PLAN	BY	DATE
SURVEYED		
PLOTTED		
DRAWN CHECKED		
NOTE BOOK INT. OF WAY CHECKED		
NO. CAD FILE NAME		

MATCH LINE STA. 10+50.00 (PROP.)

STA 11+18.32
EXTEND EXISTING 10' X 6' CONCRETE BOX ON BOTH SIDES WITH PROPOSED CONCRETE BOX CULVERTS, 10' X 6'
FOR DETAILS SEE BOX CULVERT DETAIL SHEETS
USFL 517.73
DSFL 515.64

PROPOSED STONE RIPRAP, CLASS A4

PROPOSED STONE RIPRAP, CLASS A4

PROPOSED STONE RIPRAP, CLASS A4

PROPOSED PIPE CULVERT, CLASS A, TYPE 1 15" WITH CONCRETE THRUST BLOCKS AND CONCRETE ANCHORS AND WITH PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 15"
FOR DETAILS SEE RAMP F CROSS SECTION SHEETS
USFL 548.35
DSFL 522.00

(31) STA 14+73.52, 25.18' RT (RAMP F)
PROPOSED INLET TYPE A WITH TYPE 1 FRAME, OPEN LID
GR. 551.10
FL 548.35

PCC STA 13+83.44

CURVE C202

CURVE C201

PT STA 15+08.44

PC STA 19+42.88

PT STA 20+52.64

CURVE C200

POT STA 21+71.38

℄ RAMP F ENDS
STA 21+71.38
24' RT STA 2031+80.75
℄ ROADWAY A

EXTEND EXISTING 11' X 7.5' CONCRETE BOX ON RIGHT WITH PROPOSED CONCRETE BOX CULVERTS, 11' X 7.5'
SEE ROADWAY A DRAINAGE SHEETS FOR DETAILS

RAMP F

RAMP G

EB FAI ROUTE TO ROADWAY B OVERHEAD SIGN

WB FAI ROUTE TO ROADWAY A

WB FAI ROUTE TO ROADWAY A

℄ RAMP F

CURVE C20

N

PROP. RAMP F CURVE C202
PI STA. = 11+97.53
Δ = 33° 55' 47" (LT)
D = 8° 50' 56"
R = 647.50'
T = 197.53'
L = 383.44'
E = 29.46'
e = 8.00%
T.R. = N/A
S.E. RUN = N/A
P.C. STA = 10+00.00
P.T. STA = 13+83.44
SE ATTAINED STA. 10+00.00
TO STA 10+65.64 (7.62% TO 8.00%)

PROP. RAMP F CURVE C201
PI STA. = 14+46.05
Δ = 8° 25' 33" (LT)
D = 6° 44' 26"
R = 850.00'
T = 62.61'
L = 125.00'
E = 2.30'
e = 8.00%
T.R. = N/A
S.E. RUN = N/A
P.C. STA = 13+83.44
P.T. STA = 15+08.44
SE REMOVED STA. 13+78.44
TO STA 15+08.44 (8.00% TO 5.61%)

PROP. RAMP F CURVE C200
PI STA. = 19+97.77
Δ = 3° 04' 03" (RT)
D = 2° 47' 42"
R = 2,050.00'
T = 54.89'
L = 109.75'
E = 0.73'
P.C. STA = 19+42.88
P.T. STA = 20+52.64

PROP. ROADWAY A CURVE C20
PI STA. = 2059+30.08
Δ = 55° 59' 40" (LT)
D = 0° 50' 35"
R = 6,796.00'
T = 3,613.08'
L = 6,641.65'
E = 900.75'
e = 2.90%
T.R. = 45.00'/56.25'
S.E. RUN = 87.00'/108.75'
P.C. STA. = 2023+17.00
P.T. STA. = 2089+58.65
SE ATTAINED STA. 2022+14.00
TO STA 2023+46.00 (1.50% TO 2.90%)
SE REMOVED STA. 2089+22.40
TO STA 2091+27.15 (2.90% TO 1.50%)

NOTE: STATIONING WB FAI TO ROADWAY A IS REVERSED

0 50' 100'

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
DRAWN CHECKED		
NOTE BOOK STRUCTURE NO.(S) RYD		
NO.		

300.00' V.C.

VPI STA. 10+50.00
ELEVATION 568.64

-2.85%

100.00' V.C.

-2.85%

PROPOSED PROFILE

VPI STA. 12+60.00
ELEVATION 562.36

-2.85%

161.00' V.C.

+32.29

-1.23%

VPI STA. 15+20.00
ELEVATION 548.85

EXISTING PROFILE ALONG ℄ RAMP F

PROPOSED PROFILE RAMP F ENDS
STA 17+32.29
ELEV. 546.24

PROPOSED RAMP F PROFILE CONTROLLED BY MAINLINE ROADWAY A PROFILE AND RAMP TERMINAL CROSS SLOPES

MATCH LINE 10+50.00

STA 11+50.00
ELEV 539.13

SPECIAL DITCH RT
SLOPE = 7.82%

STA 12+00.00
ELEV 543.04

SPECIAL DITCH RT
SLOPE = 12.96%

STA 11+00.00
ELEV 532.65

SPECIAL DITCH RT
SLOPE = 11.80%

STA 10+50.00
ELEV 525.75

STA 11+50.00
ELEV 522.53

SPECIAL DITCH LT
SLOPE -3.69%

STA 11+18.32
10'W X 6'H RCBC TO BE EXTENDED BOTH SIDES
ELEV 516.62

STA 13+00.00
ELEV 517.00

	10+50	11+00	12+00	13+00	14+00	15+00	16+00	17+00	18+00	19+00	20+00	21+00
RIGHT DITCH ELEV		532.65		539.13		543.04						
LEFT DITCH ELEV				522.53		520.69		516.84		517.00		
	568.73	566.33	563.59	560.59	557.65	554.67	551.83	550.00	547.86	545.53	545.35	545.38
	568.52	565.72	562.87	560.27	557.81	555.80	553.94	552.32	550.88	549.62	548.61	547.87
	545.56	545.45	545.25	544.87	544.42	544.04	543.61	543.07	542.63	542.11	541.41	
	547.25	546.64	546.00	545.17	544.32	543.42	542.79	541.57	540.84	539.67	538.71	

FILE NAME = S:\Projects\HDR\07257-70\dgn\S Tri Ln\dm_pp_STri Ramp F.dgn	USER NAME = paul	DESIGNED - JWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN AND PROFILE, SOUTH TRI LEVEL – RAMP F
		DRAWN - PDB	REVISED -		
	PLOT SCALE = 100.0000 ' / IN.	CHECKED - BRM	REVISED -		SCALE: 1"=50' SHEET NO. 21 OF 27 SHEETS STA. 10+50.00 TO STA. 21+71.38
	PLOT DATE = 3/19/2010	DATE - 2-25-08	REVISED -		

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	(25-3)R	EFFINGHAM	1416	280
		CONTRACT NO. 74296		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		