILIZATION	L SUM	1
* 70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
* 70300100	SHORT- TERM PAVEMENT MARKING	FOOT	2520
* Δ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	3155
* X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIXTURE C, N50	TON	2390
* X4066765	LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N50	TON	1575
* INDICATES SEE SPECIAL PROVISIONS			
Δ SPECIALTY ITEM			



UTILITIES

UTILITIES ON THIS SECTION AT VARIOUS LOCATIONS INCLUDES TO THE BEST OF OUR KNOWLEDGE:

VERIZON TELEPHONE COMPANY (UNDERGROUND)
OVERHEAD POWER - AMEREN CIPS
UNDERGROUND GAS - NICOR

CONTRACTORS OR SUBCONTRACTORS SHALL CONTACT J.U.L.I.E. (1-800-892-0123) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION OR DRIVING FOR UTILITIES LOCATION

GROSS LENGTH = 12,610' = 2.388 MI.
NET LENGTH = 12,610' = 2.388 MI.
THE PLANS FOR THIS SECTION WERE APPROVED BY THE DEPARTMENT AS SECTION 33Q-1MFT 1974, SECTION 85-00053-00-RS & SECTION 03-00102-00-RS
FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR

CONSTRUCTION TYPE CODE IOOO

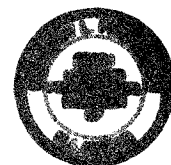
CURRENT (2006) ADT = 350 - 88% PC
9% SU
3% MU

DESIGN ADT (2016) = 375

DESIGN SPEED = 50 MPH

THE ACCEPTANCE OF THIS PROJECT IS BASED ON THE MINIMUM DESIGN STANDARDS FOR THE LOCAL AGENCY PAVEMENT PRESERVATION (L.A.P.P.) POLICY

APPROVED	3-9-2006 <i>Gregory L. Parkinson</i> LOCAL AGENCY OFFICIAL
PASSED	<i>March 22, 2006</i> <i>Harold R. Long</i> DISTRICT ENGINEER OF LOCAL ROADS & STREETS
APPROVED	<i>March 22, 2006</i> <i>Gregory M. Mounts</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



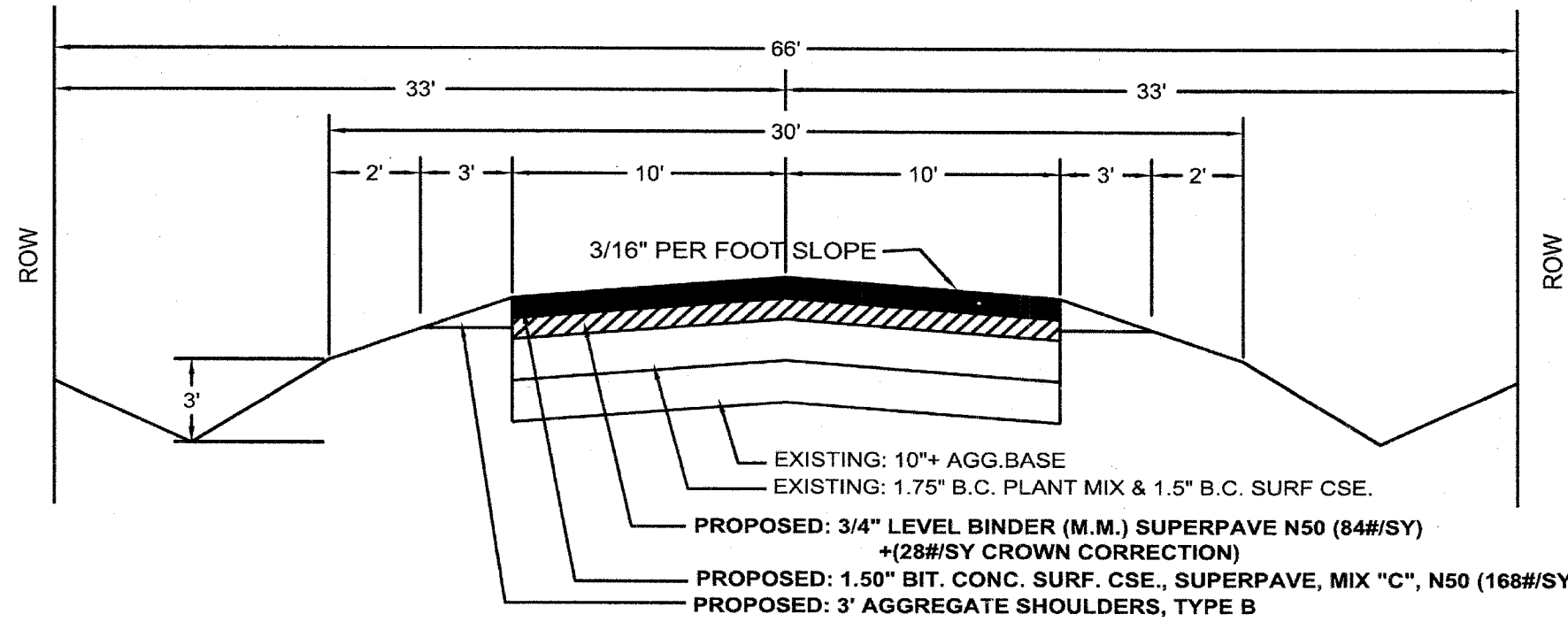
Gregory L. Parkinson
ILLINOIS PROFESSIONAL NO. 062-035801

EXPIRES 11-30-2007

JOB NO. C-93-061-06
CONTRACT NO. 87326

FAS NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	03-00102-00-RS		3	2
PROJECT RS-332(104)				
CONTRACT # 87326				

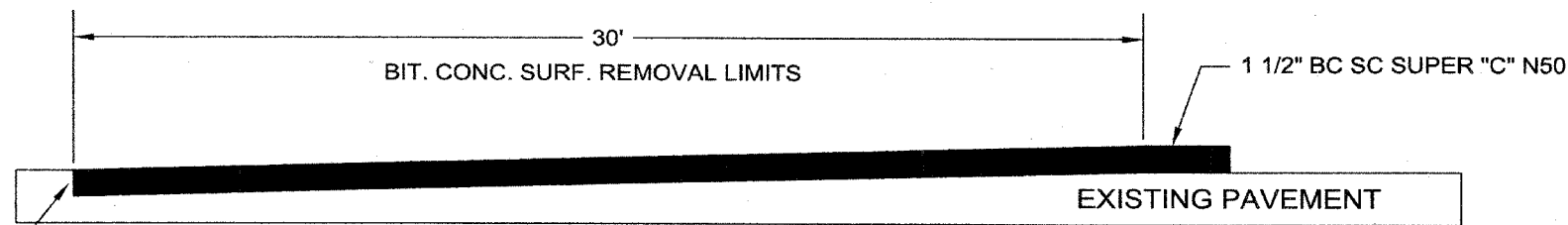
TYPICAL CROSS SECTION
SECTION 03-00102-00-RS (PIPER CITY ROAD)
STATION 0+00 TO 126+10



STRUCTURAL DESIGN
STA. 0+00 TO STA. 126+10
SEC. 03-00102-00-RS

STRUCTURAL DESIGN TRAFFIC YEAR	2016
CURRENT A.D.T.	350
A.D.T. 2016	375
P.C.	330
S.U.	34
M.U.	11
CLASS	IV
MINIMUM SOIL SUPPORT IBV	3
TRAFFIC FACTOR	0.013
Dt REQUIRED	2.10

EXISTING BASE:	
10.0'+ AGGREGATE BASE	10.0" X 0.08 = 0.80
1.75' BIT PLANT MIX (AC)	1.75" X 0.17 = 0.30
1.50' BIT. CONC. CL I (POST 1955)	1.50" X 0.30 = 0.45
SUBTOTAL EXISTING	1.55
PROPOSED:	
0.75" LEVEL BINDER, SUPERPAVE N50	0.75" X 0.40 = 0.30
1.50" SURF. CSE., SUPERPAVE "C" N50	1.50" X 0.40 = 0.60
Dt TOTAL	2.45

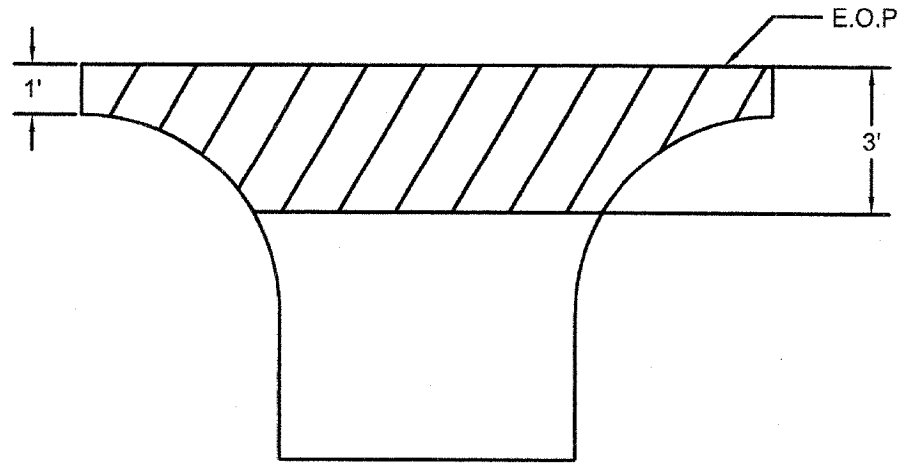


BUTT JOINT DETAIL
2 LOCATIONS
0+00 TO 0+30
125+80 TO 126+10

BITUMINOUS MIXTURE TABLE		
	LEVEL BINDER	SURFACE
PG GRADE	PG 58-22	PG 58-22
MAX. % RAP *	25%	15%
DESIGN AIR VOIDS	4.0 % @ N50	4.0 % @ N50
MIX COMPOSITION	IL 9.5	IL 9.5 or IL 12.5
FRICTION AGGREGATE		MIXTURE "C"
DENSITY CONTROL METHOD		CORRELATION

* IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED, THIS WILL BE DETERMINED BY THE ENGINEER.

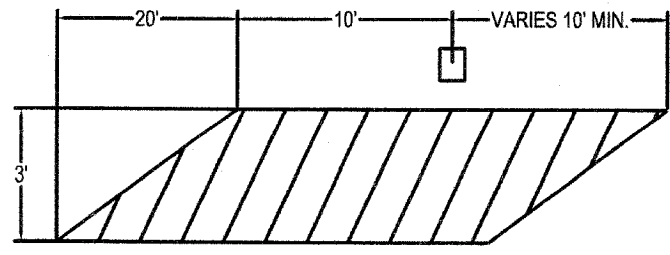
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TYPICAL FIELD & PRIVATE ENTRANCE

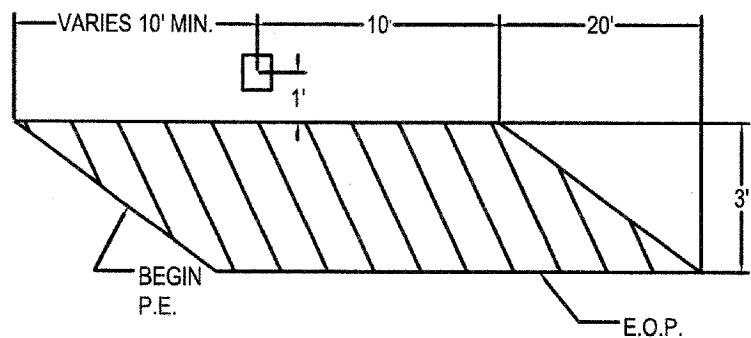
34 EACH

LT. STA.	LT. STA.	RT. STA.	RT. STA.
2+23	50+19	0+90	53+22
3+17	51+11	3+17	57+79
3+54	58+25	3+82	65+88
4+83	85+80	4+37	69+49
7+35	98+75	5+44	85+15
18+80	99+56	12+70	90+17
26+14	118+64	18+80	92+91
39+28	122+11	19+65	98+25
		39+28	124+38



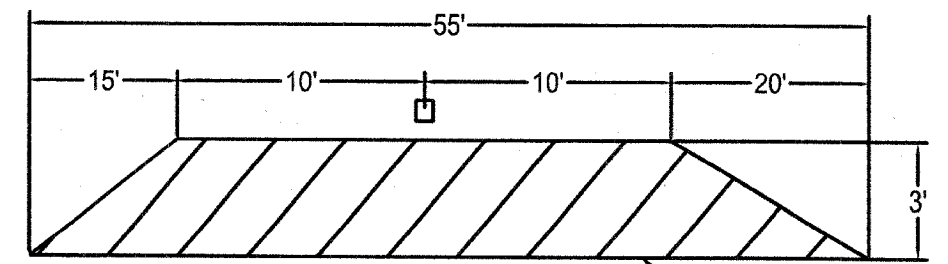
TYPICAL MAILBOX FOLLOWING

1 EACH
69+71 RT



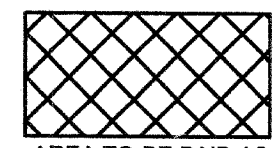
TYPICAL MAILBOX LEAD IN

2 EACH
3+60 LT
39+52 LT

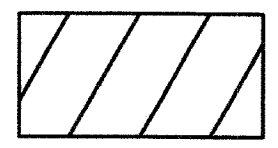


TYPICAL MAILBOX TURN OUT

5 EACH
0+90 LT 49+31 LT
4+29 LT 90+17 LT
5+80 LT



AREA TO BE PAID AS
INCIDENTAL BITUMINOUS SURFACING

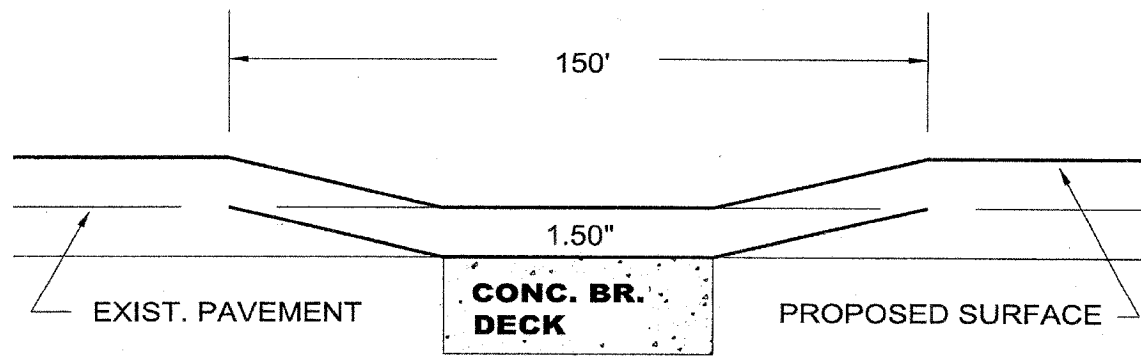


AREA TO BE CONSTRUCTED
DURING MAINLINE PAVING OPERATIONS
SLOPE = 3/4" PER FOOT

NOTES

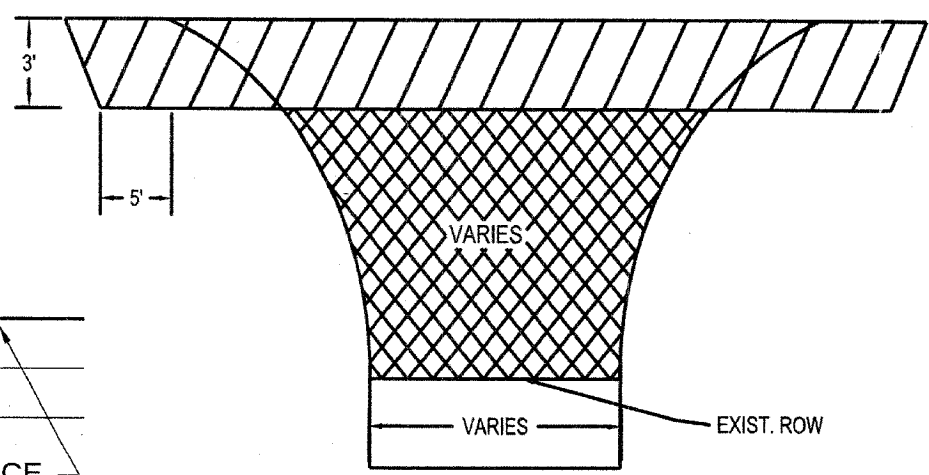
1. USE SAME MAINLINE MATERIAL FOR SIDE ROAD RETURNS, FIELD & PRIVATE ENTRANCES, AND MAILBOXES.
2. AGGREGATE SHOULDERS TO BE PLACED BEHIND SIDE ROAD RETURNS, FIELD & PRIVATE ENTRANCES, AND MAILBOXES AS DIRECTED BY THE ENGINEER.
3. SHORT TERM PAVEMENT MARKINGS TO BE REMOVED BY FORD COUNTY PERSONNEL.
4. EXISTING BRIDGE STRUCTURE SHALL BE OVERLAYED DURING SURFACE COURSE PAVING ONLY. MAXIMUM LIFT THICKNESS SHALL BE 1.5".
5. THE FOLLOWING APPLICATION RATES HAVE BEEN ASSUMED IN CALCULATING QUANTITIES:

GRANULAR MATERIALS	2.00 TON / CU YD
BIT MATL (PR CT)	0.075 GAL / SQ YD
AGGREGATE (PR CT)	0.001 TON / SQ YD
BIT CONC	112 # / SQ YD / INCH
SHORT TERM PVMT MKING	4 FT / 40 FT OF APPL.



VAR. DEPTH MILL DETAIL

1 LOCATION
55+00 TO 56+50



TYPICAL SIDE ROAD RETURN

4 EACH
STA. 0+70 LT
STA. 19+65 LT
STA. 72+67 LT & RT