CONTRACT NO. 72829

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
75	84-12; 11-3	*	729	23
STA. N/A		TO STA. N/A		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT		

* SANGAMON AND CHRISTIAN

PROPOSED LEGEND

1. PROP. PROCESSING MODIFIED SOIL 12"
2. PROP. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 3/4"
3. PROP. BITUMINOUS MATERIALS (PRIME COAT)
4. PROP. SUB-BASE GRANULAR MATERIAL, TYPE C
5. PROP. HOT-MIX ASPHALT SHOULDERS, 8" (W - W/O RUMBLE STRIP)
6. PROP. AGGREGATE SHOULDERS, TYPE A
7. PROP. AGGREGATE SHOULDERS, TYPE A, 8"
8. PROP. PIPE UNDERDRAINS, 4"
9. PROP. SEEDING CLASS 2, WITH MULCH METHOD 2
10. PROP. TOPSOIL PLACEMENT, 4"
11. PROP. LANE STRIPING (SEE PAVEMENT MARKING PLAN)
12. PROP. AGGREGATE BASE COURSE, TYPE A, 10"
13. NOT USED
14. PROP. A-3 BITUMINOUS SURFACE TREATMENT
15. PROP. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 1/2"
16. PROP. REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
17. PROP. PAVEMENT REMOVAL
18. NOT USED
19. NOT USED
20. NOT USED
21. NOT USED
22. FOG TACK COAT PER ENGINEER (ART. 407.13)
23. NOT USED
24. PROP. HOT MIX ASPHALT SURFACE REMOVAL, VARIABLE (1/2" TO 3/4")
25. PROP. TOPSOIL PLACEMENT (SPECIAL), 4"
26. PROP. INTERSEEDING, CLASS 5 (MODIFIED)
27. PROP. STORM SEWER, 18"
28. PROP. TOPSOIL EXCAVATION (SPECIAL), 12"
29. PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
30. PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"
31. PROP. HOT-MIX ASPHALT SHOULDERS, 2" (W - W/O RUMBLE STRIP)
32. PROP. HOT-MIX ASPHALT LEVELING BINDER (MACHINE METHOD), N50, 3/4"
33. PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"
34. PROP. HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 2 1/2"

EXISTING LEGEND

1. EXISTING P.C.C. CONCRETE (9"-6"-9") WITH BASE COURSE WIDENING AND BITUMINOUS OVERLAY
2. EXISTING STABILIZED SUB-BASE (12")
3. EXISTING BITUMINOUS CONCRETE PAVEMENT, 13 3/4 "
4. EXISTING BASE COURSE WIDENING (9")
5. EXISTING BITUMINOUS CONCRETE OVERLAY (2 1/4 " TO 5 1/4 ")
6. EXISTING SUB-BASE GRANULAR MATERIAL
7. EXISTING BITUMINOUS CONCRETE SHOULDER (8")
8. EXISTING BITUMINOUS CONCRETE SHOULDER (9 1/2 ")
9. EXISTING AGGREGATE SHOULDER (6")
10. EXISTING AGGREGATE SHOULDER (8")
11. EXISTING PIPE UNDERDRAIN, 4"
12. EXISTING OIL AND CHIP PAVEMENT (VARIES)

STRUCTURAL PAVEMENT DESIGN INFORMATION - IL. RTE. 29

STRUCTURAL DESIGN TRAFFIC: YEAR 2015

PV = 14,776 SU = 755 MU = 869

ROAD/STREET CLASSIFICATION: CLASS I

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

PV= 32% SU= 45% MU= 45%

TRAFFIC FACTOR: ACTUAL TF = 4.69 AC TYPE = 20

MINIMUM TF = 4.27

PG GRADE: BINDER = SBS-PG70-28 SURFACE = SBS-PG70-28

SUBGRADE SUPPORT RATING:

SSR = POOR

STRUCTURAL PAVEMENT DESIGN INFORMATION - SIDEROADS

-TR 81 (2000N) -CH 23 (800E) -TR 74 (625E) -TR 299 (7S)
-TR 73 (2050N) TR 88 (725E) -TR 321 (7.5S) -ELM STREET
-CH 21 (2100N) -TR 63 (2300N) -TR 486 (11.5E)

STRUCTURAL DESIGN TRAFFIC: YEAR 2015

PV = 264 SU = 27 MU = 9

ROAD/STREET CLASSIFICATION: CLASS IV

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

PV= 88% SU= 9% MU= 3%

TRAFFIC FACTOR: ACTUAL TF = 0.01 AC TYPE = 20

MINIMUM TF = 0.50

PG GRADE: BINDER = PG 64-22 SURFACE = PG 64-22

SUBGRADE SUPPORT RATING:

SSR = POOR

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL. RTE. 29

SCALE: N/A DRAWN BY: B.J.D.
DATE: 03/06/2012 CHECKED BY: J.M.M.

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3/16/2012