CONTRACT NO. 76A34

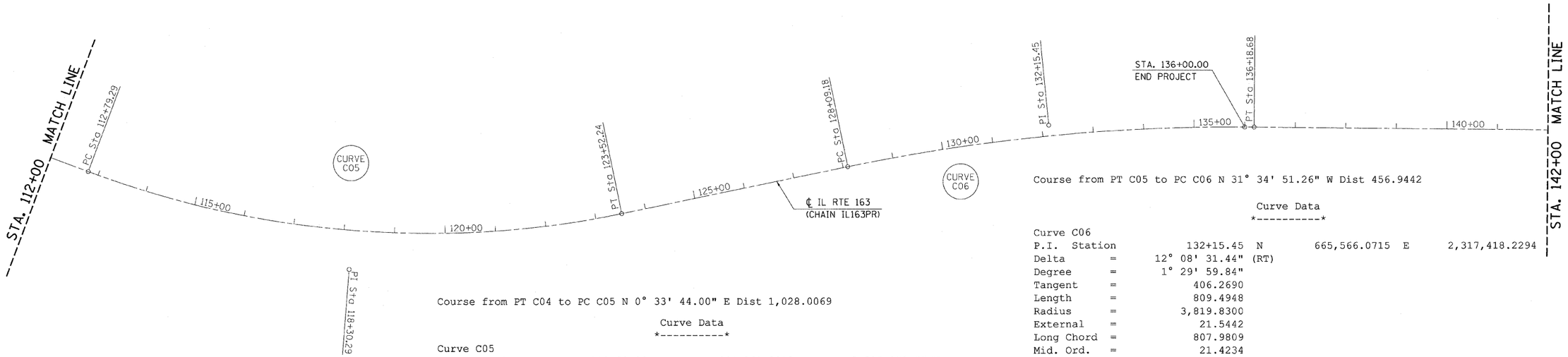
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
609	***	ST. CLAIR	350	27
STA. -		TO STA. -		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*** 76RS-3, 76-2BR-21

BENCH MARKS
SEE PLAN & PROFILE SHEETS FOR BENCH MARK DATA.

HORIZONTAL AND VERTICAL CONTROL

0 100 200
SCALE IN FEET



Course from PT C04 to PC C05 N 0° 33' 44.00" E Dist 1,028.0069

Curve Data

Curve C05

P.I. Station		118+30.29	N	664,361.3012	E	2,318,158.8557
Delta	=	32° 08' 35.27" (LT)				
Degree	=	2° 59' 44.83"				
Tangent	=	550.9999				
Length	=	1,072.9449				
Radius	=	1,912.5460				
External	=	77.7889				
Long Chord	=	1,058.9300				
Mid. Ord.	=	74.7487				
P.C. Station		112+79.29	N	663,810.3278	E	2,318,153.4490
P.T. Station		123+52.24	N	664,830.6989	E	2,317,870.2959
C.C.			N	663,829.0946	E	2,316,240.9951
Back	= N	0° 33' 44.00" E				
Ahead	= N	31° 34' 51.26" W				
Chord Bear	= N	15° 30' 33.63" W				

Course from PT C05 to PC C06 N 31° 34' 51.26" W Dist 456.9442

Curve Data

Curve C06

P.I. Station		132+15.45	N	665,566.0715	E	2,317,418.2294
Delta	=	12° 08' 31.44" (RT)				
Degree	=	1° 29' 59.84"				
Tangent	=	406.2690				
Length	=	809.4948				
Radius	=	3,819.8300				
External	=	21.5442				
Long Chord	=	807.9809				
Mid. Ord.	=	21.4234				
P.C. Station		128+09.18	N	665,219.9703	E	2,317,630.9933
P.T. Station		136+18.68	N	665,949.1820	E	2,317,283.0229
C.C.			N	667,220.4231	E	2,320,885.1122
Back	= N	31° 34' 51.26" W				
Chord Bear	= N	25° 30' 35.54" W				

Course from PT C06 to PC C07 N 19° 26' 19.82" W Dist 1,229.8383

Curve Data

Curve C07

P.I. Station		150+88.80	N	667,335.5022	E	2,316,793.7660
Delta	=	4° 48' 10.01" (RT)				
Degree	=	0° 59' 59.95"				
Tangent	=	240.2827				
Length	=	480.2840				
Radius	=	5,729.6500				
External	=	5.0361				
Long Chord	=	480.1434				
Mid. Ord.	=	5.0317				
P.C. Station		148+48.52	N	667,108.9163	E	2,316,873.7322
P.T. Station		153+28.80	N	667,567.9878	E	2,316,733.0518
C.C.			N	669,015.7462	E	2,322,276.7766
Back	= N	19° 26' 19.82" W				
Ahead	= N	14° 38' 09.81" W				
Chord Bear	= N	17° 02' 14.82" W				

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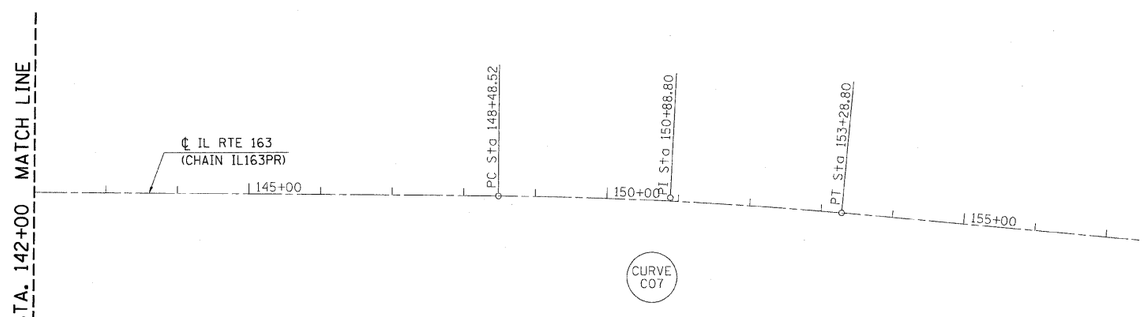
Ending chain 163CLPR description



REVISIONS	
NAME	DATE
IDOT REVIEW	03/08

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORIZONTAL & VERTICAL CONTROL

FAP RTE 609 (IL RTE. 163)
SECTION 76RS-3, 76-2BR-2I
ST. CLAIR COUNTY

SCALE: VERT.
HORIZ.
DATE 8/20/07

DRAWN BY SUTHEARD
CHECKED BY BOTT

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
2700 SOUTH 6th STREET
SPRINGFIELD, ILLINOIS 62703-5207
PROFESSIONAL DESIGN FIRM NO. 184-00179
PROFESSIONAL & STRUCTURAL ENGINEERING CORPORATION
(217) 753-8894, (217) 753-5227 (FILE VIEW) - EMAIL@GBSPRINGFIELD.COM

COMPUTER FILE NO. HVC163A

PROJECT 02076
8/20/07-MDS

PLOT DATE = 7/28/2008 11:53:12 AM
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