CONTRACT NO. 74166

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
716	(130BR-1)B-1	MACON	95	13
STA. 132+50		TO STA. 138+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ESCA CONSULTANTS, INC.
CIVIL & STRUCTURAL ENGINEERS
SPRINGFIELD, ILLINOIS

PLAN — SURVEYED / DRAWN / ALIGNMENT CHECKED / P.I. OF ALIGN CHECKED / PLOT FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / DRAWN / GRADES CHECKED / ELEV. DATUM / PLOT FILE NAME / NOTE BOOK / NO. / BY / DATE

SEC. 4, T16N, R2E, 3RD P.M.

SEC. 3, T16N, R2E, 3RD P.M.

SCALE IN FEET: 20 0 20 40

MATCH LINE STA 132+50 SEE SHT. 12 FOR CONT.

MATCH LINE STA 138+50 SEE SHT. 14 FOR CONT.

MATCH LINE STA. 71+00 SEE SHT. 15 FOR CONT

SPRING CREEK

EX ROW

24″ EX ROW

133+70.10 60′ LT

136+00 85′ LT

136+65 85′ LT

138+00 60′ LT

134+49.82 60′ RT

135+40.58 74.51′ RT

137+00 100′ RT

TRANSITION CURB AND GUTTER TO MATCH BR APPR PVMT (SPL) IN 15′

REMOVE AND REERECT EXISTING GUARDRAIL AS REQUIRED FOR CURB AND GUTTER CONSTRUCTION

CLEAR ALL TREES FROM ROW NEAR BRIDGE TO ALLOW UTILITY WORK. PAID FOR AS TREE REMOVAL, ACRES

ADJUST DISTANCE TO FACE OF GUARDRAIL TO ALLOW POST TO CLEAR PR SAN. SEWER

SHORTEN PR GUARDRAIL POST TO CLEAR TOP OF PR SAN. SEWER

REMOVE EXISTING SAN. SEWER FROM PR GUARDRAIL LIMITS

LIGHT POLE TO BE RELOCATED BY OTHERS

GUARDRAIL REMOVAL

TBT TYPE 1 (SPECIAL) TANGENT

TBT TYPE 6

SIGN TO BE REMOVED

℄ FAP 716 (IL 48/OAKLAND AVENUE)

FIBER OPTIC POST

TRANSITION CURB AND GUTTER FROM EX SECTION TO B6.24 SECTION IN 15′

SBL PGL

NBL PGL

SAWCUT

SAWCUT FOR PAVEMENT REMOVAL

TRANSITION CURB AND GUTTER FROM M2.06 SECTION TO B6.24 SECTION IN 15′

STA 134+51.19 IL 48
STA 70+00 McKINLEY AVE

SIGN TO BE REMOVED

BRIDGE APPROACH PAVEMENT (SPECIAL) WITH BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE), (TYP EACH SIDE); SEE DETAILS ON SHEET 30.

TBT TYPE 1 (SPECIAL) FLARED

TBT TYPE 6

GUARDRAIL REMOVAL

TRANSITION CURB AND GUTTER FROM B6.24 SECTION TO M2.06 SECTION IN 15′

P.C. CONCRETE BRIDGE APPROACH SHOULDER PAVEMENT (SPECIAL), (TYP ALL FOUR CORNERS), SEE DETAILS ON SHEET 31.

GUARDRAIL REMOVAL

SEE SHEET 32 FOR DETAILS OF McKINLEY AVE. INTERSECTION

STA 133+00 BEGIN IMPROVEMENTS

EXISTING TYPE SM-6 MEDIAN TO REMAIN

+0.80%

PROPOSED VERTICAL CURVE DATA
VPI STA 134+27.50
EL 627.59
LENGTH = 85.00′
E = 0.12′
g_1 = +1.90%
g_2 = +0.80%
VPCC STA 133+85.00
VPT STA 134+70.00

85′ V.C.

85′ V.C.

210′ V.C.

STA 134+68.68 END OF APPROACH PAVEMENT CONNECTOR

STA 135+04.01 BK. S. ABUTMENT EL 628.26

STA 136+62.65 BK. N. ABUTMENT EL 629.39

STA 136+87.98 END OF APPROACH PAVEMENT CONNECTOR

PR PGL FAP 716

EL 618.0

EL 618.0

PR STRUCTURE

EX STRUCTURE

LIMITS OF POROUS GRANULAR EMBANKMENT (TYP); SEE STRUCTURE PLANS

D.H.W. EL 626.1 (50 YR)

EXISTING STREAMBED EL 614.2

ADJUST PROPOSED ELEVATIONS AS NECESSARY TO MATCH EXISTING

STA 133+00 BEGIN IMPROVEMENTS BITT JOINT

EX PGL SBL FAP 716

PROPOSED VERTICAL CURVE DATA
VPI STA 133+42.50
EL 625.98
LENGTH = 85.00′
E = 0.17′
g_1 = +0.28%
g_2 = +1.90%
VPC STA 133+00.00
VPCC STA 133+85.00

PROPOSED VERTICAL CURVE DATA
VPI STA 137+95.00
EL 630.53
LENGTH = 210.00′
E = 0.66′
g_1 = +0.80%
g_2 = +3.31%
VPC STA 136+90.00
VPT STA 139+00.00

645 640 635 630 625 620 615 610 605

625.86 (EX SBL PGL) 625.86 (PR NBL & SBL PGL) 626.24 626.54 627.05 627.74 627.20 628.17 628.57 628.05 628.97 629.37 628.78 629.78 630.39 630.72 631.29 632.50

+50 133+00 +50 134+00 +50 135+00 +50 136+00 +50 137+00 +50 138+00 +50

FAP 716 (ILLINOIS 48) PLAN AND PROFILE

STA 132+50 TO STA 138+50