

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	16-7185-3	PERRY	37	1
		ILLINOIS	CONTRACT NO. 78167	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

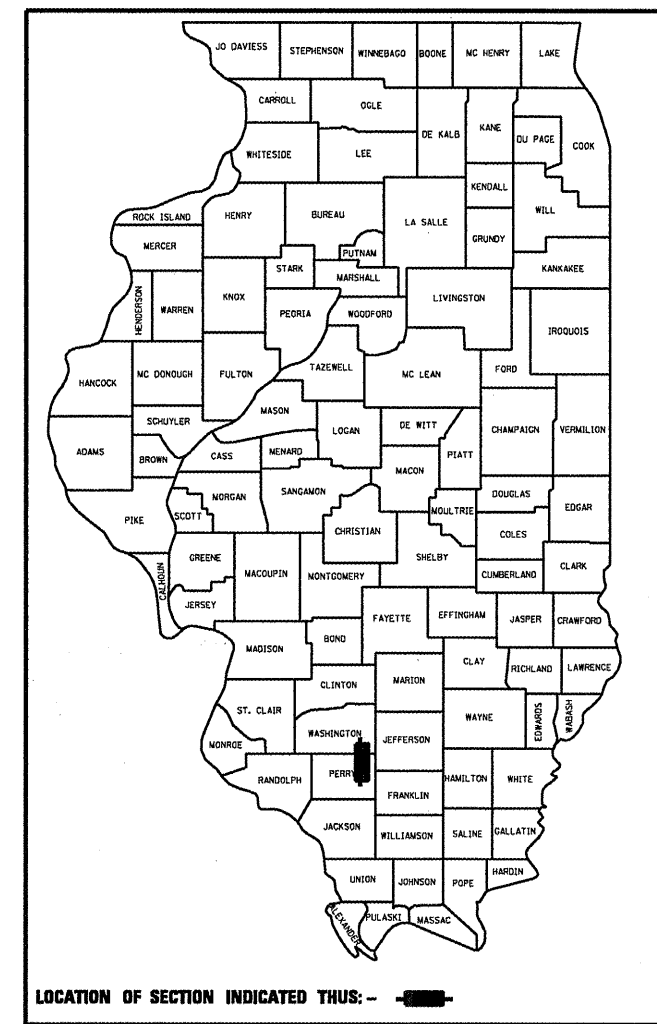
FAP ROUTE 322 (US 51)
SECTION (6-7)RS-3

MILLING AND RESURFACING
PERRY COUNTY
C-99-022-10

FOR INDEX OF SHEETS, SEE SHEET NO. 3

ADT - 3350 (2007)
PV = 3125
MU = 125
SU = 100
TRUCK = 6.7%

D-99-023-10



PROP. PROJECT ENDS
FAP 322 (US 51) STA. 585+19
(BUTT JT.)

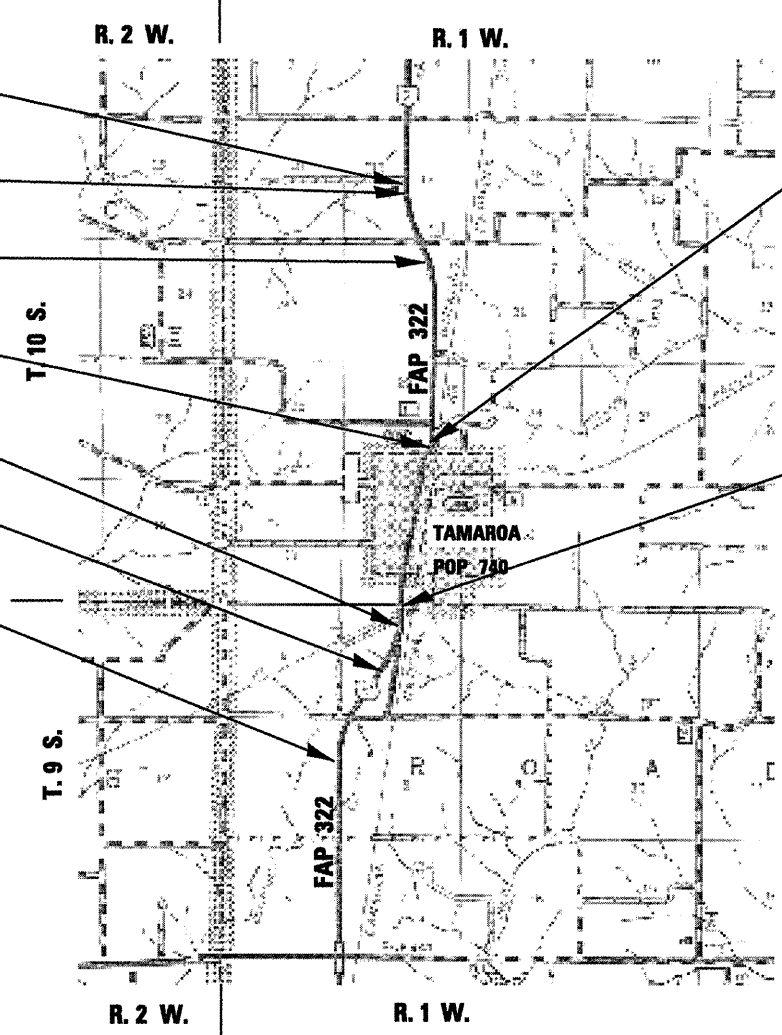
EQ. STA. 576+88.45 (BK) =
STA. 584+69.0 (AH)

EQ. STA. 544+05.37 (BK) =
STA. 544+05.87 (AH)

EQ. STA. 464+36.79 (BK) =
STA. 465+76.55 (AH)

EQ. STA. 367+03.70 (BK) =
STA. 380+92.90 (AH)

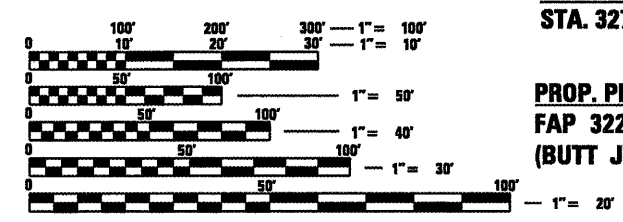
EQ. STA. 327+61.91 (BK) =
STA. 327+60.07 (AH)



SN 073-0002 TO BE OMITTED
STA. 466+87 TO STA. 467+09

EX. UNION PAC. R.R. CROSSING OMITTED
STA. 382+87 TO STA. 382+99

TOWNSHIP: TAMAROA



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 CHARLES STEIN (618-351-5210)
PROJECT MANAGER KATHI MCCORD (618-351-5216)

CONTRACT NO. 78167

GROSS LENGTH = 26,610.89 FT. = 5.039 MILE
NET LENGTH = 26,576.89 FT. = 5.033 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Jan 27 20 10

Mary C. Lomis
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 19 20 10

Scott E. Stitt, P.E. / R
ACTING ENGINEER OF DESIGN AND ENVIRONMENT

March 19 20 10

Christine M. Reed / R
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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DISTRICT STUDIES & PLANS ENGINEER

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DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: Keith Wiley
DISTRICT OPERATIONS ENGINEER

Examined By: Joe Smothers
DISTRICT CONSTRUCTION ENGINEER

Examined By: Bruce W. Peoples
DISTRICT MATERIALS ENGINEER

Examined By: Joe Smothers
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: William Clayton
ASSISTANT REGIONAL ENGINEER

Approved By: Mary C. Lammie
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Jan 27 2010
DATE

FILE NAME =	USER NAME = mccordkr	DESIGNED -	REVISED -
ca\pwwork\VPWIDOT\MCCORDKR\0169663\78	67-shr-plan.dgn	DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/8/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

----- **SIGNATURE BLOCK** -----
SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	16-7185-3	PEBBY	37	2
CONTRACT NO. 78167				ILLINOIS FED. AID PROJECT

INDEX OF SHEETS

1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS; EXISTING STRUCTURE RATINGS
4	GENERAL NOTES; MIXTURE REQUIREMENTS
5-6	TYPICALS
7-8	SUMMARY OF QUANTITIES
9-10	MAINLINE AND SHOULDER RESURFACING SCHEDULES
11	SIDE ROAD AND ENTRANCE SCHEDULES
12-13	PAVEMENT MARKING SCHEDULE
14-31	FAP 322 (US 51) PLAN SHEETS
32	DETAILS; BUTT JOINTS AT BEGINNING AND END OF PROJECT, TRANSITION AT STA. 527+00, BUTT JOINTS AT RAILROAD CROSSING STA. 382+93
33	DETAIL; BUTT JOINT AT SN 073-0002 STA. 466+98
34	DETAILS; SIDE ROAD AND ENTRANCE TRANSITIONS
35	DETAIL: TEMPORARY HOT-MIX ASPHALT TRANSITION
36	DETAIL: UNEVEN LANES SIGN
37	DETAIL: MAILBOX TURNOUT
STANDARDS:	000001-05 701306-02 406201-01 701311-03 442101-07 701336-05 442201-03 701901-01 482077-03 780001-02 701301-03 781001-03

EXISTING STURCTURE RATING

NAME	INV. RATING	OPR. RATING	SUF. RATING
SN 073-0002 STA. 466+98	14.8	24.6	87.2

FILE NAME =	USER NAME = mccordkr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS AND EX. STRUCTURE INFO.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\VP\IDOT\MCCORDKR\0169663\78	67-shr-plan.dgn	DRAWN -	REVISED -			322	16-7185-3	PEBBY	37	3
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 78167			ILLINOIS FED. AID PROJECT	
PLOT DATE = 1/8/2010	DATE -	REVISED -	REVISED -			SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____				

GENERAL NOTES

THE THICKNESS OF BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES EXCEPT FOR QC/QA OF BITUMINOUS MIXTURES:

ALL HOT-MIX ASPHALT.....2.016 TONS/CU.YD.
 ALL AGGREGATE.....2.05 TONS/CU.YD.
 BITUMINOUS MATERIALS (PRIME COAT)
 ON PAVEMENT.....0.09 GALS./SQ. YD.
 ON AGG. SURFACE.....0.32 GALS./SQ. YD.
 AGGREGATE (PRIME COAT).....0.0015 TONS/SQ. YD.

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS WAS BASED ON ONE APPLICATION EACH FOR THE PRIME COAT, SURFACE COURSE AND LEVELING BINDER.

PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS, THE RESIDENT ENGINEER SHOULD CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.

THE CONTRACTOR SHALL STAMP STATIONING IN THE PROPOSED BITUMINOUS MATS AT 300 FT. INTERVALS ON ALTERNATING SIDES OF THE PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5/2" TALL OF A DESIGN APPROVED BY THE ENGINEER AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, HOT-MIX ASPHALT RESURFACING SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THAT A LANE EDGE IS EXPOSED TO TRAFFIC.

QUANTITIES SHOWN IN THE PLANS FOR PATCHING ARE ESTIMATES. THE ACTUAL AMOUNT OF PATCHING REQUIRED SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE SAWED JOINTS AT THE BEGINNING AND END OF THE PROJECT SHALL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT.

PRIOR TO PLACING HMA SHOULDERS, 6", THE EXISTING 4' AGGREGATE SHOULDER SHALL BE CORED 3 1/2". THE EARTH EXCAVATION SHALL BE INCLUDED IN THE COST PER SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS, 6".

AN UNLOADED MTD SHALL BE ALLOWED OVER S.N. 073-0002, AS PER THE SPRINGFIELD DIRECTIVE ON DECEMBER 18, 2009.

CLASS B PATCHES ARE LOCATED IN THE BARE CONCRETE AREAS AND CLASS D IS LOCATED IN THE BITUMINOUS OVERLAY AREAS OF THIS PROJECT.

MIXTURE REQUIREMENTS SHALL BE PREPARED AS DIRECTED BELOW:

FOR US 51 MAINLINE SURFACE COURSE, US 51 MAINLINE LEVELING BINDER, INCIDENTAL HMA SURFACE:

Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mixture C, N90
AC/PG:	PG64-22
RAP % (Max.):	10
Design Air Voids:	4.0%, 90 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm or IL-12.5 mm
Friction Aggregate:	C Surface

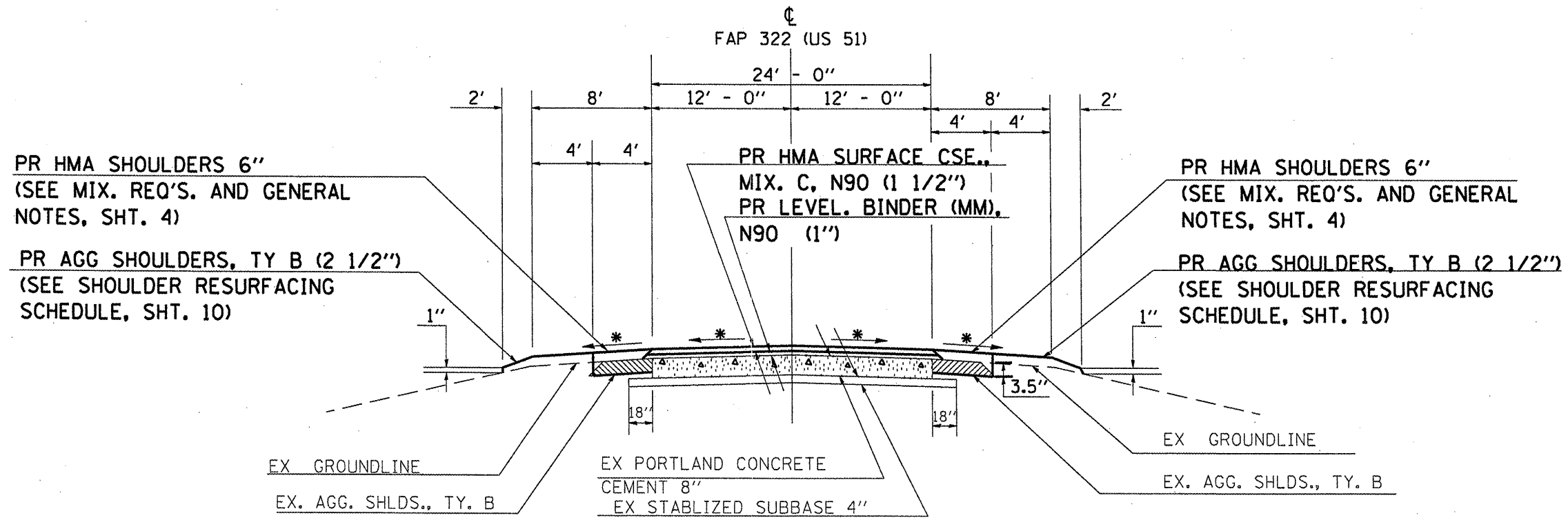
FOR US 51 HMA SHOULDERS

Mixture Use(s):	Hot-Mix Asphalt Shoulders
AC/PG:	PG58-22
RAP % (Max.):	50
Design Air Voids:	2.0%, 30 Gyration Design
Mixture Composition: (Gradation Mixture)	HMA Shoulders
Friction Aggregate:	None

FOR US 51 CLASS D PATCHES

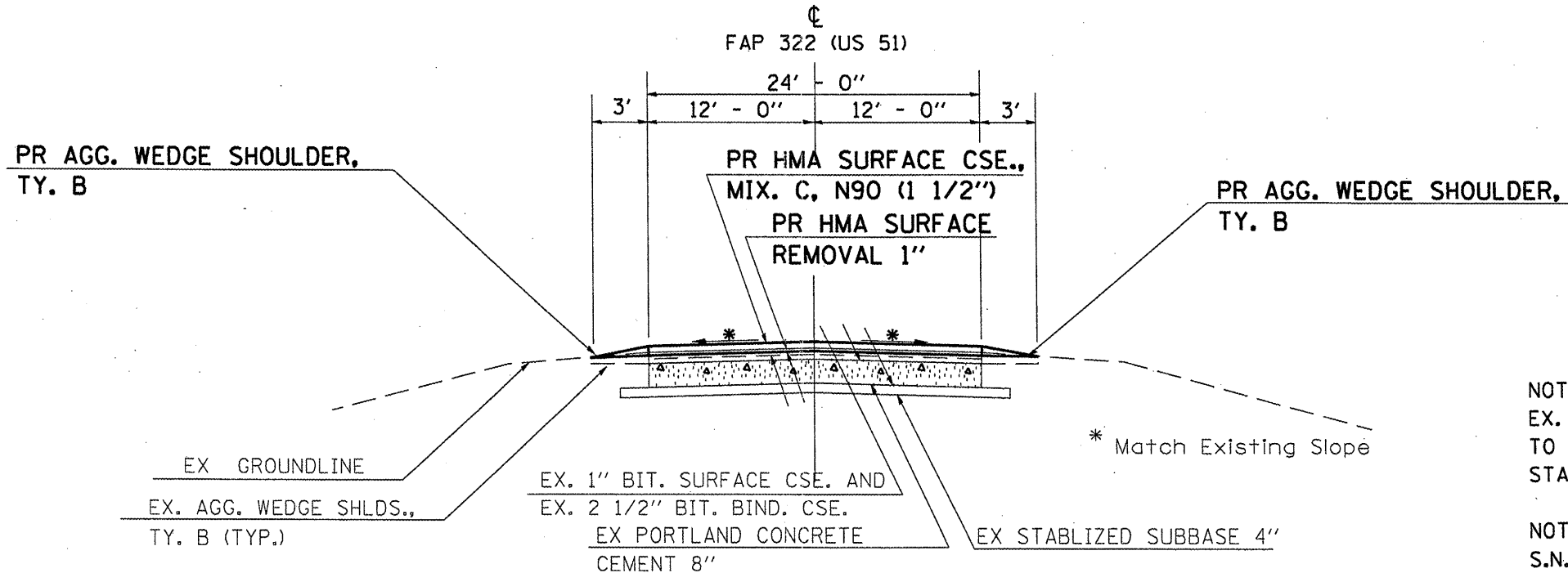
Mixture Use(s):	Hot-Mix Asphalt Binder Course, N90, IL-19.0
AC/PG:	PG64-22
RAP % (Max.):	10
Design Air Voids:	4.0%, 70 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5 mm
Friction Aggregate:	None

TYPICAL SECTIONS



TO BE USED:
 EX. PCC CURVES SOUTH OF TAMAROA
 STA. 296+00 TO STA. 382+87 (AT RR X-ING) (SEE NOTE 1)
 EX. PCC CURVES NORTH OF TAMAROA
 STA. 527+00 TO STA. 585+19

* Match Existing Slope



TO BE USED:
 STA. 382+99 (RR X-ING) TO STA 401+66
 STA. 465+76.55 TO STA. 466+87 (SEE NOTE 2)
 STA. 467+09 TO STA. 527+00

NOTE 1:
 EX. UNION PAC. RAILROAD CROSSING
 TO BE OMITTED
 STA. 382+87 TO STA. 382+99

NOTE 2:
 S.N. 073-0002 TO BE OMITTED
 STA. 466+87 TO STA. 467+09

EQUATION STATIONS:

EQ. STA. 327+61.97 (BK) =
 STA. 327+60.07 (AH)

EQ. STA. 376+03.70 (BK) =
 STA. 380+92.90 (AH)

EQ. STA. 464+36.79 (BK) =
 STA. 465+76.55 (AH)

EQ. STA. 544+05.37 (BK) =
 STA. 544+05.87 (AH)

EQ. STA. 576+88.45 (BK) =
 STA. 584+69.0 (AH)

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USER NAME = mcoordkr
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 PLOT DATE = 2/3/2010

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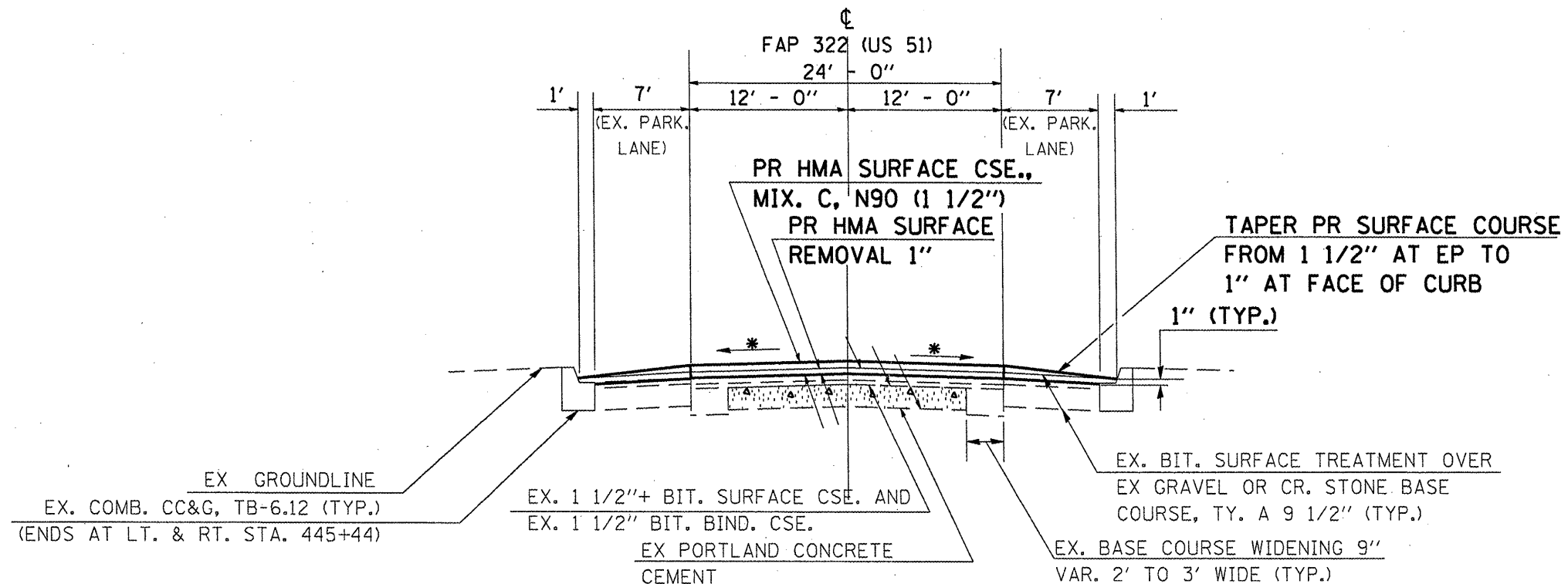
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

----- TYPICAL SECTIONS -----

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

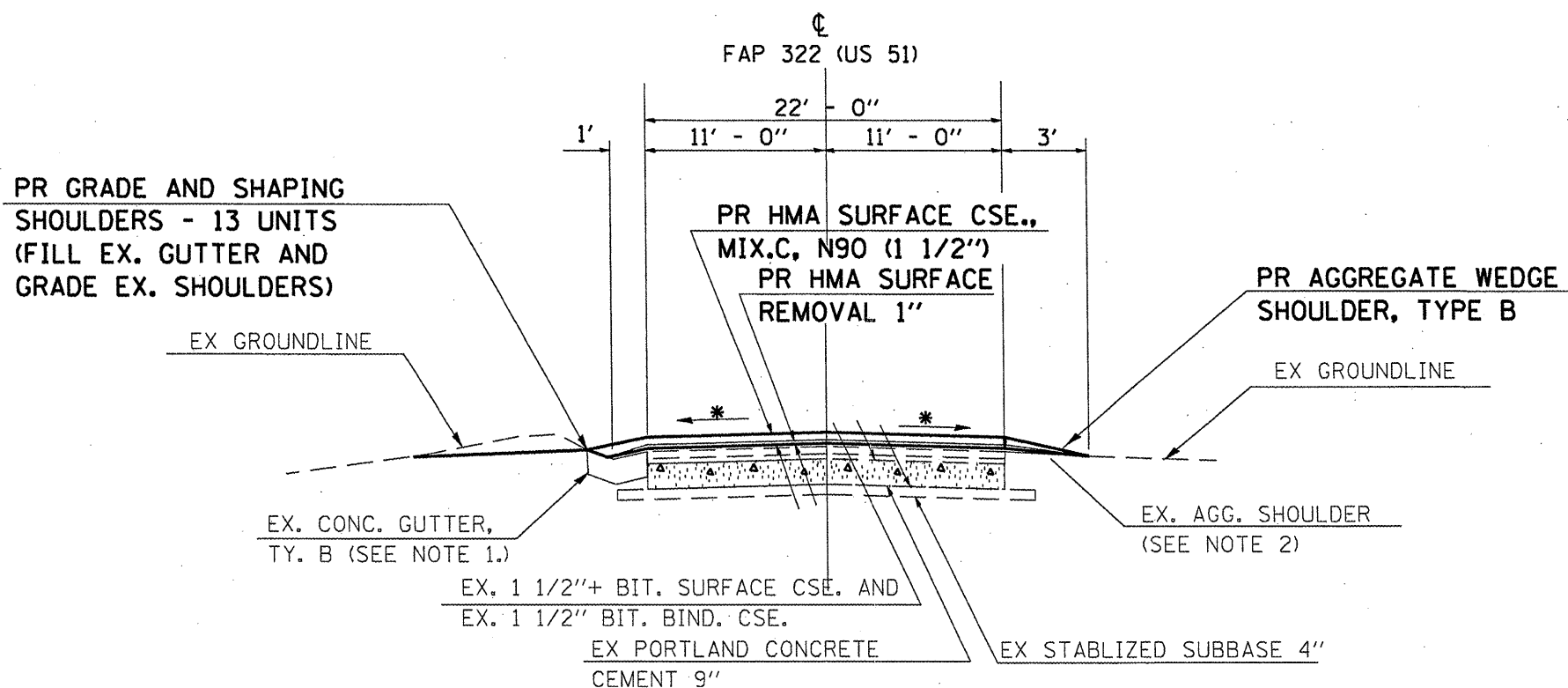
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	16-7185-3	PEBBY	37	5
				CONTRACT NO. 78167
ILLINOIS FED. AID PROJECT				

TYPICAL SECTIONS



TO BE USED:
STA. 401+66 TO STA. 445+92
 (SEE EX. CONC. CURB & GUTTER NOTE AT LEFT)

* Match Existing Slope



TO BE USED:
STA. 445+92 TO STA. 464+36.79

* Match Existing Slope

NOTE 1:
 LOCATION OF EX. CONC. GUTTER, TY. B -
 RT. STA. 447+00 TO RT. STA. 450+34
 LT. STA. 454+49.19 TO LR. STA. 464+36.79

NOTE 2:
 LOCATION OF EX. AGG. SHOULDER -
 RT. STA. 445+92 TO RT. STA. 447+00
 RT. STA. 450+34 TO RT. STA. 464+36.79
 LT. STA. 445+92 TO LT. STA. 454+49.16

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PLOT DATE = 2/3/2010		DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

----- TYPICAL SECTIONS -----	
SCALE: -----	SHEET NO. ___ OF ___ SHEETS
STA. -----	TO STA. -----

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	16-7185-3	PEBBY	37	6
CONTRACT NO. 78167			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

FAP 322 (US 51)
100% STATE
RESURFACING
PERRY COUNTY
CONSTRUCTION TYPE
CODE 1000

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
X0322729	MATERIAL TRANSFER DEVICE	TON	6632
Z0017100	DOWEL BARS	EACH	3320
Z0048665	PROTECTIVE RAILROAD LIABILITY INSURANCE	L SUM	1
Z0075310	TIE BARS 3/4"	EACH	14
20201006	GRADING AND SHAPING SHOULDERS	UNIT	13
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	13646
40600300	AGGREGATE (PRIME COAT)	TON	184.8
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	1837
40600895	CONSTRUCTING TEST STRIP	EACH	1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1022
40600990	TEMPORARY RAMP	SQ YD	79
40603320	HOT-MIX ASPHALT SURFACE COURSE, MIXTURE "C", N90	TON	6632
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	131
44000153	HOT-MIX ASPHALT SURFACE REMOVAL, 1"	SQ YD	45704
44200934	CLASS B PATCHES, TYPE II, 8 INCH	SQ YD	1295
44200942	CLASS B PATCHES, TYPE III, 8 INCH	SQ YD	82
44200944	CLASS B PATCHES, TYPE IV, 8 INCH	SQ YD	120
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	284
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	50
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	140
44213200	SAW CUTS	FOOT	8220
48100500	AGGREGATE SHOULDERS, TYPE A 6"	SQ YD	420
48101200	AGGREGATE SHOULDERS, TYPE B	TON	2438
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	875
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	10711
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3
67100100	MOBILIZATION	L SUM	1

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

----- SUMMARY OF QUANTITIES -----

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	16-2185-3	PERRY	37	7
CONTRACT NO. 78167				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

FAP 322 (US 51)
100% STATE
RESURFACING
PERRY COUNTY
CONSTRUCTION TYPE
CODE 1000

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	3
70300100	SHORT- TERM PAVEMENT MARKING	FOOT	2127
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	122.4
70300220	TEMPORARY PAVEMENT MARKING- LINE 4"	FOOT	51870
70300240	TEMPORARY PAVEMENT MARKING- LINE 6"	FOOT	80
70300280	TEMPORARY PAVEMENT MARKING- LINE 24"	FOOT	192
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	17819
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	122.4
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	192
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	51870
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	80
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	333
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	333

** Specialty Items*

PAVEMENT RESURFACING SCHEDULE

LOCATION STATION TO STATION	LENGTH (FT)	ROADWAY WIDTH (FT)	BIT. SHOULDER WIDTH (FT)	AGG. SHOULDER WIDTH	ROADWAY AREA (SQ YD)	HOT-MIX ASP. SURF. REMOV. - BUTT JT. (SQ YD)	HOT-MIX ASP. SURF. REMOV. 1" (SQ YD)	TEMP RAMP (SQ YD)	HOT-MIX ASP. SUR. CSE. MIX C. N 90 (1 1/2") (TON)	LEVELING BINDER (MM) N90 (1") (TON)	BIT. MAT. (PRIME COAT) (GAL)	AGG. (PRIME COAT) (TON)	GRADING AND SHAPING SHOULDERS (UNIT)	NOTES										
															FOR INFORMATIONAL PURPOSE ONLY									
															(FT)	(FT)	(FT)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(TON)	(TON)	(GAL)
FAP 322 (US 51) - STA. 296+50 to STA. 382+87.15 (Ex. RR X-ING)																								
296+00.00 TO 296+50.00	50	24.0	4.0	6.0	133	80		13	15		12	0.2												
296+50.00 TO 327+61.97	3112	24.0	4.0	6.0	8299				701	470	1494	24.9												
Eq. Sta. 327+61.97 (bk.) = Sta. 327+60.07 (ah.)																								
327+60.07 TO 367+03.70	3944	24.0	4.0	6.0	10516				889	595	1893	31.6												
Eq. Sta. 367+03.70 (bk.) = Sta. 380+92.90 (ah.)																								
380+92.90 TO 382+10.00	117	24.0	4.0	6.0	312				27	18	56	0.9												
Ex. PCC Pav't. ends/ Ex. Bit. Surface Begins Sta. 382+10																								
382+10.00 TO 382+87.00	77	24.0		3.0	205	205	205	13	18		37	0.6												
Railroad Crossing Sta. 382+87 to Sta. 382+99																								
382+99.00 TO 401+66.00	1867	24.0		3.0	4979	54	4925	13	421		448	7.5												
Ex. Curb and Gutter Section Begins Sta. 401+66																								
401+66.00 TO 445+92.00	4426	24.0			11803		11803		992		1062	17.7												
401+66.00 TO 445+92.00	4426	16.0			7868		7868		661		708	11.8		Ex. 8' Park. Lt & Rt										
445+92.00 TO 464+36.79	1845	22.0			4509		4510		382		406	6.8												
Rt. 445+92.00 TO 447+00.00	108			3.0																				
Rt. 447+00.00 TO 450+34.00	334		1.0		37		37		4		3	0.1	3.0	1' Bit. In Ex. Gutter										
Rt. 450+34.00 TO 464+36.79	1403			3.0																				
Lt. 445+92.00 TO 454+49.16	857			3.0																				
Lt. 454+49.16 TO 464+36.79	988		1.0		110		110		10		10	0.2	10.0	1' Bit. In Ex. Gutter										
Eq. Sta. 464+36.79 (bk.) = Sta. 465+76.55 (ah.)																								
465+76.55 TO 466+87.00	110	22.0		3.0	270	49	270	12	23		24	0.4												
SN 073-0002 Omission Sta. 466+87 to Sta. 467+09																								
467+09.00 TO 527+00.00	5991	24.0		3.0	15976	49	15976	13	1349		1438	24.0												
Ex. Bit. Surface ends/ Ex. PCC Pav't. Begins Sta. 527+00																								
527+00.00 TO 544+05.37	1705	24.0	4.0	6.0	4548				385	258	819	13.6												
Eq. Sta. 544+05.37 (bk.) = Sta. 544+05.87 (ah.)																								
544+05.87 TO 576+88.45	3283	24.0	4.0	6.0	8754				740	496	1575	26.3												
Eq. Sta. 576+88.45 (bk.) = Sta. 584+69.0 (ah.)																								
584+69.00 TO 585+19.00	50	24.0	4.0	6.0	133	80		13	15		12.0	0.2												
PROJECT TOTALS									517	45,704	79	6632	1837	9997	166.8	13.0								

SHOULDER RESURFACING SCHEDULE

LOCATION STATION TO STATION			LENGTH (FT)	BIT. SHOULDER WIDTH (FT)	AGG. SHOULDER WIDTH (FT)	HMA SHLD. AREA (SQ YD)	BIT. MAT. (PRIME COAT) (GAL)	AGG. (PRIME COAT) (TON)	HMA SHOULDERS 6" (SQ YD)	AGG. SHLDRS., TY. B (See Note 1) (TON)	AGG. WEDGE SHLDRS., TY. B (TON)
FAP 322 (US 51) - STA. 296+50 to STA. 382+87.15 (Ex. RR X-ING)											
Lt.	296+50.00	TO	327+61.97	3079	4.0	4.0	1368	438	2.1	1369	309
Rt.	296+50.00	TO	327+61.97	3076	4.0	4.0	1367	437	2.1	1368	309
Eq. Sta. 327+61.97 (bk.) = Sta. 327+60.07 (ah.)											
Lt.	327+60.07	TO	367+03.70	3944	4.0	4.0	1753	561	2.6	1753	396
Rt.	327+60.07	TO	367+03.70	3865	4.0	4.0	1718	550	2.6	1718	388
Eq. Sta. 367+03.70 (bk.) = Sta. 380+92.90 (ah.)											
Lt.	380+92.90	TO	382+10.00	117	4.0	4.0	52	17	0.1	53	12
Rt.	380+92.90	TO	382+10.00	117	4.0	4.0	52	17	0.1	53	12
Ex. PCC Pav' t. ends/ Ex. Bit. Surface Begins Sta. 382+10											
Railroad Crossing Sta. 382+87 to Sta. 382+99											
Lt. & Rt.	382+99.00	TO	401+66.00	1867		3.0					178
Ex. Curb and Gutter Section Begins Sta. 401+66											
Rt.	445+92.00	TO	447+00.00	108		3.0					5
Rt.	450+34.00	TO	464+36.79	1403		3.0					66
Lt.	445+92.00	TO	454+49.16	857		3.0					41
Eq. Sta. 464+36.79 (bk.) = Sta. 465+76.55 (ah.)											
Lt. & Rt.	465+76.55	TO	466+87.00	110		3.0					10
SN 073-0002 Omission Sta. 466+87 to Sta. 467+09											
Lt. & Rt.	467+09.00	TO	527+00.00	5991		3.0					568
Ex. Bit. Surface ends/ Ex. PCC Pav' t. Begins Sta. 527+00											
Lt.	527+00.00	TO	544+05.37	1705	4.0	4.0	758	243	1.1	758	171.0
Rt.	527+00.00	TO	544+05.37	1705	4.0	4.0	758	243	1.1	758	171.0
Eq. Sta. 544+05.37 (bk.) = Sta. 544+05.87 (ah.)											
Lt.	544+05.87	TO	576+88.45	3283	4.0	4.0	1459	453	2.2	1418	329.0
Rt.	544+05.87	TO	576+88.45	3283	4.0	4.0	1459	454	2.2	1419	329.0
Eq. Sta. 576+88.45 (bk.) = Sta. 584+69.0 (ah.)											
Lt.	584+69.00	TO	585+19.00	50.0	4.0	4.0	22	7	0.1	22	6
Rt.	584+69.00	TO	585+19.00	50.0	4.0	4.0	22	7	0.1	22	6
PROJECT TOTALS							3427	16.4	10711	2438	868

NOTE 1: DUE TO EROSION AND LOW SPOTS ALONG AREAS WHERE PROPOSED AGGREGATE SHOULDERS, TYPE B WILL BE PLACED, AN EXTRA 1 1/2" HAS BEEN ADDED TO THE CALCULATIONS. THE TYPICALS REFLECT THE 2 1/2" THICKNESS THAT WILL BE USED IN MOST AREAS AND THE FIELD ENGINEER WILL DETERMINE WHERE TO USE THE EXTRA AGGREGATE.

SIDE ROAD SCHEDULE

LOCATION	EXIST. SURFACE	EP WIDTH	WIDTH AT 15' OFFSET	ROADWAY AREA	HOT-MIX ASP. SURF. REMOV. - BUTT JT.	INCIDENTAL HMA SURFACING	BIT. MAT. (PRIME COAT)	AGG. (PRIME COAT)				
	FOR INFORMATIONAL PURPOSE ONLY											
		(FT)	(FT)	(SQ YD)					(SQ YD)	(TON)	(GAL)	(TON)
FAP 869 (IL 14) - STA. -2+77 TO STA. 82+22 (INLAY)												
Rt.	Kimzey Rd.	315+15	Bit.	86.0	39.0	104		104	9	9.4	0.16	
Lt.	Pigeon Rd.	315+15	Agg.	83.0	36.0	99			17	31.7	0.15	
Rt.	Starling Rd.	355+50	Bit.	79.0	33.0	93		93	8	8.4	0.14	
Rt.	Blue Bird Rd.	368+36	Oil & Chip	73.0	36.0	91			15	29.1	0.14	
Lt.	Blue Bird Rd.	368+36	Agg.	73.0	36.0	91			15	29.1	0.14	
Streets through curb and gutter section will be omitted.												
Rt.	Cemetery Rd.	460+31	Agg.	52.0	20.0	60			10	19.2	0.09	
Lt.	Shamrock Rd.	467+79	Bit.	70.0	30.0	83		83	7	7.5	0.13	
Rt.	Corgan Rd.	551+04	Bit.	90.0	48.0	115		115	10	10.4	0.17	
Lt.	W. Corgan Rd.	551+04	Bit.	93.0	38.0	109		109	9	9.8	0.16	
PROJECT TOTALS									505	100	155	1.3

ENTRANCE SCHEDULE

AMOUNT	ENTRANCE TYPE	EXIST. SURFACE	EP WIDTH	WIDTH AT 4' OFFSET	ROADWAY AREA	INCIDENTAL HMA SURFACING	BIT. MAT. (PRIME COAT)	AGG. (PRIME COAT)	AGG. SHLDRS. TY. A 6" (See Note 1)	AGG. WEDGE (See Note 2)
		FOR INFORMATIONAL PURPOSE ONLY								
			(FT)	(FT)	(SQ YD)					
22	Private Ent.	Agg.	24.0	15.0	191	27	61	0.29		7
3	Private Ent.	Bit.	24.0	15.0	26	2	2	0.04		
1	Commercial Ent.	Agg.	30.0	25.0	12	2	4	0.02		
15	Mailbox Turnouts								420.0	
SUBTOTALS						31	67	0.34	420	7

Note 1: Aggregate Shoulders, Type A 6" is estimated 28 Sq. Yds. for each locations. See Detail Sht. 35 for Mailbox Turnout Detail.
 Note 2: Aggregate Wedge to be paid for as Aggregate Wedge Shoulders, Type B at 0.3 tons per entrance.
 Note 3: No work will be done to side roads or entrances in the curb and gutter section, Sta. 401+66 to Sta. 464+36. 79.

PAVEMENT MARKING SCHEDULE MAINLINE

STATION TO STATION				PAINT PAVEMENT MARKING				THERMOPLASTIC PAVEMENT MARKING		TEMPORARY				SHORT-TERM	NOTES
				4 INCH WHITE (EDGE LINE)	4 INCH YELLOW (NO PASS ZONE)	4 INCH (SKIP-DASH)	6 INCH (CROSSWALK)	24 INCH (STOP BAR) (SEE NOTE 1)	LETTERS AND SYMBOLS	4 INCH	6 INCH	24 INCH	LETTERS AND SYMBOLS	4 INCH	
				FOOT	FOOT	FOOT		FOOT	SO FT	FOOT		FOOT	SO FT	FOOT	
MAINLINE: Sta. 296+50 to Sta. 585+19															
LT	296+00.0	TO	327+62.0	3079							3079				
RT	296+00.0	TO	327+62.0	3076							3076				
	296+00.0	TO	327+62.0			790					790			253	
Eq. Sta. 327+61.97 (bk.) = Sta. 327+60.07(ah.)															
LT	327+60.1	TO	367+03.7	3944							3944				
RT	327+60.1	TO	367+03.7	3865							3865				
	327+60.1	TO	367+03.7			986					986			315	
RT	363+50.0	TO	367+03.7		354.0						354				RR Xing
RT	363+60.0							12				12			RR Xing
RT	363+85.0								61.2				61.2		RR Xing
RT	364+10.0							12					12		RR Xing
Eq. Sta. 367+03.70 (bk.) = Sta. 380+92.90(ah.)															
LT	380+92.9	TO	382+87.0	117							117				
RT	380+92.9	TO	382+87.0	117							117				
RT	380+92.9	TO	382+87.0		194.0	49					243			16	RR Xing
RT	382+64.0							12					12		RR Xing
Ex. RR Crossing - Sta. 382+87 to Sta. 382+99															
LT	382+99.0	TO	401+66.0	1867							1,867				
RT	382+99.0	TO	401+66.0	1867							1,867				
	382+99.0	TO	401+66.0			467					467			149	RR Xing
LT	383+23.0							12					12		RR Xing
LT	382+99.0	TO	388+50.0		551						551				
LT	387+90.0							12					12		RR Xing
LT	388+15.0								61.2				61.2		RR Xing
LT	388+40.0							12					12		RR Xing
	401+66.0	TO	464+36.8			1,568					1,568			502	
	429+62.0	TO	429+68.0				80					80			CROSSWALK
LT	445+00.0	TO	464+36.8	1877							1,877				
RT	447+00.0	TO	464+36.8	1685							1,685				
Eq. Sta. 464+36.79 (bk.) = Sta. 465+76.55(ah.)															
LT	465+76.6	TO	466+87.0	110							110				
RT	465+76.6	TO	466+87.0	110							110				
	465+76.6	TO	466+87.0			28					28			9	
Ex. SN 073-0002 - Sta. 466+87 to Sta. 467+09															
LT	467+09.0	TO	544+05.4	7,626							7,626				
RT	467+09.0	TO	544+05.4	7,696							7,696				
	467+09.0	TO	544+05.4			1924					1,924			616	
RT	491+16.0	TO	498+29.0		713						713				
LT	499+66.0	TO	506+95.0		729						729				
Eq. Sta. 544+05.37 (bk.) = Sta. 544+05.87(ah.)															
LT	544+05.9	TO	576+88.5	2,353							2,353				
RT	544+05.9	TO	576+88.5	3,193							3,193				
	544+05.9	TO	576+88.5			821					821			263	
Eq. Sta. 576+88.45 (bk.) = Sta. 584+69.0(ah.)															
LT	584+69.0	TO	585+19.0	50							50				
RT	584+69.0	TO	585+19.0	50							50				
	584+69.0	TO	585+19.0			13					13			4	
SUBTOTALS				42,683	2541	6646	80	72	122.4	51,870	80	72	122.4	2,127	
TOTALS					51,870		80	72	122.4	51,870	80	72	122.4	2,127	

FILE NAME:
 USER NAME: mccordkr
 DRAWN:
 CHECKED:
 DATE:
 PLOT SCALE: 1/8"=1'-0"
 PLOT DATE: 1/8/2018

DESIGNED:
 REVISIONS:
 REVISION 1:
 REVISION 2:
 REVISION 3:

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

--- SCHEDULE FOR PAINT ---
PAVEMENT MARKING

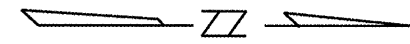
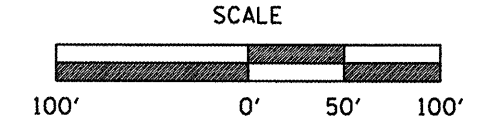
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 322	SECTION 16:2185:3	COUNTY PEERIE	TOTAL SHEETS 37	SHEET NO. 12
CONTRACT NO. 78167			ILLINOIS FED. AID PROJECT	

PAVEMENT MARKING SCHEDULE
SIDE ROADS

STATION TO STATION		THERMO. PAVEMENT MARKING	TEMP PAVEMENT MARKING	NOTES
		24 INCH (STOP BAR) (SEE NOTE 1)	24 INCH	
		FOOT	FOOT	
SIDE ROADS				
R+	Kimzey Rd.	12	12	
L+	Pigeon Rd.	12	12	
R+	Starling Rd.	12	12	
R+	Blue Bird Rd.	12	12	
L+	Blue Bird Rd.	12	12	
L+	Waverly Rd.	12	12	
R+	Cemetery Rd.	12	12	
L+	Shamrock Rd.	12	12	
R+	Corgan Rd.	12	12	
L+	W. Corgan Rd.	12	12	
TOTALS		120	120	

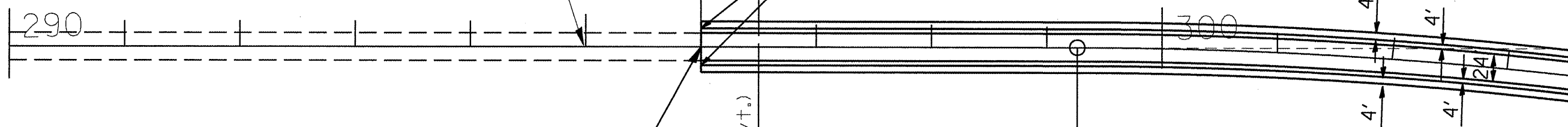
NOTE 1 : STOP BARS SHALL BE PLACED 10 FEET BACK FROM EDGE OF PAVEMENT OR AS DIRECTED BY THE ENGINEER.



50' TRANSITION TO BUTT JOINT
(SEE DETAIL, SHT. 32)

CL FAP 322 (US 51)

PR. HMA SHOULDERS 6" AND
PR. AGG. SHOULDERS, TY. B
START STA. 296+00



PROP. PROJECT BEGINS
STA. 296+00 (BUTT JOINT)

Ex. Butt Joint (Begin PCC Pavt.)
Sta. 296+50

PC STA. 299+26.41

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN LAYOUT
STA. 296 ± 00 TO STA. 303 ± 50

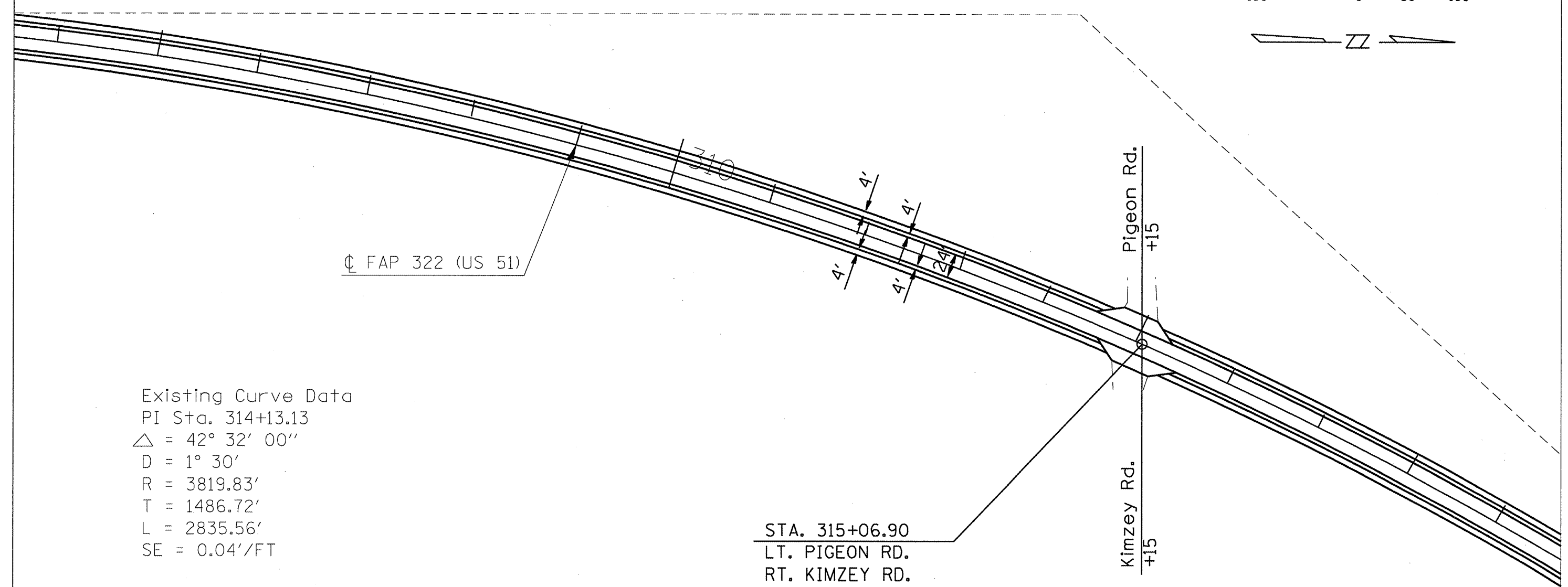
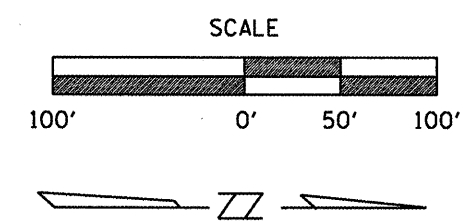
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7-sh-t-plan.dgn
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PLOT DATE = 1/25/2010

DESIGNED -	---	REVISED -	-----
DRAWN -	---	REVISED -	-----
CHECKED -	---	REVISED -	-----
DATE -	-----	REVISED -	-----

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	16-7185-3	PEBBY	37	14
CONTRACT NO. 78167				
ILLINOIS FED. AID PROJECT				



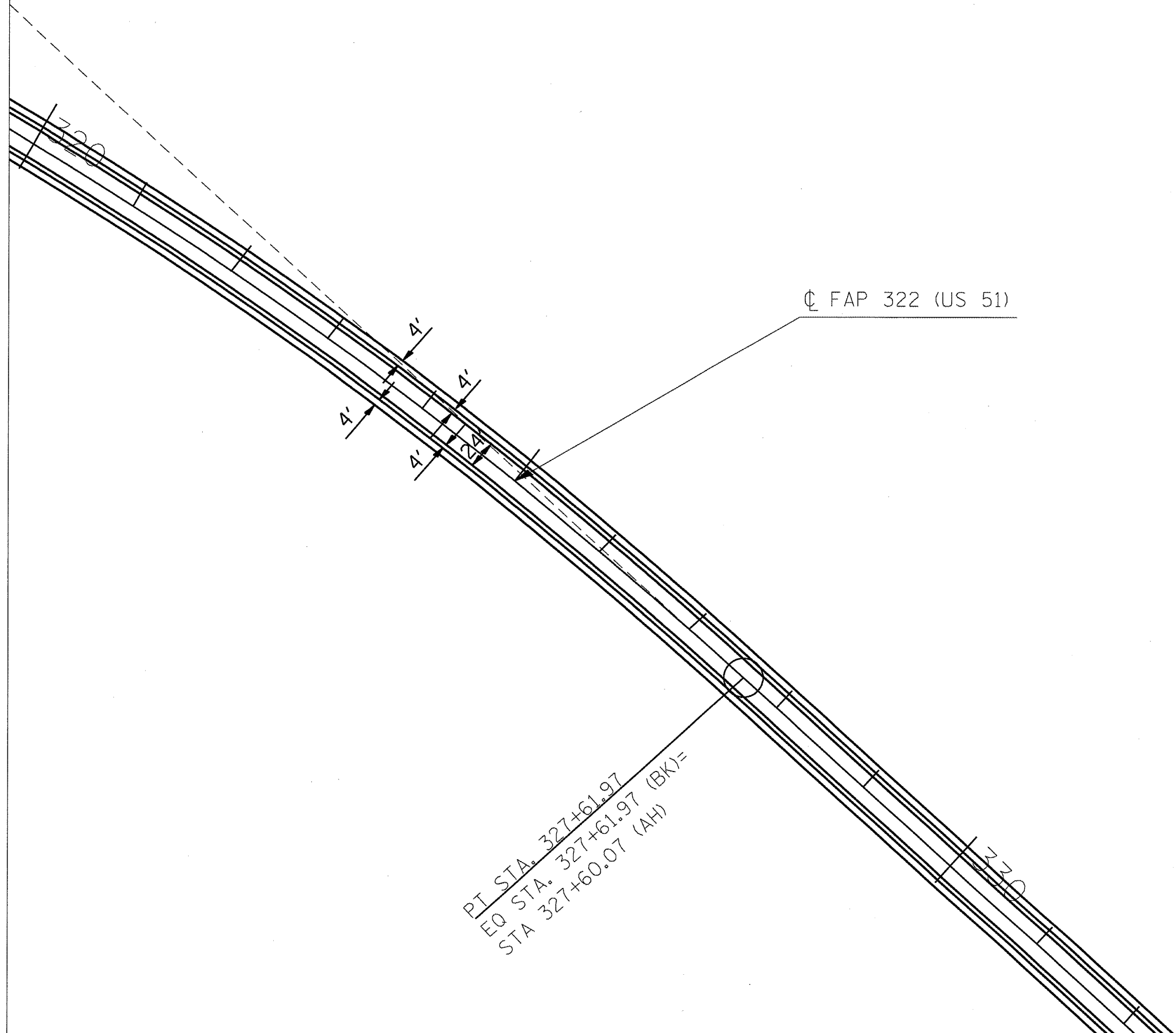
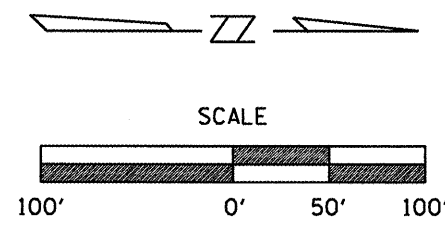
☉ FAP 322 (US 51)

Existing Curve Data
 PI Sta. 314+13.13
 $\Delta = 42^\circ 32' 00''$
 $D = 1^\circ 30'$
 $R = 3819.83'$
 $T = 1486.72'$
 $L = 2835.56'$
 $SE = 0.04'/FT$

STA. 315+06.90
 LT. PIGEON RD.
 RT. KIMZEY RD.
 (SEE DETAIL, SHT. 34)

Pigeon Rd.
 +15
 Kimzey Rd.
 +15

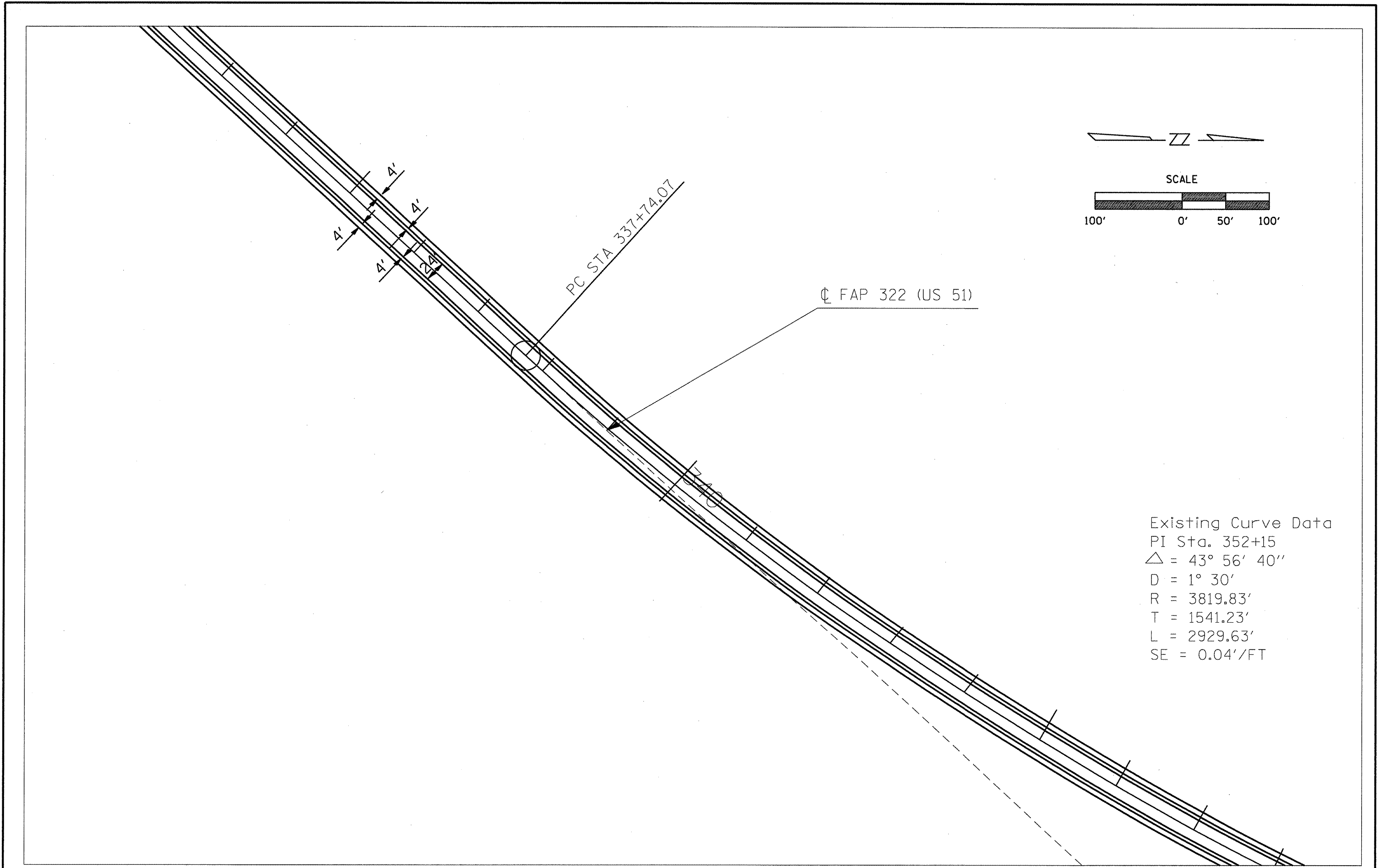
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02\p\work\p\WIDOT\MCCORDKR\08169663\78	07-sht-plan.dgn	DRAWN -	REVISED -			322	16-TIBS-3	PEBBY	37	15	
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 78167					
	PLOT DATE = 1/25/2010	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



☐ FAP 322 (US 51)

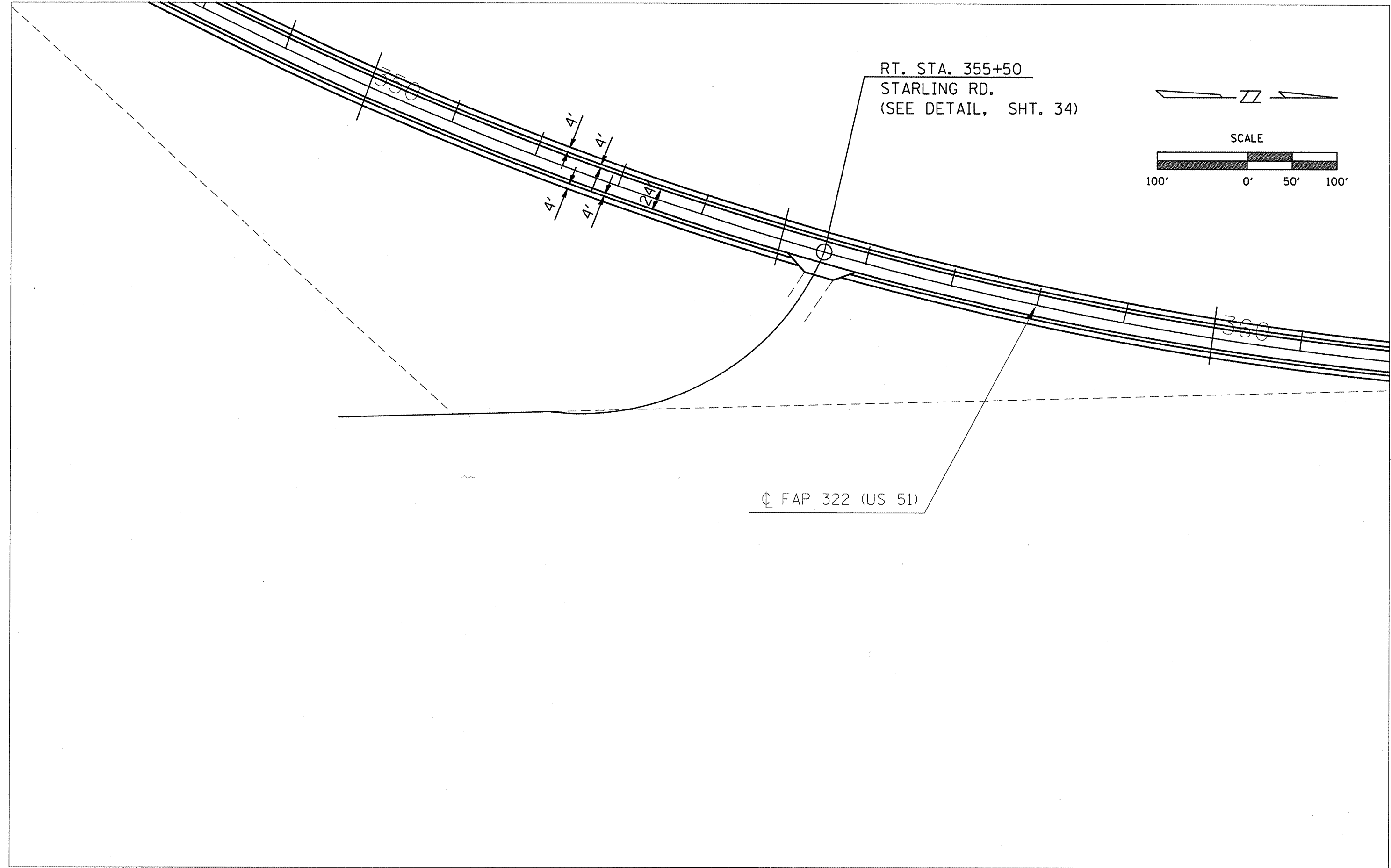
PT STA. 327+61.97
 EQ STA. 327+61.97 (BK)=
 STA 327+60.07 (AH)

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cr\p\work\p\WIDOT\MCCORDKR\0169663\78167-sht-plan.dgn	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISD -		SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 78167				
	PLOT DATE = 1/25/2010	CHECKED -	REVISD -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISD -									



Existing Curve Data
 PI Sta. 352+15
 $\Delta = 43^\circ 56' 40''$
 $D = 1^\circ 30'$
 $R = 3819.83'$
 $T = 1541.23'$
 $L = 2929.63'$
 $SE = 0.04'/FT$

FILE NAME =	USER NAME = mcoordkr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN LAYOUT		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwwork\pwwid01\MCCORDKR\d0169663\78	67-sht-plan.dgn	DRAWN -	REVISED -		-- STA. 332 ± 10 TO STA. 348 ± 00 --		322	6-1785-3	PEBBY	37	17
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -		SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 78167			
	PLOT DATE = 1/25/2018	DATE -	REVISED -		ILLINOIS FED. AID PROJECT						



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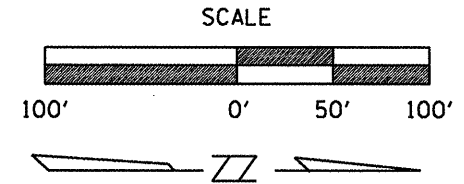
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DRAWN -	---	REVISED -	-----
CHECKED -	---	REVISED -	-----
DATE -	-----	REVISED -	-----

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

----- **PLAN LAYOUT** -----
--- STA. 348 ± 00 TO STA. 362 ± 00 ---

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	16-7185-3	PEBBY	37	18
CONTRACT NO. 78167				
ILLINOIS FED. AID PROJECT				



PR. HMA SHOULDERS 6" AND
PR. AGG. SHOULDERS, TY. B
ENDS STA. 382+10

PT STA 367+03.70
EQ STA 367+03.70 (BK) =
STA 380+92.90 (AH)

20' TRANSITION TO BUTT JOINT
(SEE DETAIL, SHT. 32)

PR. AGG. WEDGE SHOULDERS, TY. B
STARTS STA. 382+99

☉ FAP 322 (US 51)

STA. 382+10
END OF PCC PAV'T.
(EX. BIT. SURF. BEGINS)
FOR BUTT JOINT DETAIL,
SEE SHT. 32.

STA. 382+38
LT. BLUEBIRD RD.
RT. BLUEBIRD RD.
(SEE DETAIL, SHT. 34)

STA. 382+87 TO STA. 382+99
UNION PAC. RAILROAD CROSSING

Existing Curve Data
PI Sta. 382+16.3
 $\Delta = 9^\circ 16'$
 $D = 3^\circ 00'$
 $R = 1910.08'$
 $T = 154.80'$
 $L = 308.90'$
 $E = 4.98'$
 $SE = 0.04'/FT$

FILE NAME =
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PLOT DATE = 1/25/2010

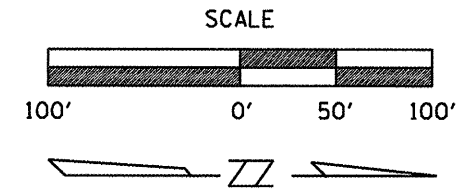
DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN LAYOUT
STA. 382 ± 00 TO STA. 391 ± 40

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

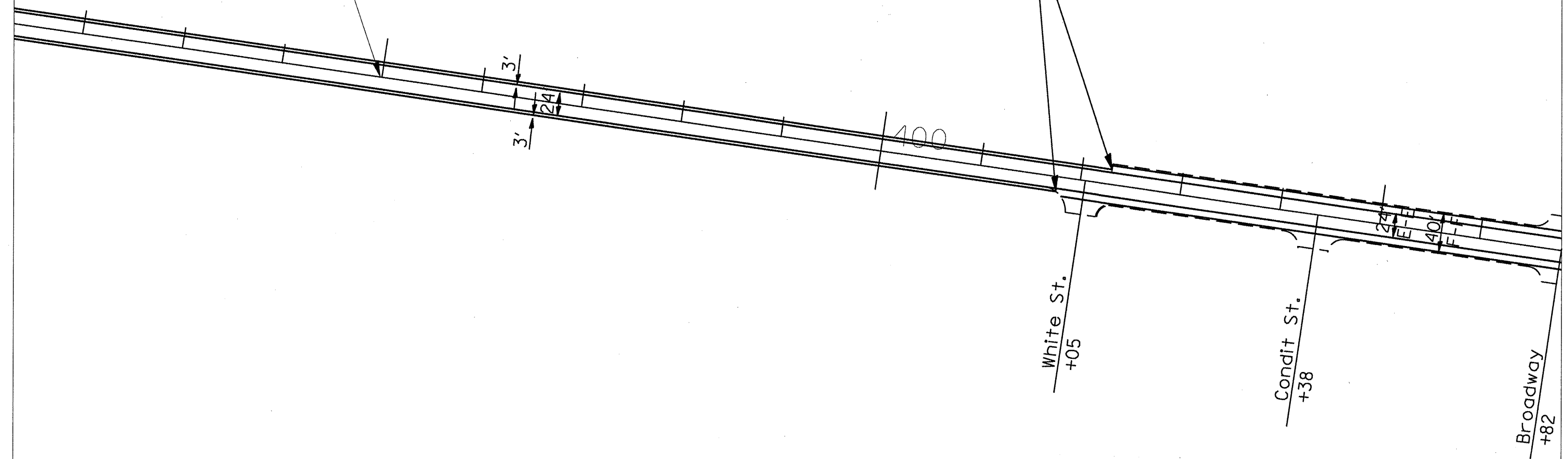
F.A.P. RTE. 322	SECTION 16-7185-3	COUNTY PEBBY	TOTAL SHEETS 37	SHEET NO. 19
CONTRACT NO. 78167			ILLINOIS FED. AID PROJECT	



NOTE:
FOR STREETS AND ENTRANCES,
SEE DETAIL, SHT. 34.

☉ FAP 322 (US 51)

PR. AGG. WEDGE SHOULDERS, TY. B
END RT. STA. 401+66 AND
LT. STA. 402+25



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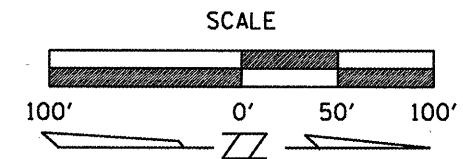
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CHECKED -	---	REVISED -	---
DATE -	---	REVISED -	---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

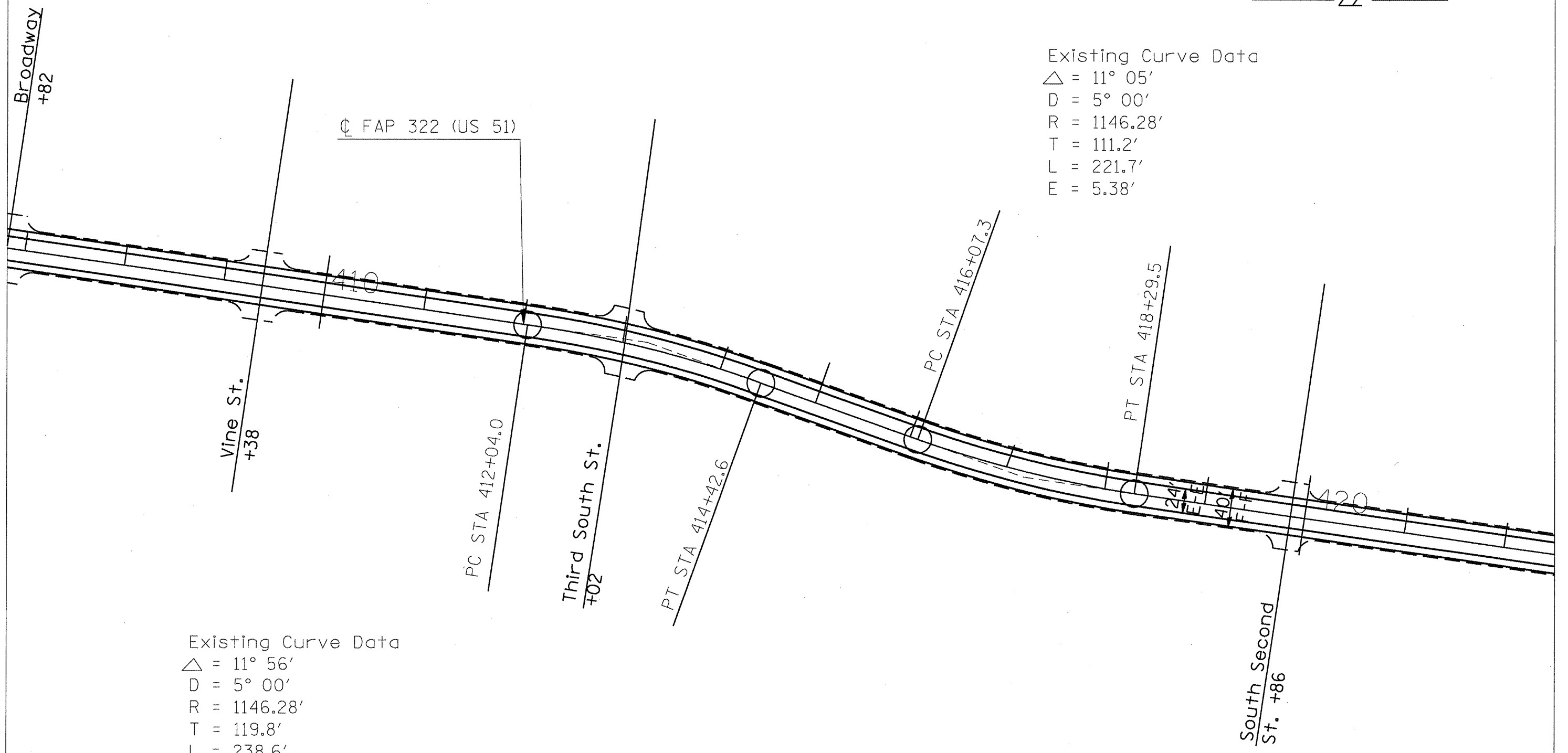
PLAN LAYOUT
STA. 391 ± 40 TO STA. 406 ± 82
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	16-7185-3	PEBBY	37	20
CONTRACT NO. 78167				
ILLINOIS FED. AID PROJECT				



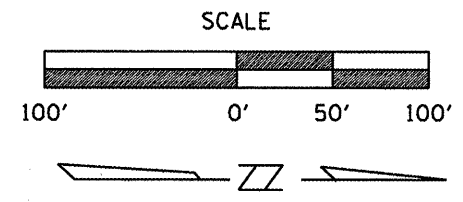
Existing Curve Data
 $\Delta = 11^\circ 05'$
 $D = 5^\circ 00'$
 $R = 1146.28'$
 $T = 111.2'$
 $L = 221.7'$
 $E = 5.38'$

Existing Curve Data
 $\Delta = 11^\circ 56'$
 $D = 5^\circ 00'$
 $R = 1146.28'$
 $T = 119.8'$
 $L = 238.6'$
 $E = 6.24'$

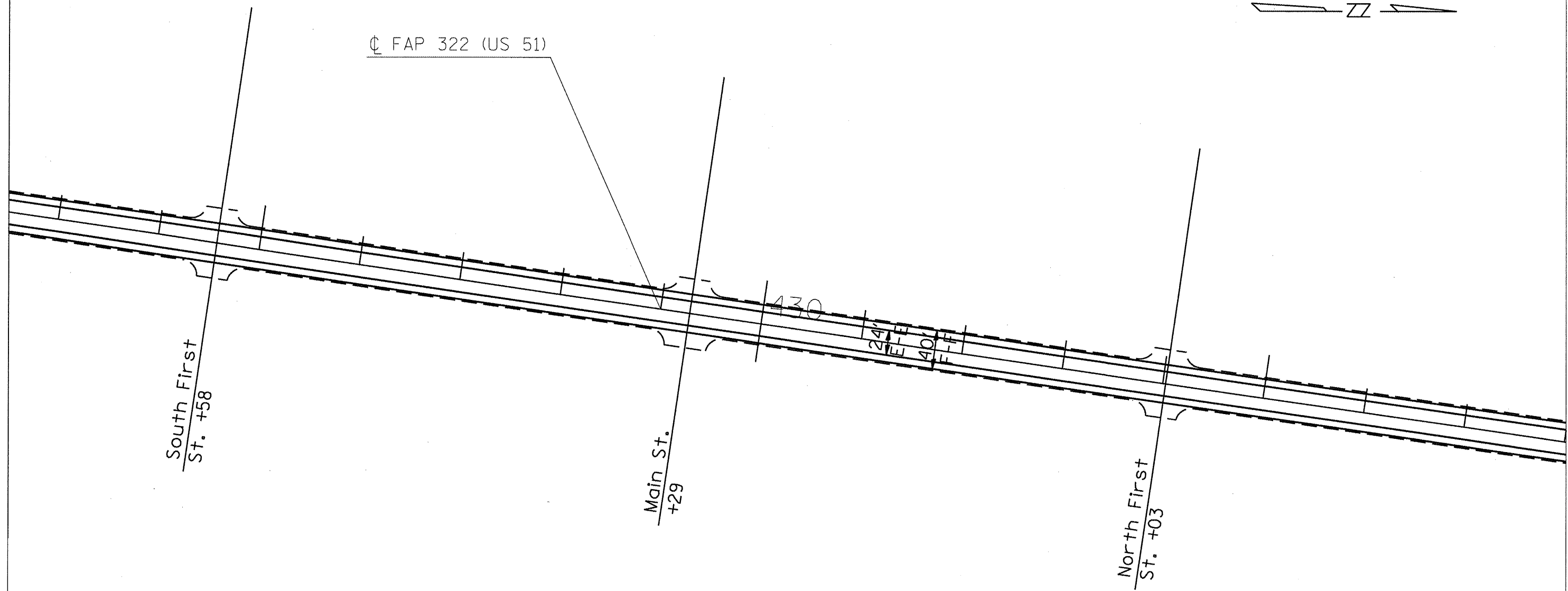


NOTE:
 FOR STREETS AND ENTRANCES,
 SEE DETAIL, SHT. 34.

FILE NAME =	USER NAME = mccoordkr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN LAYOUT		F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\p\work\p\WIDOT\MCCORDKR\d0169663\781	37-shr-plan.dgn	DRAWN -	REVISED -		-- STA. 406 ± 82 TO STA. 422 ± 50 --		322	16-7185-3	PEBBY	37	21
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -		SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 78167			
PLOT DATE = 1/25/2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT						

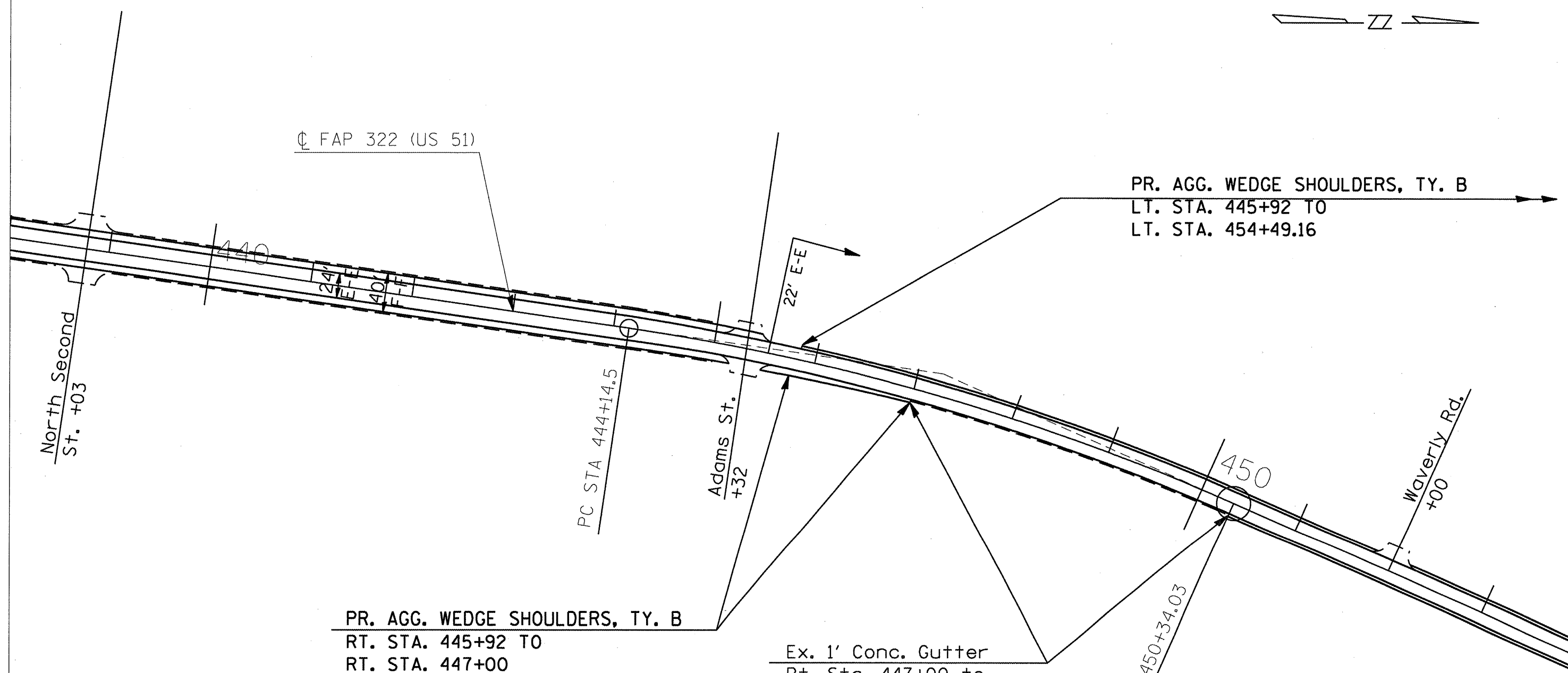
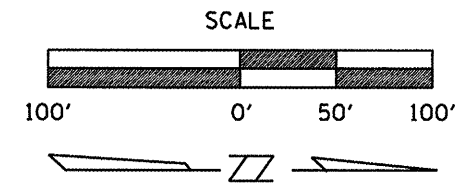


☉ FAP 322 (US 51)



NOTE:
FOR STREETS AND ENTRANCES,
SEE DETAIL, SHT. 34.

FILE NAME * c:\pwwork\pwwid\mccordkr\j0169663\78	USER NAME = mcoordkr	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN LAYOUT --- STA. 422 ± 50 TO STA. 438 ± 00 ---	F.A.P. RTE. 322	SECTION 16:71BS-3	COUNTY PEBBY	TOTAL SHEETS 37	SHEET NO. 22		
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	PLOT DATE = 1/25/2010	DATE - ---	REVISED - ---			REVISED - ---	ILLINOIS FED. AID PROJECT					



PR. AGG. WEDGE SHOULDERS, TY. B
 RT. STA. 445+92 TO
 RT. STA. 447+00

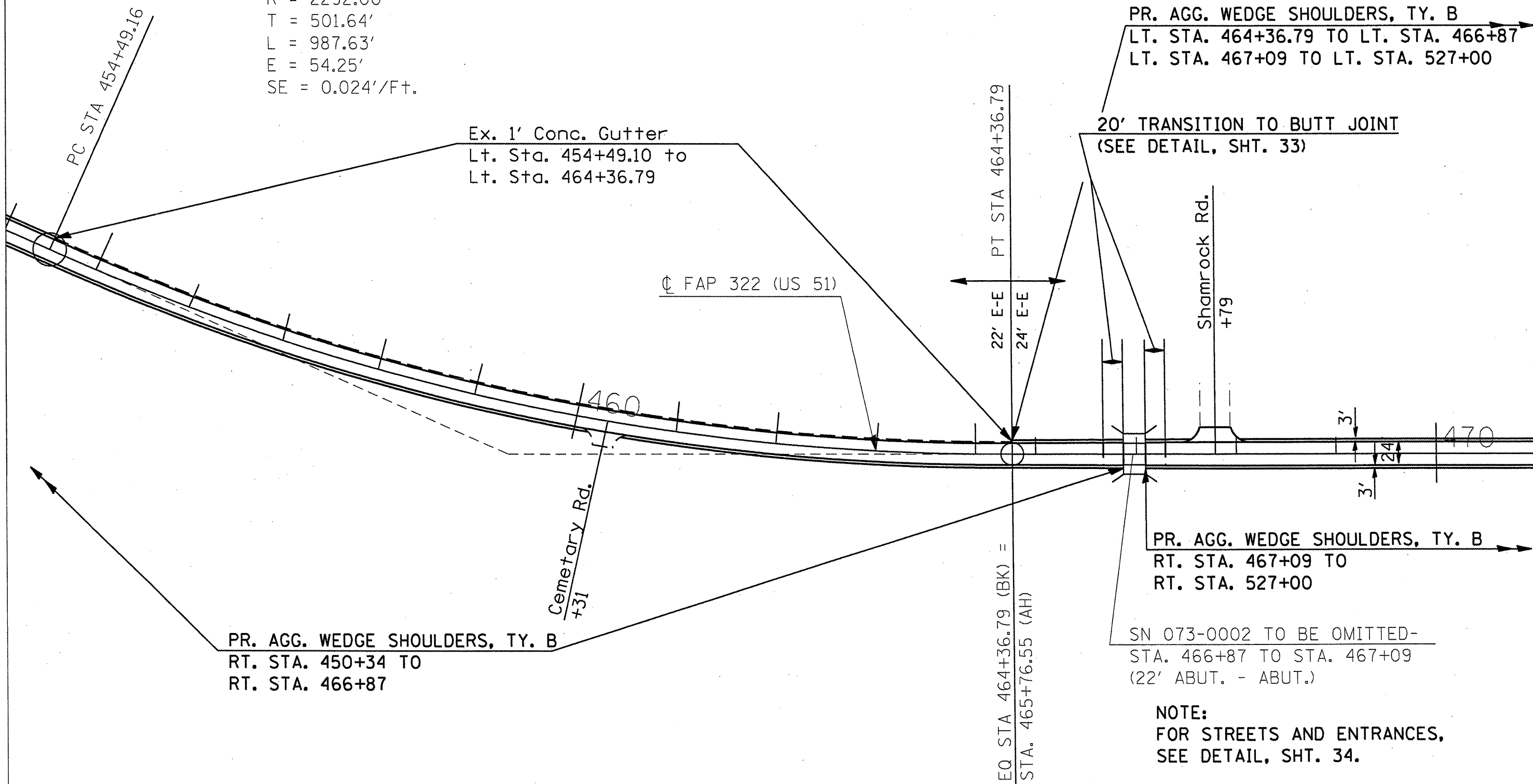
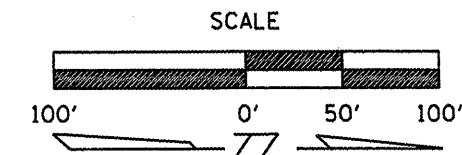
Ex. 1' Conc. Gutter
 Rt. Sta. 447+00 to
 Rt. Sta. 450+34

Existing Curve Data
 PI Sta. 447+26.41
 $\Delta = 15^\circ 28' 37''$
 $D = 2^\circ 30'$
 $R = 2292.00'$
 $T = 311.46'$
 $L = 619.08'$
 $SE = 0.02'/F+$

NOTE:
 FOR STREETS AND ENTRANCES,
 SEE DETAIL, SHT. 34.

FILE NAME =	USER NAME = mcoordkr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN LAYOUT		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwid\mccordkr\0169663781	7-shr-plan.dgn	DRAWN -	REVISED -		--- STA. 438 ± 00 TO STA. 454 ± 00 ---		322	16:7185:3	PEBBY	37	23
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	REVISED -		SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 78167			
PLOT DATE = 1/25/2010	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT						

Existing Curve Data
 PI Sta. 459+50.80
 $\Delta = 24^\circ 41' 27''$
 $D = 2^\circ 30'$
 $R = 2292.00'$
 $T = 501.64'$
 $L = 987.63'$
 $E = 54.25'$
 $SE = 0.024'/Ft.$



PR. AGG. WEDGE SHOULDERS, TY. B
 LT. STA. 464+36.79 TO LT. STA. 466+87
 LT. STA. 467+09 TO LT. STA. 527+00

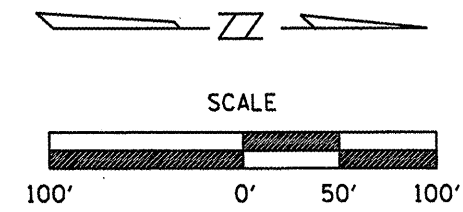
20' TRANSITION TO BUTT JOINT
 (SEE DETAIL, SHT. 33)

PR. AGG. WEDGE SHOULDERS, TY. B
 RT. STA. 467+09 TO
 RT. STA. 527+00

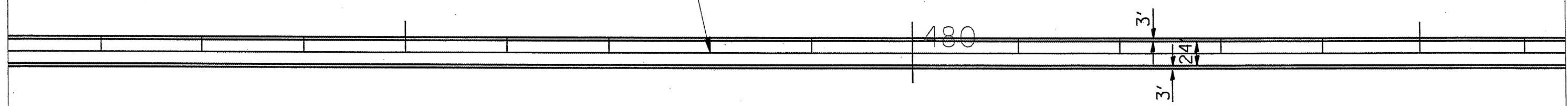
SN 073-0002 TO BE OMITTED-
 STA. 466+87 TO STA. 467+09
 (22' ABUT. - ABUT.)

NOTE:
 FOR STREETS AND ENTRANCES,
 SEE DETAIL, SHT. 34.

FILE NAME =	USER NAME = mccordkr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN LAYOUT STA. 454 ± 00 TO STA. 471 ± 00	F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwwork\p\WIDOT\MCCORDKR\d0189663\78187-sht-plan.dgn	DRAWN -	REVISED -	322			16-TIBS-3	PERBY	37	24	
PLOT SCALE = 1/8" = 100' / IN.	CHECKED -	REVISED -	CONTRACT NO. 78162							
PLOT DATE = 1/8/2010	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							



☉ FAP 322 (US 51)



NOTE:
FOR SIDE ROADS AND ENTRANCES,
SEE DETAIL, SHT. 34.

FILE NAME =
c:\pwwork\p\m\DOT\MCCORDKR\08169663\78

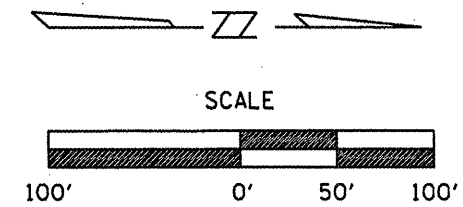
USER NAME = mccordkr
67-shr-plan.dgn
PLOT SCALE = 100.0000' / IN.
PLOT DATE = 1/8/2010

DESIGNED -	---	REVISED -	-----
DRAWN -	---	REVISED -	-----
CHECKED -	---	REVISED -	-----
DATE -	-----	REVISED -	-----

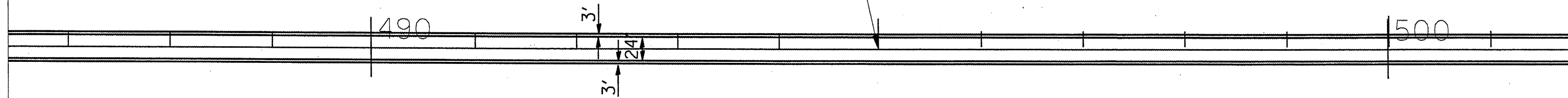
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

----- PLAN LAYOUT -----
--- STA. 471 ± 00 TO STA. 486 ± 25 ---
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	16-Z185-3	BEERY	37	25
CONTRACT NO. 78167			ILLINOIS FED. AID PROJECT	



☉ FAP 322 (US 51)



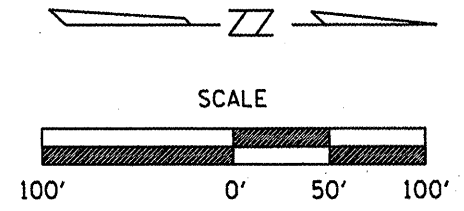
NOTE:
FOR SIDE ROADS AND ENTRANCES,
SEE DETAIL, SHT. 34.

FILE NAME =	USER NAME = mccordkr	DESIGNED -	REVISED -
ct:\pwork\PHIDOT\MCCORDKR\d0169663\78	67-shk-plan.dgn	DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 1/8/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

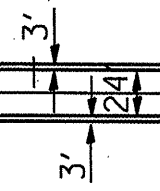
PLAN LAYOUT	
STA. 486 ± 25 TO STA. 502 ± 00	
SCALE:	SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	16-7185-3	PEBBY	37	26
CONTRACT NO. 78167			ILLINOIS FED. AID PROJECT	



☉ FAP 322 (US 51)

510



NOTE:
FOR SIDE ROADS AND ENTRANCES,
SEE DETAIL, SHT. 34.

FILE NAME =
c:\pwork\p\WIDOT\MCCORDKR\d0169663\78

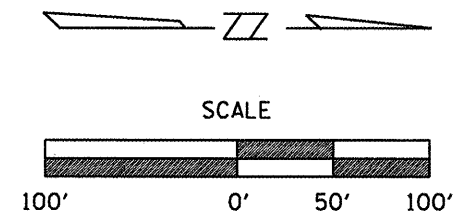
USER NAME = mcoordkr
67-shb-plan.dgn
PLOT SCALE = 100.0000' / IN.
PLOT DATE = 1/8/2010

DESIGNED -	---	REVISED -	-----
DRAWN -	---	REVISED -	-----
CHECKED -	---	REVISED -	-----
DATE -	---	REVISED -	-----

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

----- PLAN LAYOUT -----	
--- STA. 502 ± 00 TO STA. 517 ± 00 ---	
SCALE: -----	SHEET NO. ___ OF ___ SHEETS STA. ----- TO STA. -----

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	16-7185-3	PEBBY	37	27
CONTRACT NO. 78167			ILLINOIS FED. AID PROJECT	

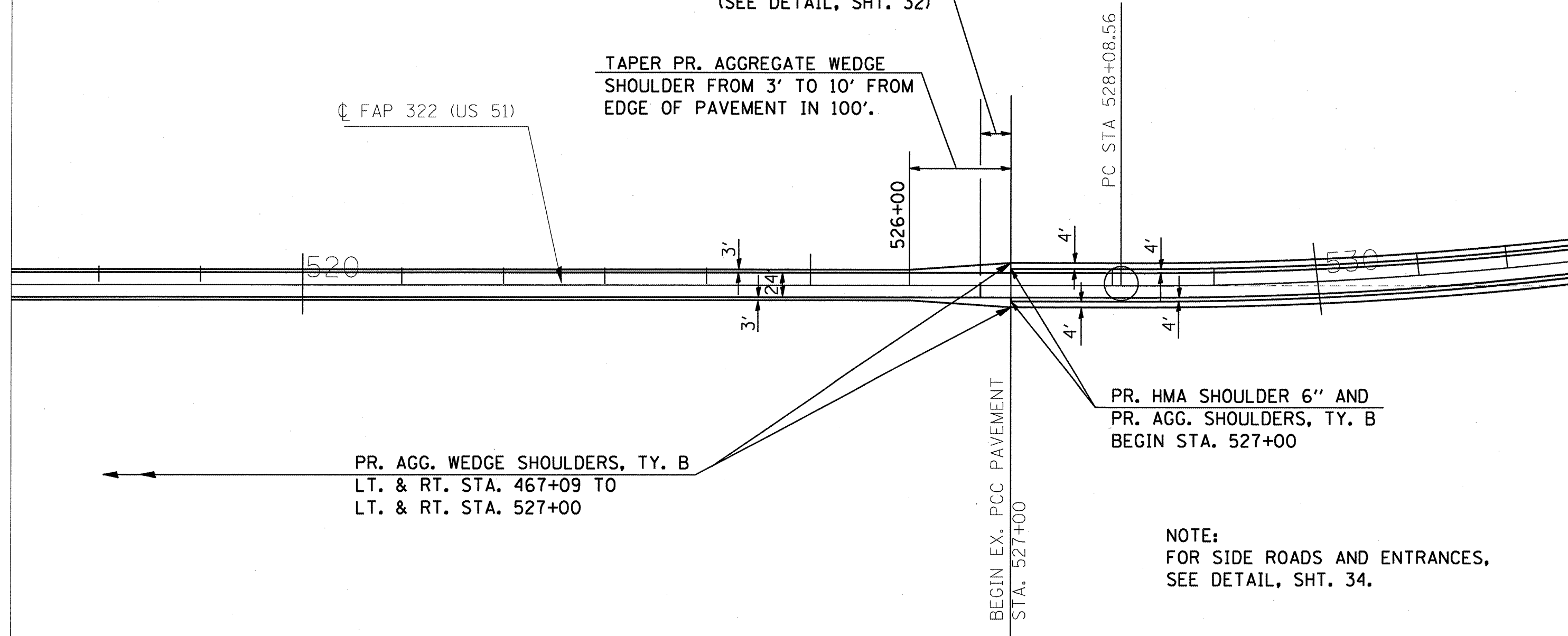


PR. AGG. WEDGE SHOULDERS, TY. B
 RT. STA. 467+09 TO
 RT. STA. 527+00

30' TRANSITION
 (SEE DETAIL, SHT. 32)

TAPER PR. AGGREGATE WEDGE
 SHOULDER FROM 3' TO 10' FROM
 EDGE OF PAVEMENT IN 100'.

☐ FAP 322 (US 51)



PR. AGG. WEDGE SHOULDERS, TY. B
 LT. & RT. STA. 467+09 TO
 LT. & RT. STA. 527+00

PR. HMA SHOULDER 6" AND
 PR. AGG. SHOULDERS, TY. B
 BEGIN STA. 527+00

NOTE:
 FOR SIDE ROADS AND ENTRANCES,
 SEE DETAIL, SHT. 34.

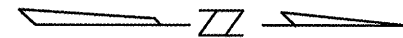
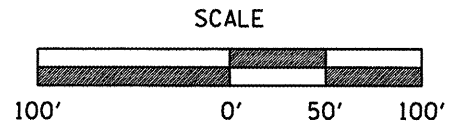
FILE NAME =	USER NAME = mcoor-dkr	DESIGNED -	REVISED -
os:\pwwork\pwwidot\mcoor-dkr\d0169663\78	27-shc-plan.dgn	DRAWN -	REVISED -
	PLOT SCALE = 100,0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/25/2010	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

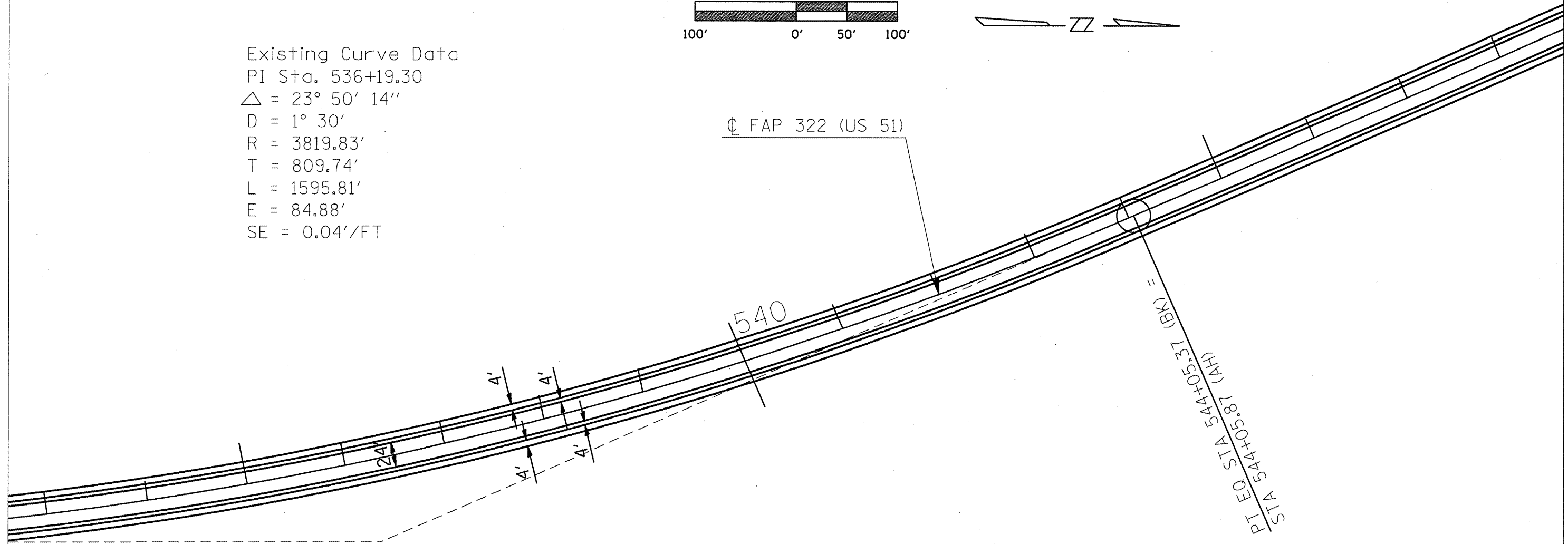
----- PLAN LAYOUT -----			
-- STA. 517 ± 00 TO STA. 532 ± 00 --			
SCALE: -----	SHEET NO. -- OF -- SHEETS	STA. ----- TO STA. -----	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	16-7185-3	PEBBY	37	28
CONTRACT NO. 78167				
ILLINOIS FED. AID PROJECT				

Existing Curve Data
 PI Sta. 536+19.30
 $\Delta = 23^\circ 50' 14''$
 D = $1^\circ 30'$
 R = 3819.83'
 T = 809.74'
 L = 1595.81'
 E = 84.88'
 SE = 0.04'/FT



☉ FAP 322 (US 51)



NOTE:
 FOR SIDE ROADS AND ENTRANCES,
 SEE DETAIL, SHT. 34.

FILE NAME =
 c:\pwwork\pwwid\mccordkr\d0169663\78

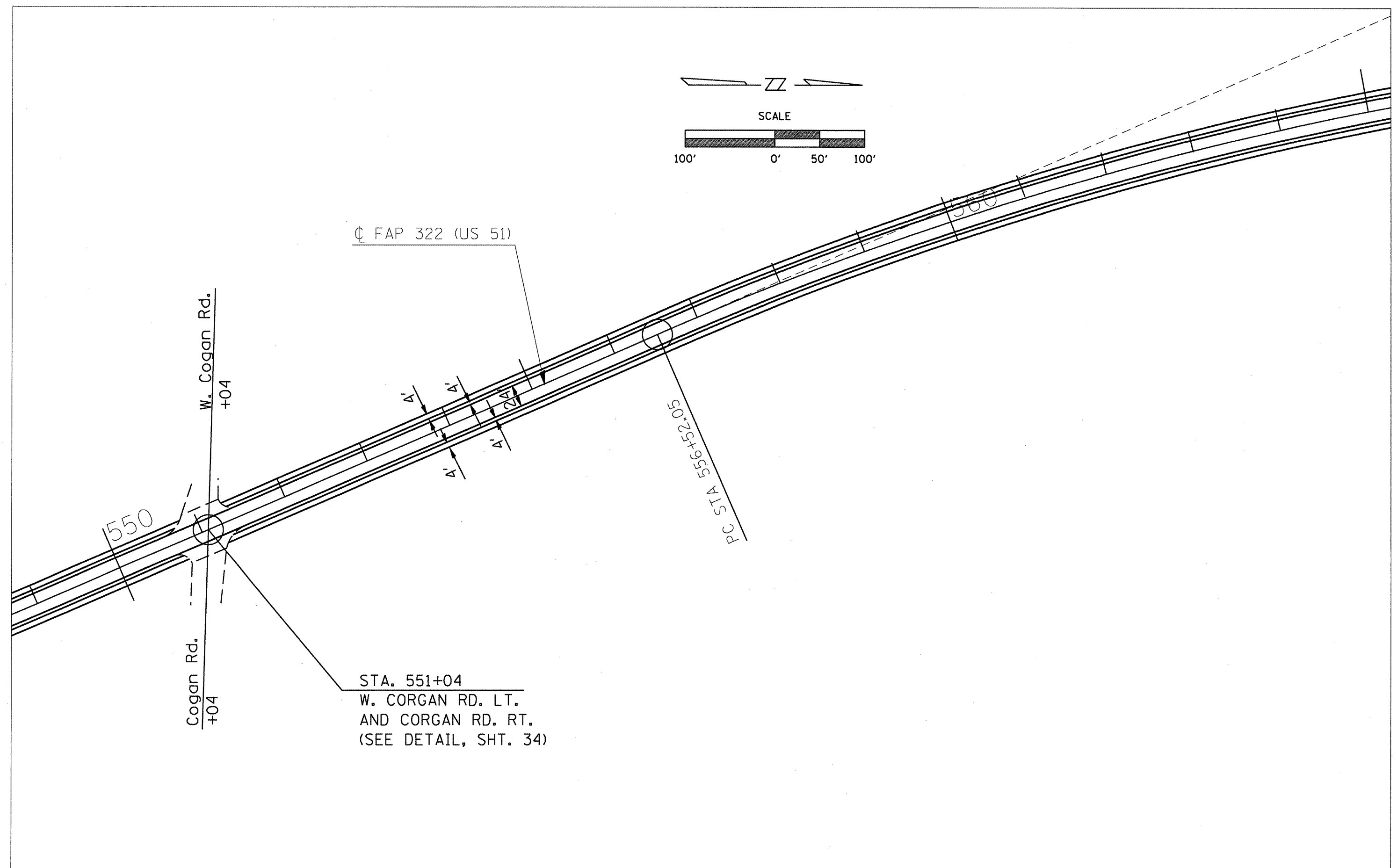
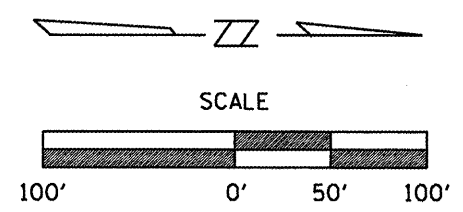
USER NAME = mcoordkr
 57-sht-plan.dgn
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/25/2010

DESIGNED -	---	REVISED -	-----
DRAWN -	---	REVISED -	-----
CHECKED -	---	REVISED -	-----
DATE -	---	REVISED -	-----

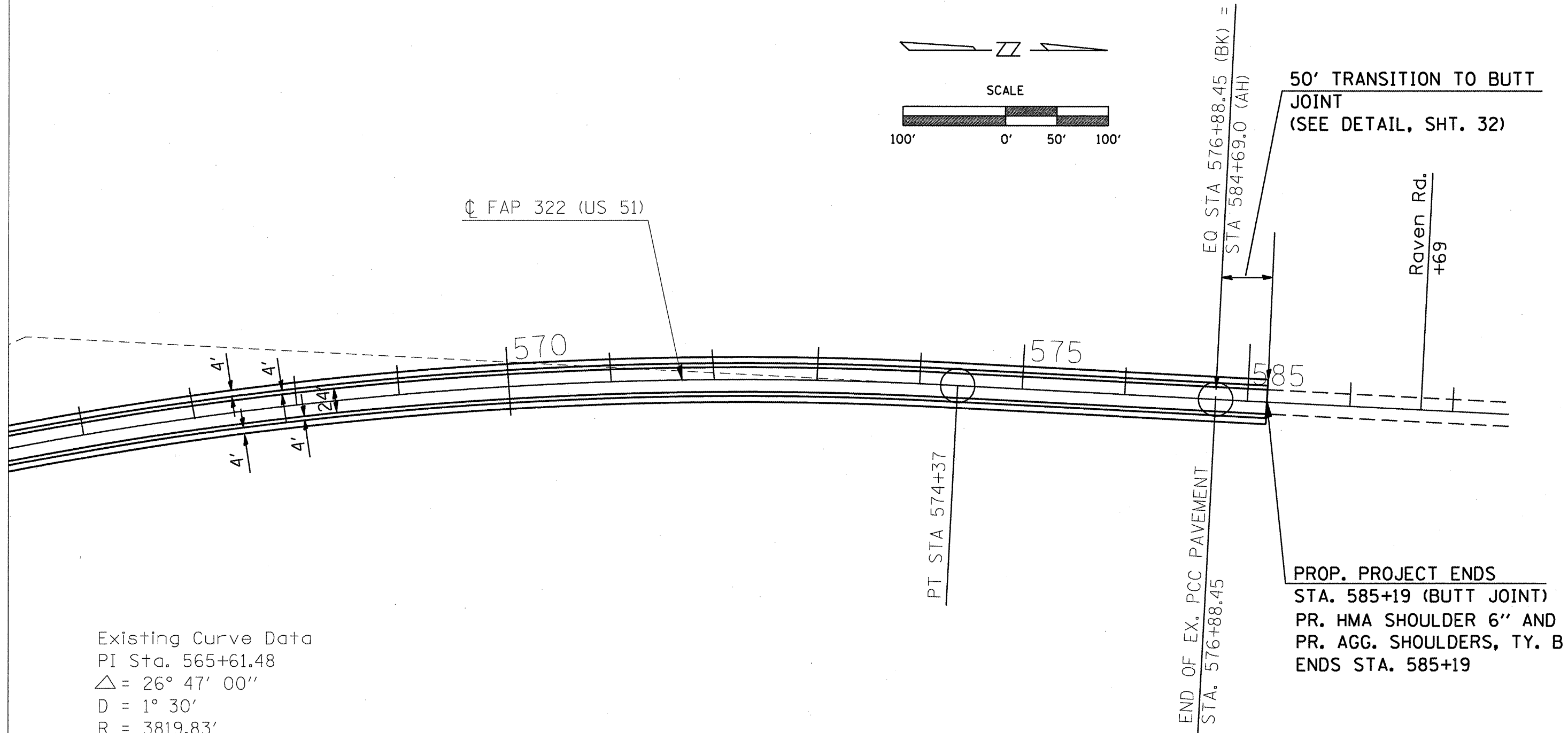
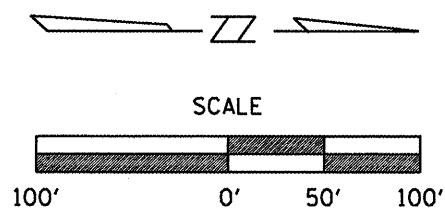
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN LAYOUT
 STA. 532 ± 50 TO STA. 549 ± 00
 SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. -322	SECTION -16-7185-3	COUNTY -PEBBY	TOTAL SHEETS -37	SHEET NO. -29
CONTRACT NO. 78167				
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = mcoordkr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN LAYOUT		F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwid\mccordkr\j0169663\78157-sht-plan.dgn		DRAWN -	REVISED -		-- STA. 549 ± 00 TO STA. 565 ± 25 --		-322	(6:7185-3)	PEBBY	-37-	-30-
PLOT SCALE = 100.0000 "/ IN.		CHECKED -	REVISED -		SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 78167			
PLOT DATE = 1/25/2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT						



Existing Curve Data
 PI Sta. 565+61.48
 $\Delta = 26^\circ 47' 00''$
 $D = 1^\circ 30'$
 $R = 3819.83'$
 $T = 909.42'$
 $L = 1785.56'$
 $E = 106.76'$
 $SE = 0.04'/FT$

FILE NAME =
 USER NAME = mcoordkr
 PLOT SCALE = 100.0000' / IN.
 PLOT DATE = 1/25/2010

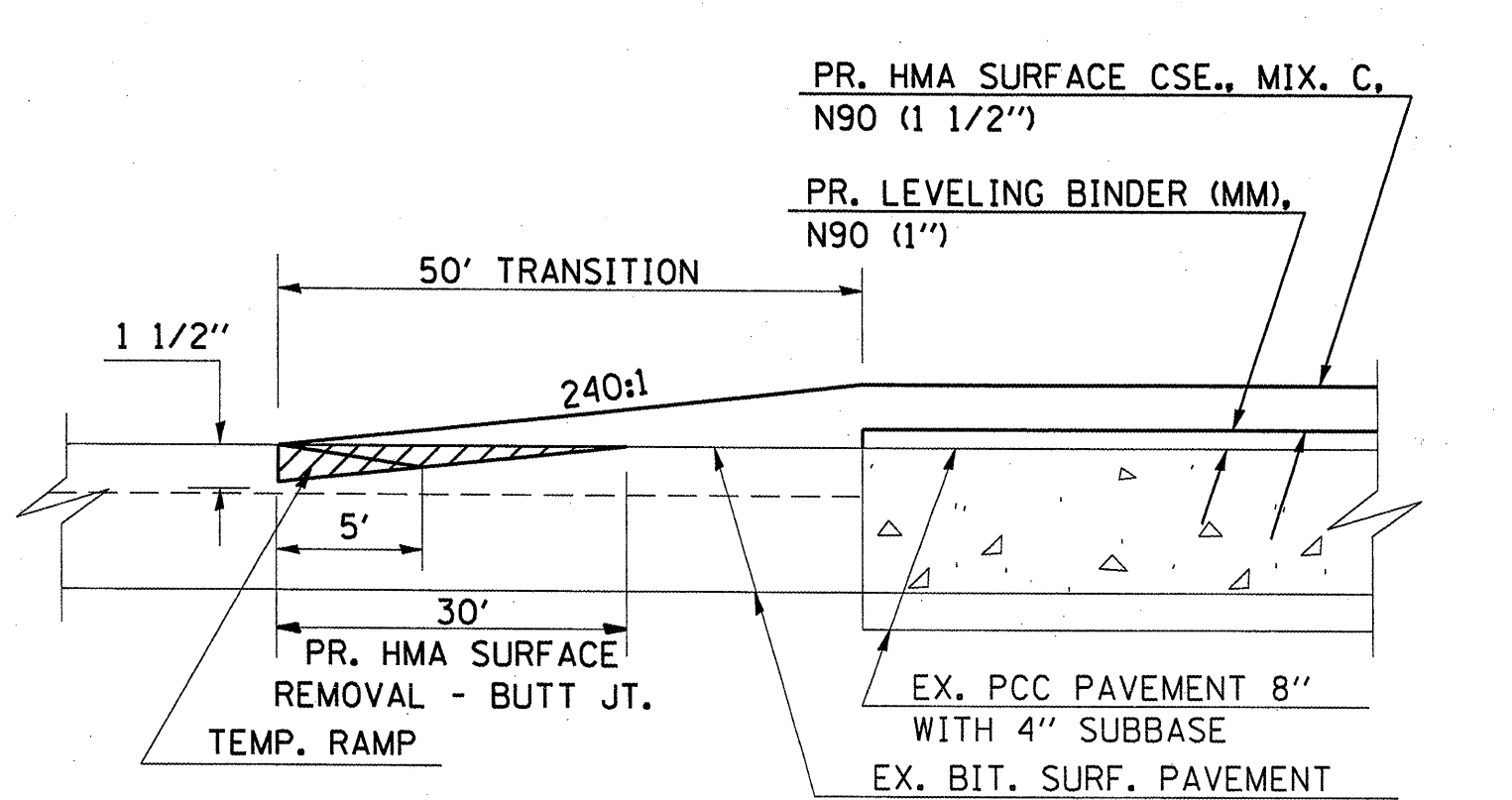
DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

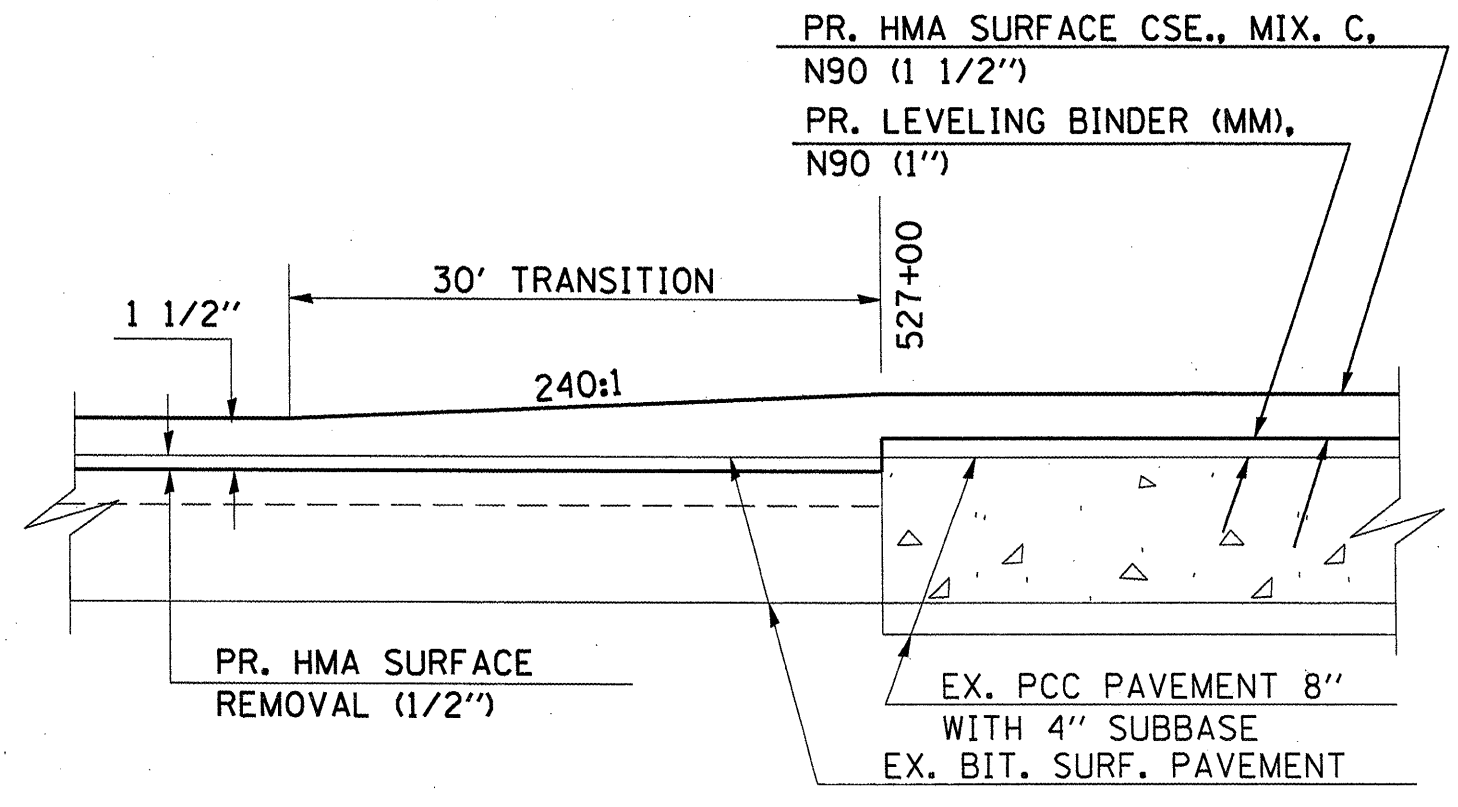
PLAN LAYOUT
 STA. 565 ± 25 TO STA. 585 ± 19

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

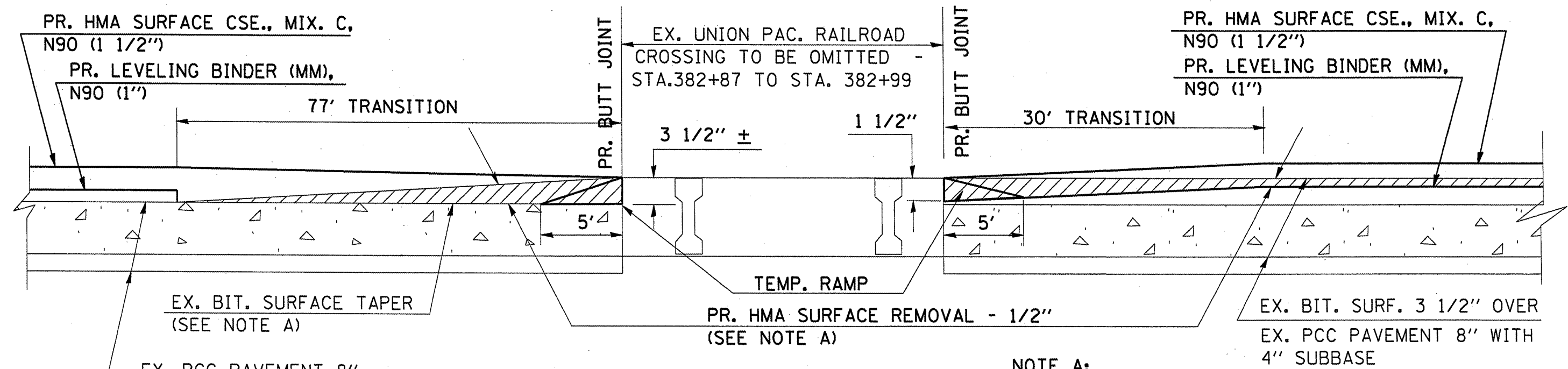
F.A.P. RTE. 322	SECTION 16-7185-3	COUNTY PERRY	TOTAL SHEETS 97	SHEET NO. 31
CONTRACT NO. 78167				
ILLINOIS FED. AID PROJECT				



**DETAIL FOR BUTT JOINT
BEGINNING AND ENDING OF PROJECT**

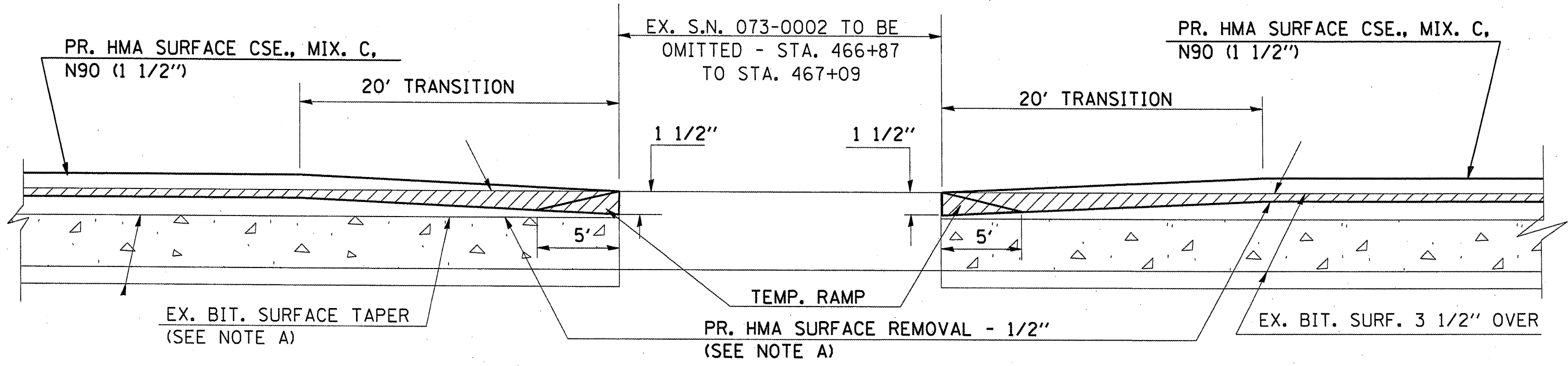


**DETAIL FOR TRANSITION AT STA. 527+00
FROM EXIST. BIT. SURFACE PAVEMENT
TO EX. PCC PAVEMENT**



**DETAIL FOR BUTT JOINT
AT RAILROAD CROSSING
STA. 382+87 AND 382+99**

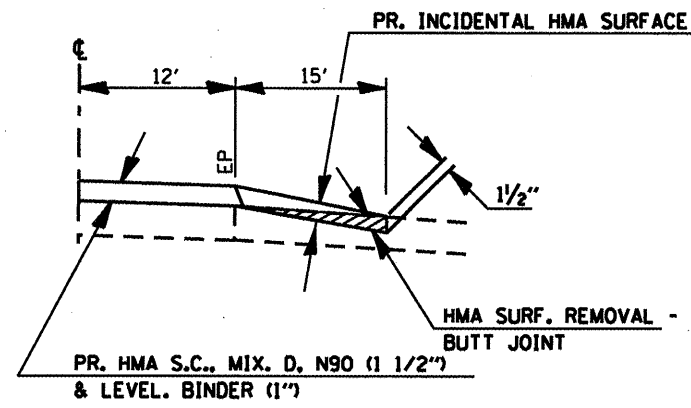
NOTE A:
THE COST OF THE BIT. TAPER REMOVAL AT STA. 382+87 AND BUTT JOINT REMOVAL AT STA. 382+99 AT THE RR CROSSING SHALL BE PAID FOR AS HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT.



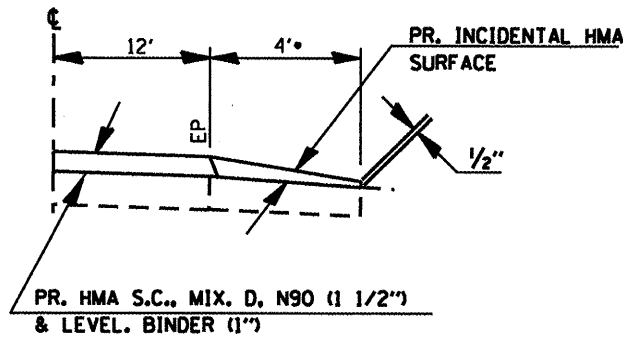
**DETAIL FOR BUTT JOINT
AT S.N. 073-0002**

FILE NAME =	USER NAME = mccordkr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	--- BUTT JOINT AT SN. 073-0002 ---	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\p\work\p\midot\mccordkr\j0169663\7837-aht-plan.dgn	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -			322	16-7185-3	REBRY	37	33	
PLOT DATE = 1/8/2010	DATE -	CHECKED -	REVISED -			CONTRACT NO. 78167					
						ILLINOIS FED. AID PROJECT					

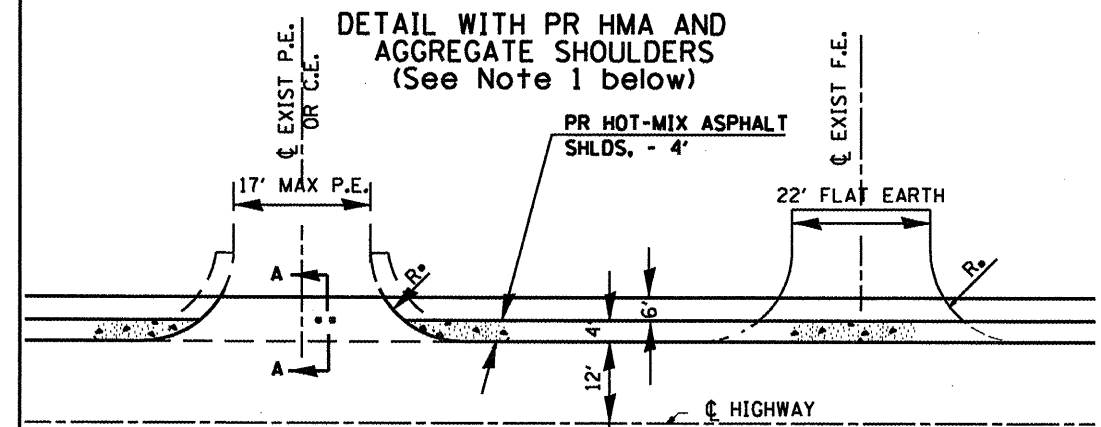
SIDEROAD AND ENTRANCE DETAILS



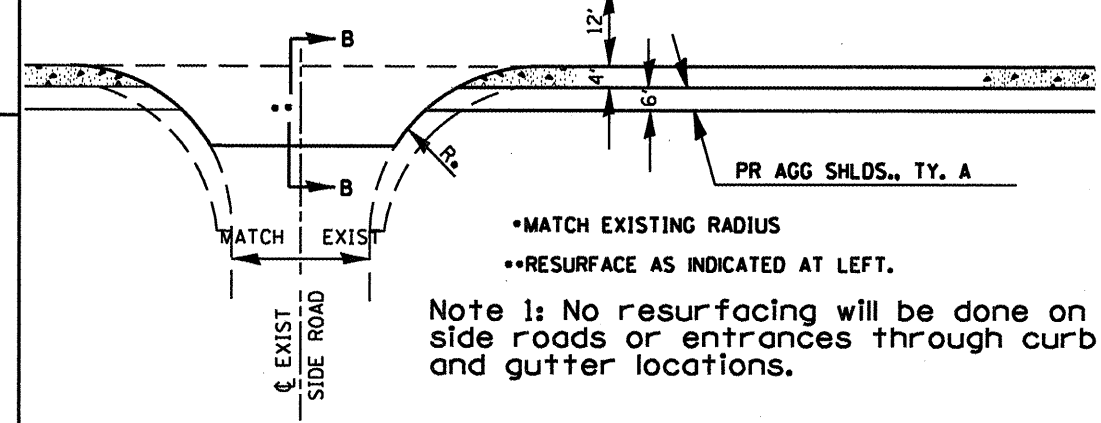
SIDE ROAD SEC. B-B
EX. BIT. OR CONC. SURFACE



PE OR CE SEC. A-A
EX. BIT. OR CONC. SURFACE
•OR END OF BIT. APRON

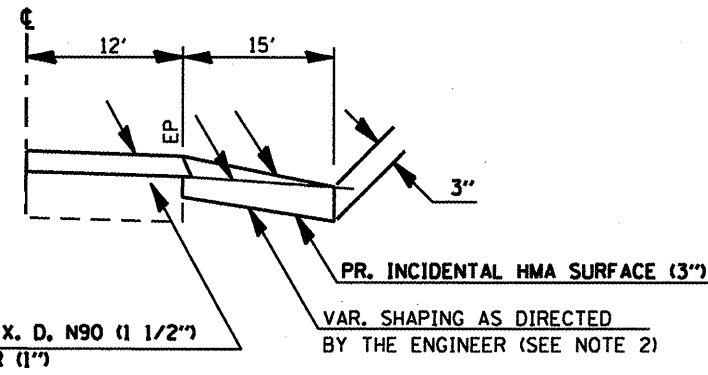


DETAIL WITH PR HMA AND
AGGREGATE SHOULDERS
(See Note 1 below)

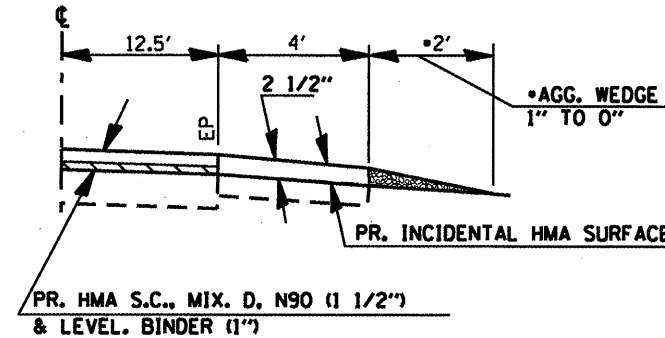


•MATCH EXISTING RADIUS
•RESURFACE AS INDICATED AT LEFT.

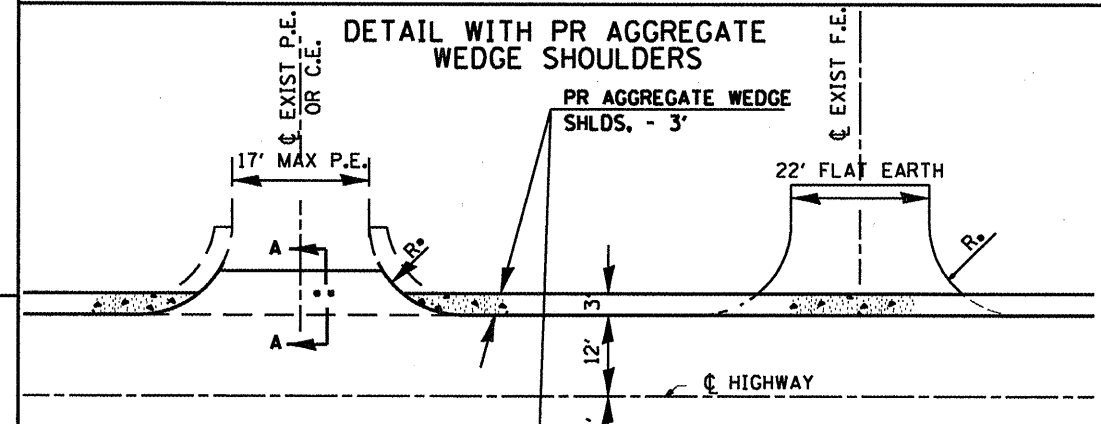
Note 1: No resurfacing will be done on side roads or entrances through curb and gutter locations.



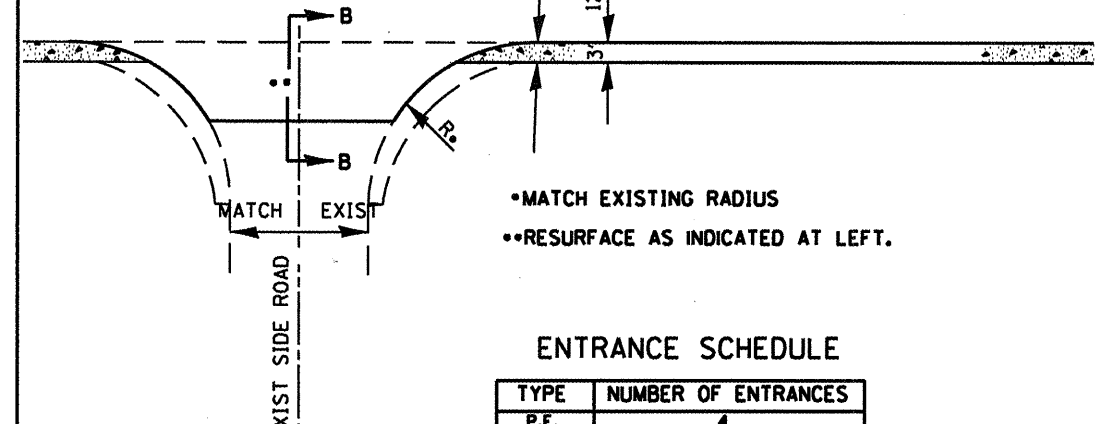
SIDE ROAD SEC. B-B
EX. AGGREGATE SURFACE
(SEE NOTE 1)



PE OR FE SEC. A-A
EX. AGGREGATE SURFACE
WITH BIT. APRON
•SEE ENTRANCE SCHEDULE
FOR QUANTITY.



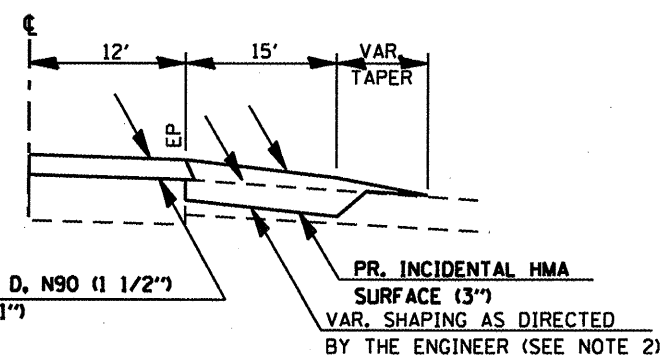
DETAIL WITH PR AGGREGATE
WEDGE SHOULDERS



•MATCH EXISTING RADIUS
•RESURFACE AS INDICATED AT LEFT.

ENTRANCE SCHEDULE

TYPE	NUMBER OF ENTRANCES
P.E.	4
F.E.	2
S.R.	8



SIDE ROAD SEC. B-B
EX. OIL & CHIP SURFACE
(SEE NOTE 1)

NOTES

- IF EXISTING SUBBASE IS INADEQUATE, AS DETERMINED BY THE ENGINEER, THE SIDE ROADS SHALL BE CORED OUT AND AGGREGATE SUBBASE, TYPE B SHALL BE PLACED FOR BASE. THE COST OF CORING OUT THE SIDE ROAD AND ANY AGGREGATE BASE COURSE SHALL BE PAID FOR AS SPECIFIED IN ART. 109.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. IF EXISTING SUBBASE IS DETERMINED TO BE ADEQUATE, THE PREPARATION OF THE BASE SHALL BE CONSTRUCTED ACCORDING TO ARTICLE 406.19.
- VARIABLE SHAPING IS INCLUDED IN THE COST OF INCIDENTAL HOT-MIX ASPHALT SURFACE.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

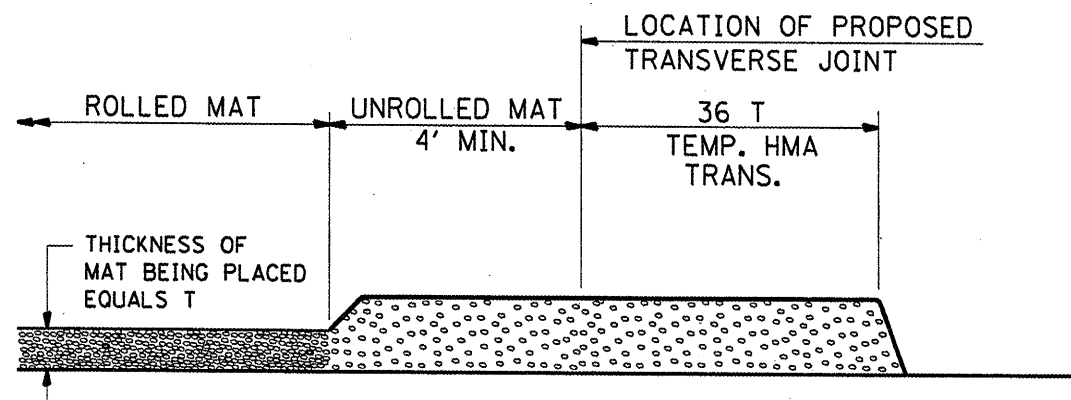
DETAIL: SIDE ROADS
AND ENTRANCES

FILE NAME =	USER NAME = mcoordkr	DESIGNED -	REVISED -
77-shr-plan.dgn		DRAWN -	REVISED -
PLOT SCALE = 1/8\"/>			
PLOT DATE = 1/25/2010		CHECKED -	REVISED -
		DATE -	REVISED -

F.A.P. RTE. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	16:785-3	PEBBY	37	34
CONTRACT NO. 78167				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

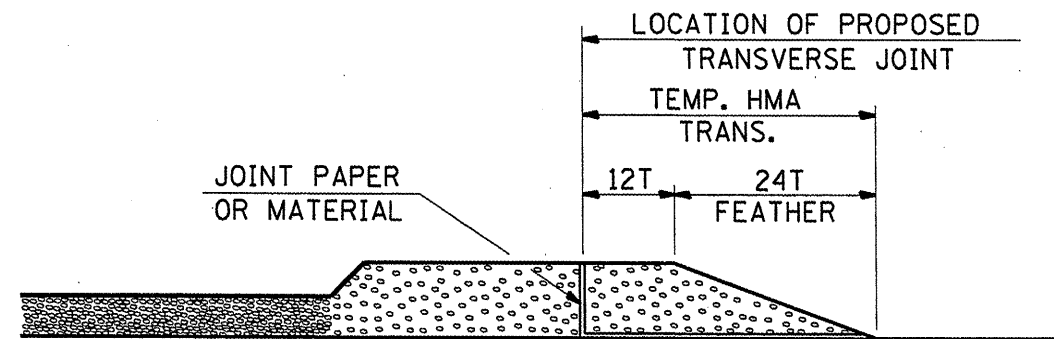
SCALE: SHEET NO. OF SHEETS STA. TO STA.

TEMPORARY HOT-MIX ASPHALT TRANSITIONS



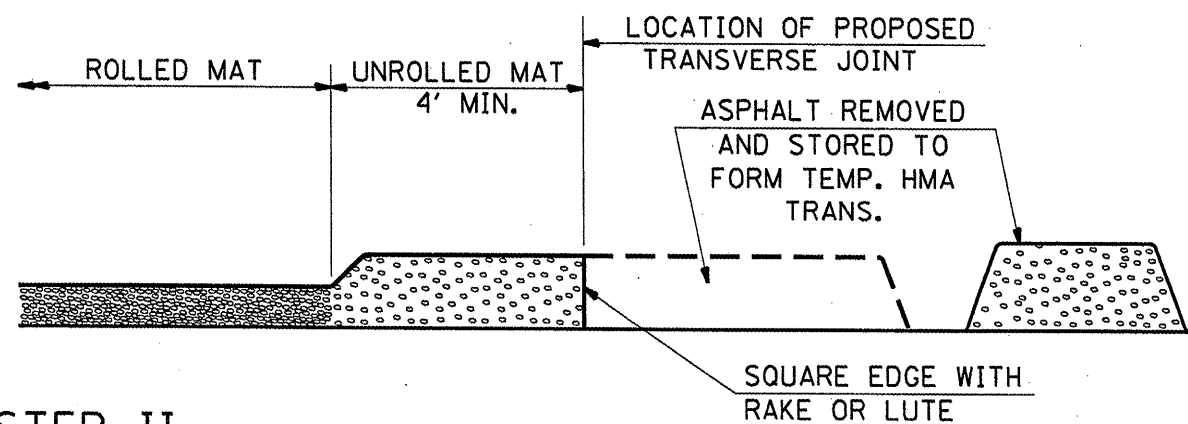
STEP I

1. PLACE HOT-MIX ASPHALT MAT, LENGTH 36 TIMES THE THICKNESS OF THE MAT BEING PLACED PAST THE PROPOSED TRANSVERSE JOINT LOCATION USING NORMAL OPERATING PROCEDURES.
2. EXTREME CARE SHOULD BE TAKEN TO MAINTAIN ENOUGH MATERIAL IN FRONT OF THE SCREED TO MAINTAIN REQUIRED PAVING DEPTH.



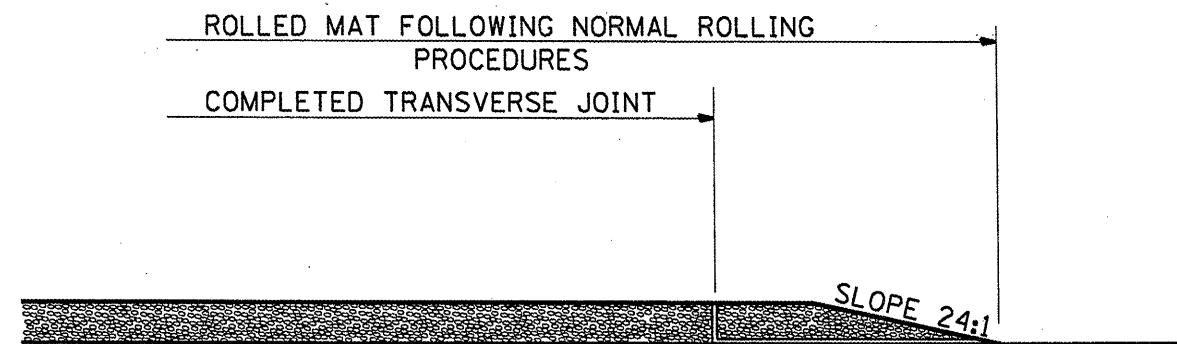
STEP III

1. JOINT PAPER OR OTHER PRESELECTED JOINT MATERIAL IS THEN PLACED IN THE CLEARED AREA AND THE EXCESS ASPHALT USED TO HAND FORM A TRANSITION TO THE DIMENSIONS SHOWN ABOVE.
2. NOTE THAT IN CONSTRUCTING THE TRANSITION, THE MAT DEPTH IS CONTINUED AS PART OF THE TRANSITION BEFORE FORMING THE FEATHER.



STEP II

1. MOVE THE PAVER OUT OF THE WAY AND REMOVE THE ASPHALT FROM THE AREA OF THE PROPOSED TEMPORARY HOT-MIX ASPHALT TRANSITION.
2. SQUARE UP THE END OF THE MAT WITH A RAKE OR LUTE.
3. NOTE THAT THE MAT WITHIN 4' OF THE END OF JOINT IS NOT TO BE ROLLED AT THIS TIME.



STEP IV

1. COMPLETE TEMPORARY TRANSITION BY ROLLING.
2. TO RESUME PAVING, AT THE JOINT, REMOVE TEMPORARY TRANSITION AND DISPOSE OF THE MATERIAL ACCORDING TO ART. 202.03 OF THE STD. SPECS. (COST INCLUDED IN THE CONTRACT).
3. CONSTRUCTING THE TEMPORARY TRANSITIONS WILL NOT BE PAID FOR SEPARATELY IN ACCORDANCE WITH ARTICLE 406.14 OF THE STANDARD SPECIFICATIONS.

REVISIONS	
REDRAWN	2-15-89
REVISED	8-16-94
REVISED	01-09-07
REVISED	

STD. 9-26

FILE NAME =	USER NAME = mcoordkr	DESIGNED -	REVISED -
as:\pwwork\PWIDOT\MCCORDKR\08169663\78157-shr-plan.dgn		DRAWN -	REVISED -
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 1/8/2018		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

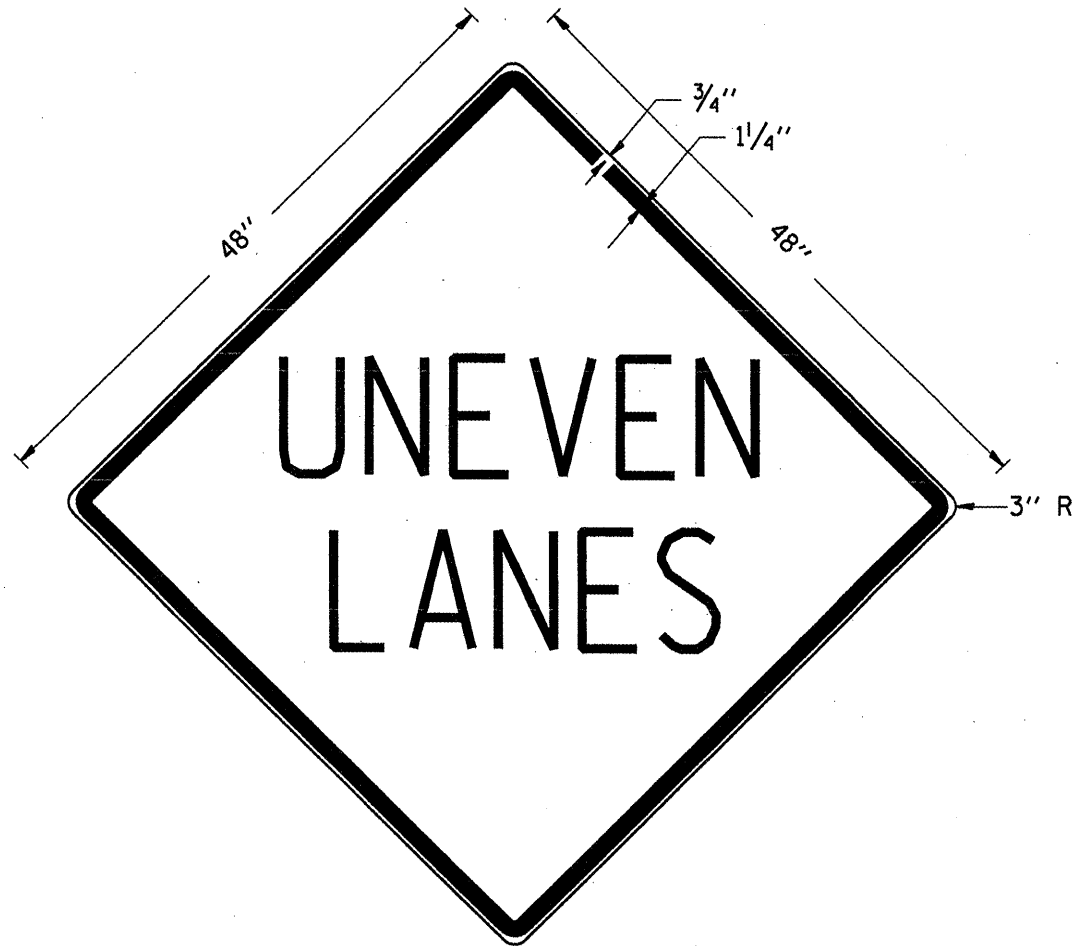
TEMP. HOT-MIX ASPHALT
TRANSITIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	16-7185-3	PEBBY	37	35
				CONTRACT NO. 78167
ILLINOIS FED. AID PROJECT				

UNEVEN LANES SIGN

W8-11 (48" x 48")



COLORS:

LEGEND AND BORDER - BLACK NON-REFLECTORIZED
BACKGROUND - ORANGE REFLECTORIZED

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS

DRAWN	2-15-89
REVISED	4-6-93
REDESIGNED	7-23-04
REVISED	

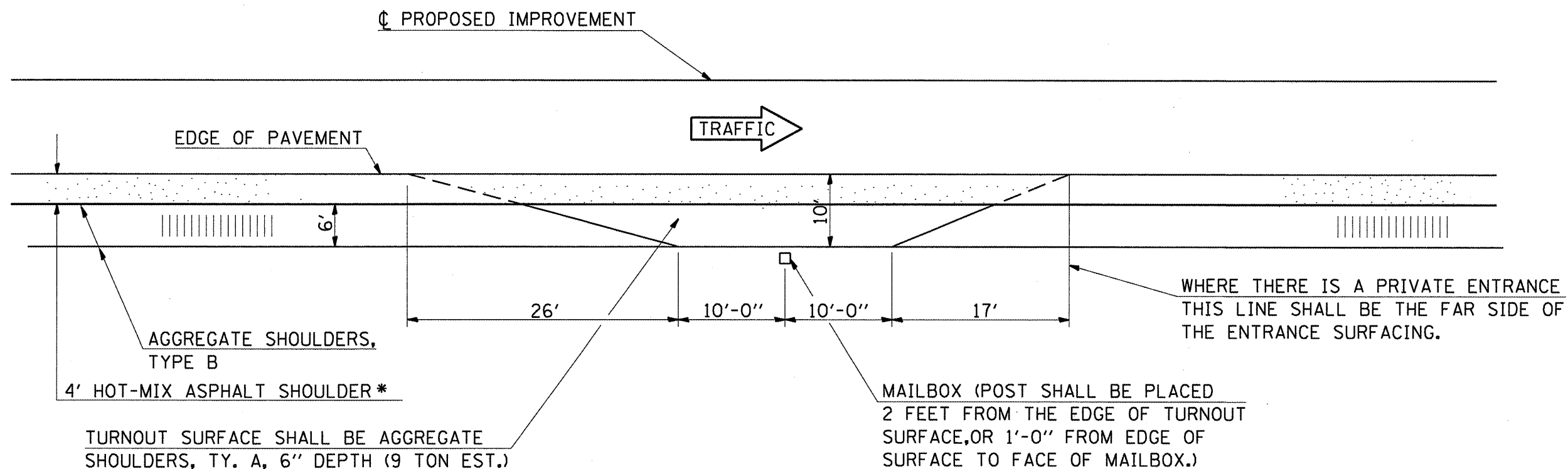
STD. 9-41

FILE NAME *	USER NAME * maccordkr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	--- DETAIL: UNEVEN LANES SIGN ---	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca\pwork\FW100T\MCCOROKR\d0169693\78137-shtrplan.dgn	DRAWN -	REVISED -	322			16-ZIBS-3	PEBBY	37	36		
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 78167								
PLOT DATE = 1/8/2010	DATE -	REVISED -	ILLINOIS FED. AID PROJECT								
						SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____			

MAILBOX TURNOUT

TO BE USED ALONG

4' HMA AND 6' AGGREGATE SHOULDER



NOTE:

WHERE THERE IS MORE THAN ONE MAILBOX IN A GROUP, THE 10 FOOT DIM. SHALL BE MEASURED FROM THE FIRST AND LAST MAILBOX.

THERE ARE 15 MAILBOX TURNOUTS ON THIS PROJECT AT 28 SY. YDS. EACH OF AGGREGATE SHOULDERS, TY. A, 6".

REVISIONS	
REDRAWN	2-15-89
REVISED	01-10-07
REVISED	3-26-08
REVISED	

STD. 9-15

FILE NAME =	USER NAME = mcoordkr	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAILBOX TURNOUT DETAIL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ci:\pwork\p1dot\mcoordkr\0169663\78167-sht-plan.dgn	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISD -			322	16-7185-3	PEBBY	37	37	
PLOT DATE = 1/12/2010	DATE -	CHECKED -	REVISD -			CONTRACT NO. 78167					
		DATE -	REVISD -			ILLINOIS FED. AID PROJECT					