CONTRACT NO. 97255

STRUCTURAL DESIGN DATA

INDIANA AVENUE EXTENSION

PAVEMENT TYPE: RIGID, REINFORCED JOINTED
CLASS OF STREET: CLASS I
DESIGN PERIOD: 20 YEARS
TRAFFIC DATA: 2005 ADT = 9,200
2015 ADT = 11,700 (SDT)
2025 ADT = 14,200
STRUCTURAL DESIGN TRAFFIC: 80% P.V. = 9,360
10% S.U. = 1,170
10% M.U. = 1,170
TRAFFIC FACTOR : 8.856 (80,000 LB. TRUCK DESIGN)
SHOULDER TYPE: TIED CURB AND GUTTER
SUBGRADE SUPPORT RATING: POOR (ASSUMED)
OVERLOADS: N/A (T.F.> 2.0)
DESIGN SPECIFIED: SLAB THICKNESS – 8 1/4"
JOINT SPACING – 15'
DOWEL BARS – 1.5" DIAMETER
SUBBASE – GRANULAR, 4"
REINFORCEMENT – PAVEMENT FABRIC

LEGEND

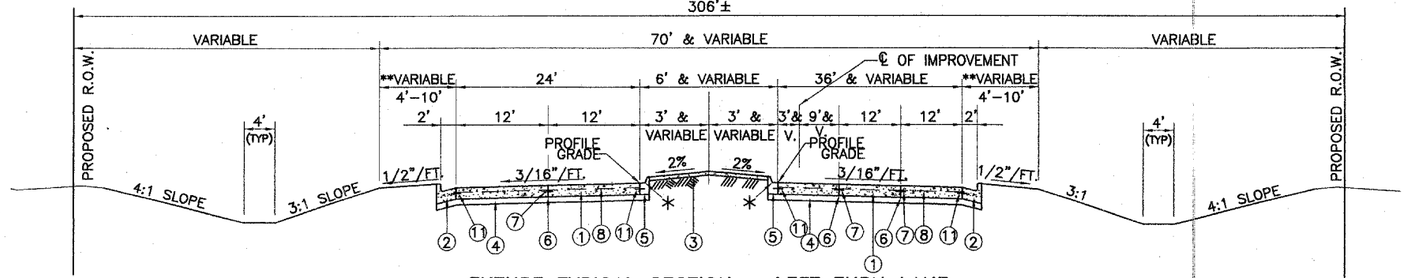
1. PORTLAND CEMENT CONCRETE PAVEMENT 8 1/4" (JOINTED), PAVEMENT SHALL BE JOINTED PER STANDARD 420101 AND 420106 15' JOINT SPACING, 1–1/2" DIAMETER DOWEL BARS THICKEN PAVEMENT TO 10" ON BOTH SIDES OF R.R. CROSSING PER HWY. STD. 420501 (INCIDENTAL)
2. COMBINATION CONCRETE CURB & GUTTER, TYPE B–6.24
3. CONCRETE MEDIAN SURFACE, 4"
4. SUB–BASE GRANULAR MATERIAL TYPE A (4")
5. COMBINATION CONCRETE CURB & GUTTER, TYPE, M–6.12 (SOUTH SIDE OF UNION PACIFIC RAILROAD CROSSING)
6. SAWED OR KEYED LONGITUDINAL JOINT
7. #6 EPOXY COATED TIE BARS 30" LONG @ 30" CENTERS
8. PAVEMENT FABRIC, TYPE A
9. PORTLAND CEMENT CONCRETE SIDEWALK, 4" STA.108+52.27 TO STA.114+04.60
10. COMBINATION CONCRETE CURB & GUTTER, TYPE B–6.12 (NORTH SIDE OF UNION PACIFIC RAILROAD CROSSING)
11. #6 EPOXY COATED TIE BARS 24" LONG @ 24" CENTERS

* REVERSE GUTTER PAN SLOPE

** STA. 110+60 TO STA. 116+00 = 10'
STA. 116+00 TO STA. 117+00 = TRANSITION 10' TO 4'
STA. 117+00 TO STA. 119+00 = 4'

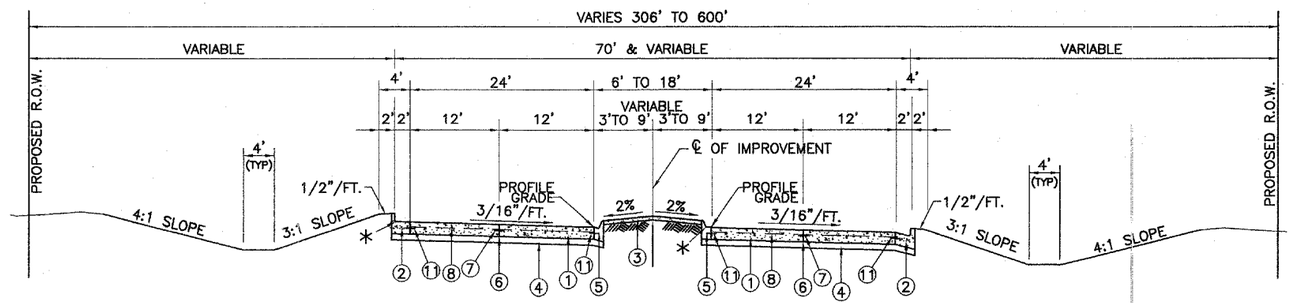
GENERAL NOTES:

1. STA. 123+57.36 TO STA. 123+87.66 – FUTURE BRIDGE APPROACH PAVEMENT STANDARD 420401
STA. 123+87.66 TO STA. 126+50.73 – BRIDGE CONSTRUCTION UNDER THIS CONTRACT
STA. 126+50.73 TO STA. 126+80.36 – FUTURE BRIDGE APPROACH PAVEMENT STANDARD 420401



FUTURE TYPICAL SECTION – LEFT TURN LANE

INDIANA AVENUE
(NO SCALE)
STA. 110+60 TO STA. 114+04.60
STA. 114+04.60 TO STA. 119+00 (REVERSE IMAGE)



FUTURE TYPICAL SECTION – SUPERELEVATION

INDIANA AVENUE
(NO SCALE)
STA. 119+00 TO STA. 123+57.36
STA. 126+80.36 TO STA. 135+00

THIS PLAN SHEET IS PROVIDED FOR THE CONTRACTOR'S INFORMATION ONLY, PAVEMENT CONSTRUCTION WILL BE COMPLETED UNDER A FUTURE CONTRACT.

REVISIONS

SMS ENGINEERS
Sheppard Morgan & Schwaab, Inc.
CONSULTING ENGINEERS LAND SURVEYORS
215 Market Street
P.O. BOX E
Alton, Illinois 62012
618/462–9755
10 Central Industrial Dr
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CITY OF ALTON, ILLINOIS
SECTION 97 – 00208 – 01 – GS
INDIANA AVE. EXTENSION–PHASE II
TYPICAL SECTIONS

DWG. NO.	
REF. BK.	PG.
JOB NO.	406365.1
DSN. BY:	D.E.G.
DWN. BY:	CAD
CHK. BY:	D.E.G.
DATE:	APRIL, 2005
SCALE:	NO SCALE