

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

LOCATIONS:	FULL DEPTH PAVEMENT		MULTI-USE PATH	DRIVEWAYS	CLASS D PATCH	RESURFACING	BINDER UNDER CORRUGATED MEDIAN	TEMPORARY PAVEMENT	
MIXTURE USE(S):	HMA SURFACE, 2"	HMA BINDER, 9"	HMA SURFACE, 2"	HMA SURFACE, 4"	HMA SURFACE, 2"	HMA SURFACE, 2"	HMA BINDER, 2.5"	HMA SURFACE, 2"	HMA BINDER, 9"
BINDER GRADE (PG):	PG 76-22	PG 64-22	PG 64-22	PG 64-22	PG 76-22	PG 76-22	PG 64-22	PG 76-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N70	4.0% @ N70	4.0% @ N50	4.0% @ N50	4.0% @ N70	4.0% @ N70	4.0% @ N70	4.0% @ N70	4.0% @ N70
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL - 9.5	IL - 19.0	IL - 9.5	IL - 9.5	IL - 9.5	IL - 9.5	IL - 9.5	IL - 9.5	IL - 19.0
FRICTION AGGREGATE:	MIXTURE E		MIXTURE D	MIXTURE D	MIXTURE E	MIXTURE E		MIXTURE E	
MIXTURE WEIGHT:	112 LB / SY / IN	112 LB / SY / IN	112 LB / SY / IN	112 LB / SY / IN	112 LB / SY / IN	112 LB / SY / IN	112 LB / SY / IN	112 LB / SY / IN	112 LB / SY / IN
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DENSITY TEST METHOD:	CORES	CORES	SATISFACTION OF ENGINEER	SATISFACTION OF ENGINEER	SATISFACTION OF ENGINEER	SATISFACTION OF ENGINEER	SATISFACTION OF ENGINEER	CORES	CORES
MATERIAL TRANSFER DEVICE	YES	YES	NO	NO	NO	NO	NO	NO	NO

LEGEND

- 1 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 11" (40701901)
- 2 AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112) (SEE NOTE)
- 3 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (40604060)
- 4 AGGREGATE BASE COURSE, TYPE A 6" (35100500)
- 5 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
- 6 SUBBASE GRANULAR MATERIAL, TYPE C 4" (31102100)
- 7 PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED) SPECIAL (X4200501)
- 8 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (60605000)
- 9 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12 (60608300)
- 10 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- 11 CONCRETE MEDIAN SURFACE 4 INCH SPECIAL (X6061310)
- 12 AGGREGATE SUBGRADE IMPROVEMENT (CU YD) (30300001)
- 13 LONGITUDINAL JOINT SEALANT (40600370)
- 14 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)
- 15 CORRUGATED MEDIAN (60624600)
- 16 AGGREGATE SHOULDERS, TYPE B, 6" (48101500)
- 17 PIPE UNDERDRAIN, TYPE 3 (60108501)
- 18 TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- 19 CONCRETE MEDIAN, TYPE SB-6.24 (60620000)
- 20 HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70 (40602985)
- 21 CONCRETE MEDIAN SURFACE, CORRUGATED (60618390)
- 22 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70 (40604172)

NOTE: IN MEDIAN AREAS WITH LANDSCAPING, AGGREGATE SUBGRADE IMPROVEMENT 2 SHALL ONLY EXTEND 1' BEHIND CURB AS SHOWN ON THE TYPICALS.

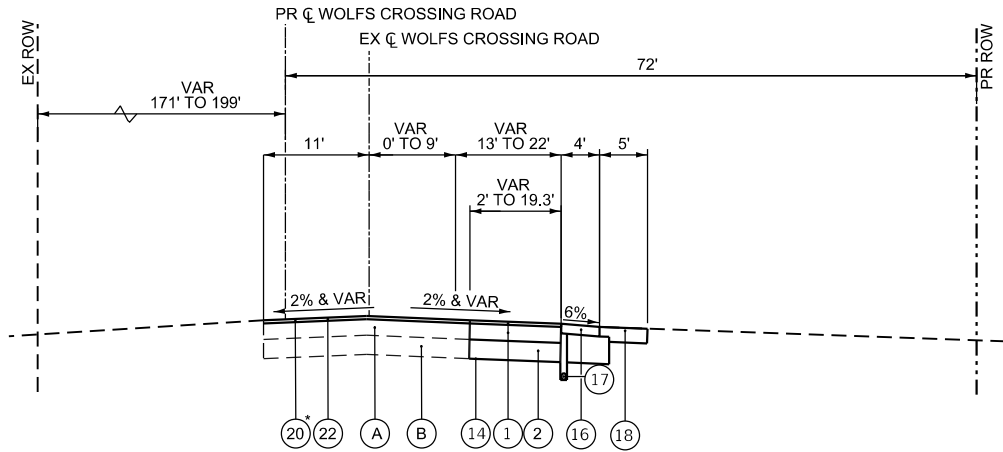
LONGITUDINAL JOINT SEALANT 13 SHALL BE PLACED BETWEEN BINDER AND SURFACE COURSE.

TOPSOIL EXCAVATION AND PLACEMENT 18 - 8" DEPTH FOR MEDIAN, SIDE SLOPES AND DITCHES AND 12" DEPTH FOR PONDS.

THE ADDITIONAL THICKNESS OF 2 UNDER SHOULDERS SHALL BE INCLUDED IN AGGREGATE SUBGRADE IMPROVEMENT, 12"

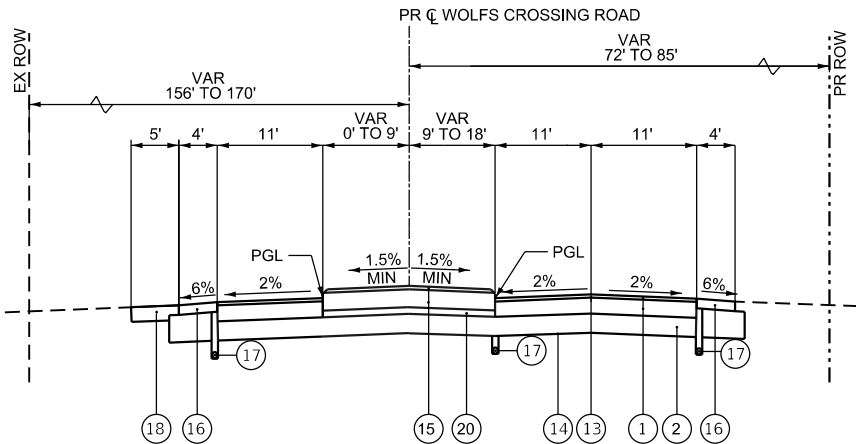
LEGEND

- A FULL DEPTH HOT-MIX ASPHALT PAVEMENT
- B GRANULAR SUBBASE, VARYING THICKNESS
- C COMBINATION CONCRETE CURB & GUTTER TYPE B-6.12
- D PCC SIDEWALK



*USE AS NEEDED FOR SLOPE CORRECTION

WOLFS CROSSING ROAD – WEST LEG
STA. 242+42.96 TO STA. 245+61.21



WOLFS CROSSING ROAD – WEST LEG
STA. 245+61.21 TO STA. 248+09.79

PAVEMENT DESIGN

STRUCTURAL DESIGN TRAFFIC (YEAR 2033)

PV = 15,212 (88%) SU = 1,037 (6%) MU = 1,037 (6%)

CLASS I ROAD
SUBGRADE = POOR
TRAFFIC FACTOR = 5.76

PAVEMENT STRUCTURE MATERIALS:
SURFACE COURSE: POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "E", N70, 2"
BINDER COURSE: HMA BINDER COURSE, IL-19.0, N70, 9"
SUBBASE: AGGREGATE SUBGRADE IMPROVEMENT 12"

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USER NAME = jmajewski	DESIGNED - S.MAGNUSON	REVISED - 09/04/2025
	DRAWN - S.MAGNUSON	REVISED - 09/08/2025
PLOT SCALE = \$SCALE\$	CHECKED - J.MAJEWSKI	REVISED -
PLOT DATE = 9/8/2025	DATE - 04/30/24	REVISED -



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

PROPOSED TYPICAL SECTIONS
WOLFS CROSSING RD

SCALE: N/A SHEET 2 OF 9 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	23
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				