

DESIGN DATA - KNOX COUNTY HWY. 32

- STRUCTURAL DESIGN YEAR 2024
ADT 1910; 50% IN DESIGN LANE
PV = 850 (89%)
SU = 29 (3%)
MU = 76 (8%)
- CLASS II STREET
- DESIGN PERIOD 20 YEARS
- SOIL SUPPORT POOR
- TRAFFIC FACTOR TF = 0.66
- STRUCTURAL NUMBER SN = 4.40
- PAVEMENT MATERIALS:
 - BITUMINOUS CONCRETE SURFACE SUPERPAVE = 0.40
 - BITUMINOUS CONCRETE BINDER SUPERPAVE = 0.33
 - SUBBASE GRANULAR MATERIAL TYPE B = 0.11
- PAVEMENT:
 - BITUMINOUS CONCRETE SURFACE SUPERPAVE = 4"
 - BITUMINOUS CONCRETE BINDER SUPERPAVE = 6"
 - SUBBASE GRANULAR MATERIAL TYPE B = 8"
 - GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

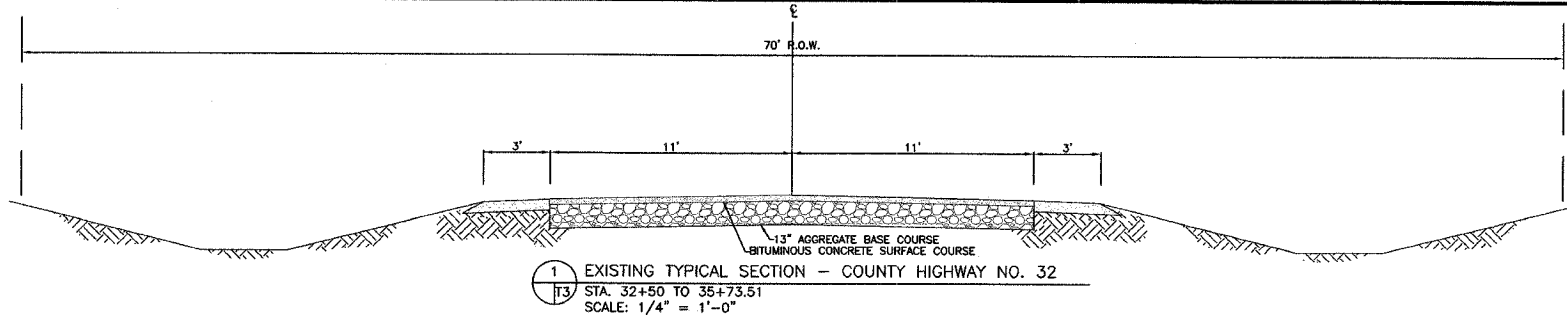
KNOX COUNTY HWY. 32		
LOCATIONS	STA. 32+50 TO 35+73.51	STA. 32+50 TO 35+73.51
MIXTURE	SURFACE	BINDER
PG	64-22	58-22
RAP % MAX**	15	25
DESIGN AIR VOIDS	4% CN=50	4% CN=50
MIX COMP	9.5	19.0
FRICITION AGG.	MIXTURE D	-
MIX WEIGHT	112 #/S.Y./1" THICK.	112 #/S.Y./1" THICK.

** NOTE: IF > 15% RAP IS USED, THE DISTRICT MATERIALS ENGINEER MAY REQUIRE THE USE OF A SOFTER GRADE OF ASPHALT.

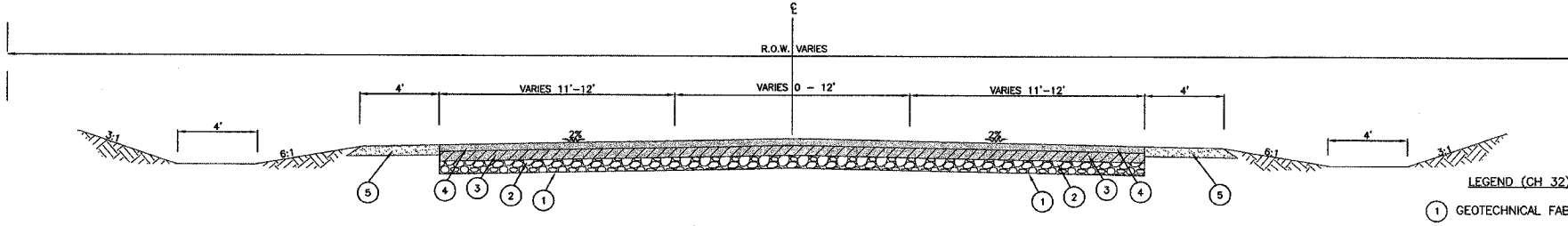
- DESIGN DATA (U.S. 150)
- STRUCTURAL DESIGN YEAR 2024
ADT 2400; 50% IN DESIGN LANE
PV = 3655 (50%)
SU=301 (50%)
MU=344 (50%)
 - CLASS II STREET
 - DESIGN PERIOD - 20 YEARS
 - TRAFFIC FACTOR - 4.73
 - PAVEMENT MATERIALS:
 - PORTLAND CEMENT CONCRETE PAVEMENT (9")
 - BINDER: N/A
 - SURFACE: N/A
 - IBR: 3 STA. (29+50 TO 43+15)

DESIGN DATA - LOGISTICS PARKWAY

- STRUCTURAL DESIGN YEAR 2024
ADT 2400; 50% IN DESIGN LANE
PV = 1068 (89%)
SU = 36 (3%)
MU = 96 (8%)
- CLASS II STREET
- DESIGN PERIOD 20 YEARS
- SOIL SUPPORT POOR
- TRAFFIC FACTOR TF = 1.19
- PAVEMENT:
 - PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2" JOINTED WITH TIED CURB & GUTTER
 - GRANULAR EMBANKMENT SPECIAL, CA-6 (6")
 - GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

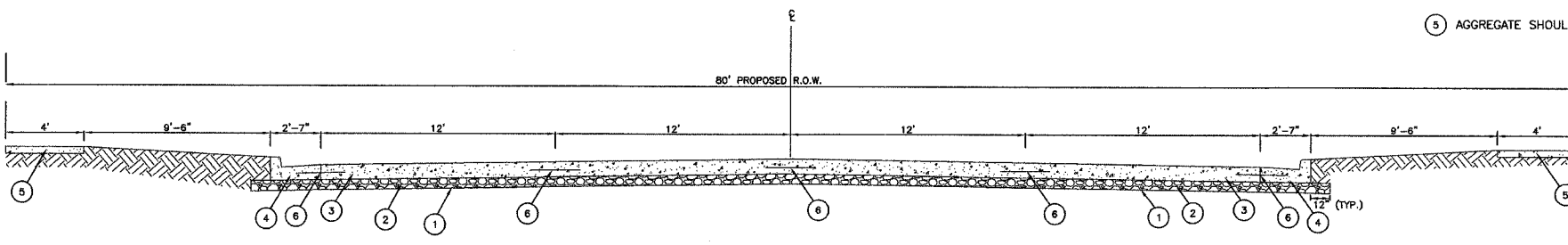


1 EXISTING TYPICAL SECTION - COUNTY HIGHWAY NO. 32
T3 STA. 32+50 TO 35+73.51
SCALE: 1/4" = 1'-0"



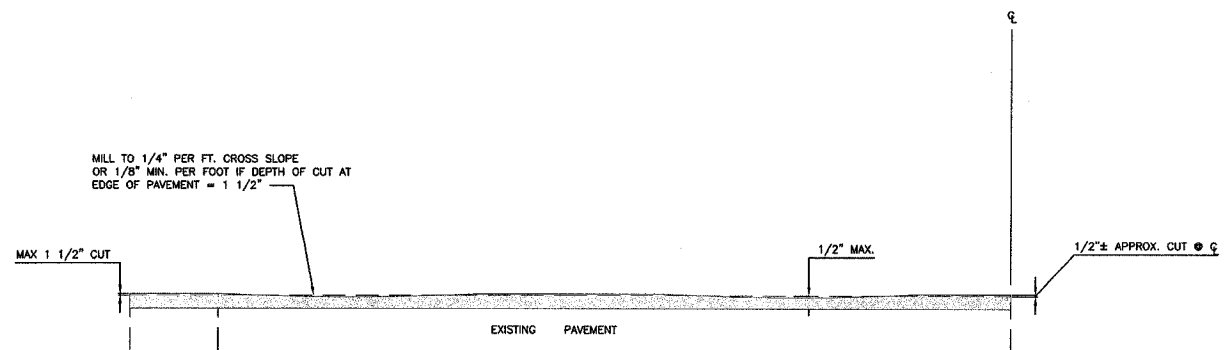
2 PROPOSED TYPICAL SECTION - COUNTY HIGHWAY NO. 32
T3 STA. 32+50 TO 35+73.51
SCALE: 1/4" = 1'-0"

- LEGEND (CH 32) - DETAIL 2/T3
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 - GRANULAR EMBANKMENT SPECIAL, CA-6 (8")
 - BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE (6")
 - BITUMINOUS CONCRETE SURFACE COURSE SUPERPAVE (4") (2-2" LIFTS)
 - AGGREGATE SHOULDERS TYPE B (6")

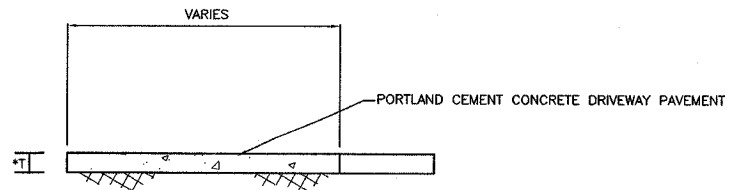


3 PROPOSED TYPICAL SECTION - LOGISTICS PARKWAY
T3 STA. 0+18 TO 2+19
SCALE: 1/4" = 1'-0"

- LEGEND (LOGISTICS PARKWAY) - DETAIL 3/T3
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 - GRANULAR EMBANKMENT SPECIAL, CA-6 (6")
 - PCC PAVEMENT (9")
 - COMB. CONC. CURB & GUTTER TYPE B-6.24
 - PCC SIDEWALK (4")
 - TIE BARS, #4 X 30" @ 24" CENTERS



4 PAVEMENT COLDMILLING DETAIL - US ROUTE 150 (GRAND AVE)
T3 STA. 29+50 TO 43+15
SCALE: 1/2" = 1'-0"



LOCATIONS

US 150 (GRAND AVE)	*THICKNESS (T)
STA. 31+14 LT.	8"
STA. 32+98 LT.	8"
KNOX C.H. 32	
STA. 34+18 RT.	8"
STA. 35+10 LT.	6"

5 PROPOSED DRIVEWAY DETAIL
T3 SCALE: NONE

REVISIONS 04/03/2006 JWH
 DRAWN: JWH
 CHECKED: KJC
 APPROVED: KJC
 APPROVED: KJC
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TYPICAL SECTIONS
 PLANS FOR PROPOSED
 INTERSECTION CONSTRUCTION
 US ROUTE 150, LOGISTICS PARKWAY & KNOX COUNTY HWY. 32
 GALESBURG, ILLINOIS

JOB NO.
 240215
 SHEET NO. 6
T3
 02/22/2005