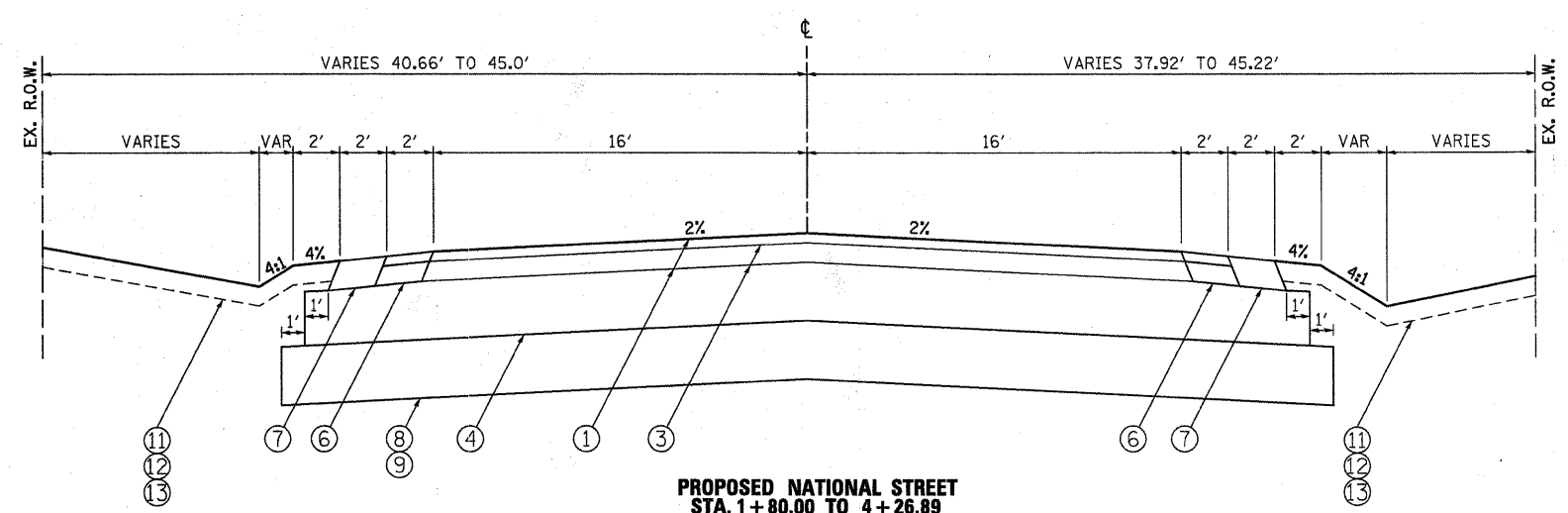


**PROPOSED PLANK ROAD  
STA. 294+20.86 TO 302+01.07**



**PROPOSED NATIONAL STREET  
STA. 1+80.00 TO 4+26.89**  
SOIL MODIFICATION / LIME  
STA. 2+40.00 TO STA. 4+26.89

**LEGEND, EXISTING**

- (A) EXISTING GROUND LINE
- (B) EXISTING HOT-MIX ASPHALT - SEE TABLE FOR THICKNESS
- (C) EXISTING AGGREGATE BASE COURSE - SEE TABLE FOR THICKNESS
- (D) EXISTING AGGREGATE SHOULDER
- (E) EXISTING TYPE B6.12 CURB AND GUTTER
- (F) FULL DEPTH HMA PAVEMENT STRUCTURE - TO BE REMOVED (44000100)
- (G) PAVEMENT REMOVAL (SURFACE COURSE), 1/2" (44004500)
- (H) AGGREGATE SHOULDER - TO BE REMOVED (INCLUDED IN EARTH EXCAVATION - 20200100)
- (I) TOPSOIL STRIPPING (REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL - 20201200)
- (J) EARTH EXCAVATION - (20200100)
- (K) SAW CUTTING (FULL DEPTH) - INCIDENTAL TO APPLICABLE REMOVAL ITEMS

**LEGEND, PROPOSED**

- (1) HMA FULL PAVEMENT (FULL-DEPTH), 6"  
HMA SURFACE COURSE, MIX "D", N50, 2" (40603335)  
HMA BINDER COURSE, IL-19.0, N50, 4" (IN 2 LIFTS - 40603080)
- (2) HMA FULL PAVEMENT (FULL-DEPTH), 8"  
HMA SURFACE COURSE, MIX "C", N30, 2" (40603305)  
HMA BINDER COURSE, IL-19.0, N50, 6" (IN 2 LIFTS- 40603080)
- (3) BITUMINOUS MATERIALS (PRIME COAT) (40600100)
- (4) AGGREGATE SUBGRADE, 12" (20001050)
- (5) HMA SHOULDERS, 6" (48203100)  
HMA SURFACE COURSE, MIX "D", N50, 2"  
HMA BINDER COURSE, IL-19.0, N50, 4" (IN 2 LIFTS)
- (6) HMA SHOULDERS, 8" (48203100)  
HMA SURFACE COURSE, MIX "C", N30, 2"  
HMA BINDER COURSE, IL-19.0, N50, 6" (IN 2 LIFTS)
- (7) AGGREGATE SHOULDERS, TYPE B 6" (48101500)
- (8) PROCESSING MODIFIED SOIL 12" (30200650)
- (9) FLY ASH (30201600)
- (10) GRADING AND SHAPING DITCHES (21400100)
- (11) TOPSOIL PLACEMENT, 6" (TO BE PAID AS TOPSOIL EXCAVATION AND PLACEMENT - 21101505)
- (12) SEEDING, CLASS 2A W/EROSION CONTROL BLANKET (25000210/25100630)
- (13) FERTILIZER NUTRIENTS (25000400-25000600)
- (14) STRUCTURAL EMBANKMENT (PER SECTION 205 OF THE STANDARD SPECIFICATION)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			DENSITY TEST METHOD	
ITEM	AC TYPE	VOIDS		
<b>PLANK ROAD - WIDENING</b>				
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N30 (IL 9.5 mm), 2"	PG 58-22	3% @ 30 GYR.	<b>CORES CORRELATION</b>	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6"	PG 58-22	4% @ 50 GYR.		
<b>LINDGREN/NATIONAL ROAD - FULL DEPTH PAVEMENT</b>				
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	PG 58-22	4% @ 50 GYR.		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4"	PG 58-22	4% @ 50 GYR.		
<b>SHOULDERS</b>				
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N30 (IL 9.5 mm), 2" (PLANK)	PG 58-22	3% @ 30 GYR.		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2" (LINDGREN)	PG 58-22	4% @ 50 GYR.		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6" (PLANK)	PG 58-22	4% @ 50 GYR.		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4" (LINDGREN)	PG 58-22	4% @ 50 GYR.		

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/SQ YD/IN.  
\* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

**PLANK ROAD  
STRUCTURAL PAVEMENT DESIGN**  
STRUCTURAL DESIGN TRAFFIC: Year 2030  
PV = 9850 SU = 150 MU = 75  
ROAD/STREET CLASSIFICATION: Class II  
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
P = 100 S = 100 M = 100  
TRAFFIC FACTOR: Actual TF = 0.48  
Minimum TF = 0.48  
PG GRADE: Binder = PG 58-22 Surface = PG 64-22  
SUBGRADE SUPPORT RATING: SSR = POOR

**LINDGREN ROAD  
STRUCTURAL PAVEMENT DESIGN**  
STRUCTURAL DESIGN TRAFFIC: Year 2030  
PV = 1920 SU = 60 MU = 20  
ROAD/STREET CLASSIFICATION: Class II  
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
P = 100 S = 100 M = 100  
TRAFFIC FACTOR: Actual TF = 0.12  
Minimum TF = 0.12  
PG GRADE: Binder = PG 58-22 Surface = PG 64-22  
SUBGRADE SUPPORT RATING: SSR = POOR

FILE NAME = P:\CBBEL WEST Projects\2009\09-0048 Lindgren Rd\Civil\Drawings\TYPICAL\_03.dgn



USER NAME = *USER*	DESIGNED - KMA	REVISED -
PLOT SCALE = N.T.S.	DRAWN - NDP	REVISED -
PLOT DATE = 10/28/2009	CHECKED - SBP	REVISED -
	DATE - 10/1/09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED  
TYPICAL SECTIONS**

SCALE: N.T.S.	SHEET NO. 8 OF 54 SHEETS	STA. TO STA.	F.A.U. RTE. 5369	SECTION 09-00068-00-PP	COUNTY DEKALB	TOTAL SHEETS 54	SHEET NO. 8
			FED. ROAD DIST. NO. 3 [ILLINOIS] FED. AID PROJECT				
			CONTRACT NO. 87406				