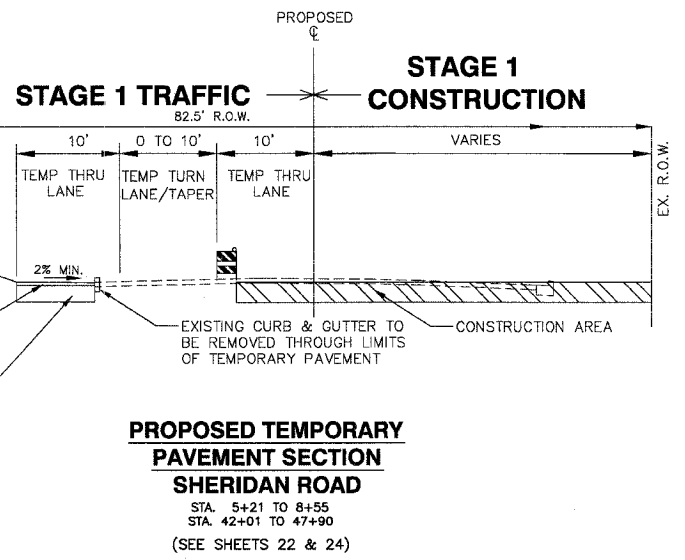


NOTE: POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) AND GEOTECHNICAL FABRIC FOR GROUND STABILIZATION QUANTITY HAS BEEN INCLUDED IN CONTRACT FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED OF REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. AFTER EXCAVATION TO ROUGH SUBGRADE ELEVATION, THE ENGINEER OR SOILS INSPECTOR SHOULD OBSERVE THE BEHAVIOR OF THE ENTIRE EXPOSED SUBGRADE UNDER THE TRAFFIC OF HEAVY, RUBBER-TIRED CONSTRUCTION EQUIPMENT SUCH AS MOTOR GRADERS OR FULLY-LOADED DUMPTRUCKS. WHEREVER THERE IS EXCESSIVE DEFLECTION OR RUTTING, THE SOIL SHALL BE TREATED IN ACCORDANCE WITH THE GUIDELINES IN THE SSM. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES AS DETERMINED BY THE GEOTECHNICAL ENGINEER. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR POROUS GRANULAR EMBANKMENT, SUBGRADE AND SHALL BE IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTION 207 OF THE STANDARDS SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

THE FOLLOWING IS A SUMMARY OF REMEDIAL TREATMENT AREAS:

LOCATION	TREATMENT DEPTH	TREATMENT WIDTH	TREATMENT AREA	PGES ESTIMATE
SHERIDAN ROAD STA. 13+25 TO 16+50	6"	Entire Pavement	2014 SY	332 CY
SHERIDAN ROAD STA. 34+75 TO 38+00	6"	Entire Pavement	1875 SY	309 CY
TOTAL				641 CY



STRUCTURAL DESIGN DATA

STREET	2018 STRUCTURAL DESIGN DATA			STREET CLASS	TRAFFIC FACTOR	SSR	TEMP	AC	EAC	REQUIRED B.B. THICKNESS
	PV	SJ	MU							
SHERIDAN ROAD	8434	671	479	II	2.11	POOR	76	10	550	11.5"

HMA MIX REQUIREMENTS CHART

PAY ITEM	A.C. TYPE	VOIDS	THICKNESS	USAGE
HOT MIX ASPHALT PAVEMENT (FULL DEPTH), 11 1/2"				
HOT MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5 mm)	PG 64-22	4% @ 70 GYR.	2"	MAINLINE PAVING
HOT MIX ASPHALT BINDER COURSE, IL-19, N70	* PG 64-22	4% @ 70 GYR.	9-1/2"	
TEMPORARY PAVEMENT				
HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5 mm)	PG 64-22	4% @ 50 GYR.	1-3/4"	TEMPORARY PAVING FOR TRAFFIC STAGING
TEMP PAVEMENT (HMA BINDER IL-19 mm)	* PG 64-22	4% @ 50 GYR.	9"	
CLASS D PATCHES, TYPE III, 12" (BINDER IL-19 mm)	* PG 64-22	4% @ 70 GYR.	12"	PAVEMENT PATCHING FOR UTILITY INSTALLATION

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 lbs/sq yd-in
* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG-58-22.

REVISIONS

NO.	ITEM	DATE

SCALE: NTS
DRAWN BY: WS
CHECKED BY: DBD
DATE: 1-16-06

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TYPICAL SECTIONS SHERIDAN ROAD IMPROVEMENTS
CITY OF WAUKEGAN JOB NUMBER: 02-28-03-231 LAKE COUNTY, ILLINOIS
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