



BITUMINOUS CONCRETE MIXTURE REQUIREMENTS

LOCATION	ALL	ALL
MIXTURE USE:	SURFACE	LEVELING BINDER
AC/PG	SBS PG 70-22	SBS PG 70-22
RAP % (MAX)	0%	0%
DESIGN AIR VOIDS	4.0% @ NDES = 90	4.0% @ NDES = 90
MIXTURE COMPOSITION (GRADATION)	IL 9.5	IL 9.5
FRICTION AGGREGATE	MIX D	MIX C

NOTE: IF AN ANTI-STRIPING ADDITIVE IS REQUIRED FOR ANY BITUMINOUS MIXTURE, THE COST OF THE ADDITIVE WILL NOT BE PAID FOR SEPARATELY AS DESCRIBED IN ARTICLE 406.24 OF THE STANDARD SPECIFICATIONS. IF THE CONTRACTOR ANTICIPATES THAT AN ADDITIVE WILL BE NEEDED, THE COST SHOULD BE INCLUDED IN THE UNIT BID PRICE.

- NOTES:**
1. THE LEVELING BINDER SHALL BE PLACED IN 2-1/2" MAXIMUM LIFTS.
 2. THE EXISTING EARTH SHALL BE UNDERCUT BELOW THE PROPOSED PAVEMENT TO THE DEPTH AND LOCATION SHOWN ON THE CROSS SECTIONS. AGGREGATE SUBGRADE, SPECIAL AND/OR SUBBASE GRANULAR MATERIAL SHALL TYPE B SHALL BE PLACED AND COMPACTED IN THE UNDERCUT AREAS. THE EARTH FROM THE UNDERCUT AREAS SHALL BE PLACED AS EMBANKMENT IN FILL AREAS BEHIND THE PROPOSED BACK OF CURBS. UNDERCUT WILL NOT BE ALLOWED AS FILL UNDER PAVEMENTS OR SIDEWALKS. EXCESS VOLUME OF UNDERCUT EXCAVATED WHICH IS NOT USED FOR EMBANKMENT AND IS WASTE AND IS DISPOSED OF OFF THE SITE WILL NOT BE PAID FOR SEPARATELY AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. EMBANKMENT WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE OTHER EARTHWORK ITEMS. SEE THE CROSS SECTIONS AND THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
 3. SEE PLAN AND PROFILE SHEETS FOR THE EXCATE LOCATIONS OF EDGES OF PAVEMENTS, CURB AND GUTTERS, SIDEWALKS AND RIGHT-OF-WAY LINES. SEE CROSS SECTIONS FOR EXACT SIDE SLOPE RATIOS.
 4. BITUMINOUS SURFACE REMOVAL 1" (TO REMOVE RUTTING)
STA. 408+68 TO STA. 424+73
STA. 438+19 TO STA. 444+33

BITUMINOUS SURFACE REMOVAL 1 1/2"
STA. 407+20 TO STA. 408+68
STA. 444+33 TO STA. 445+23

STRUCTURAL PAVEMENT DESIGN INFORMATION

PHILO ROAD - PAVEMENT WIDENING

STRUCTURAL DESIGN TRAFFIC: YEAR 2026

PV = 10040 SU = 207 MU = 103

ROAD/STREET CLASSIFICATION: CLASS II

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P = 50% S = 50% M = 50%

TRAFFIC FACTOR: TF = 0.72

SUBGRADE SUPPORT RATING: SSR = "POOR"

MINIMUM STRUCTURAL DESIGN REQUIREMENTS:

BIT. CONCRETE SURFACE COURSE = 1 1/2"

BIT. CONCRETE BINDER COURSE = 2"

CONCRETE BASE COURSE = 7 1/2"

GRANULAR SUBBASE = 4"

- LEGEND**
13. PROP. SUB-BASE, GRANULAR MATERIAL, TYPE B
 14. PROP. PAVEMENT REMOVAL (SPECIAL)
 15. PROP. AGGREGATE SUBGRADE SPECIAL
 16. PROP. PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 7 1/2"
 17. PROP. #6 x 30" TIEBAR ON 24" CENTERS
 18. PROP. BITUMINOUS MATERIALS, PRIME COAT
 19. PROP. POLYMERIZED LEVELING BINDER, SUPERPAVE N90 (MAXIMUM LIFT THICKNESS SHALL BE 2 1/2")
 20. PROP. POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N90
 21. PROP. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
 22. PROP. SODDING
 23. PROP. PCC SIDEWALK, 5"
 24. PROP. TOPSOIL PLACEMENT, 4"
 25. PROP. SEEDING AND MULCH
 26. PROP. STRIP REFLECTIVE CRACK CONTROL

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