

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

LOCATIONS:	FULL DEPTH PAVEMENT		MULTI-USE PATH	DRIVEWAYS		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 BINDER, 2.5"	HMA SURFACE, 2"	HMA BINDER, 9"
BINDER GRADE (PG):	PG 64-22	PG 64-22	PG 64-22	PG 64-22		PG 64-22	PG 64-22	PG 64-22	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
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 - 19.0
FRICTION AGGREGATE:	MIXTURE E		MIXTURE D	MIXTURE D		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
QUALITY MANAGEMENT PROGRAM:	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
DENSITY TEST METHOD:	CORES	CORES	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

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

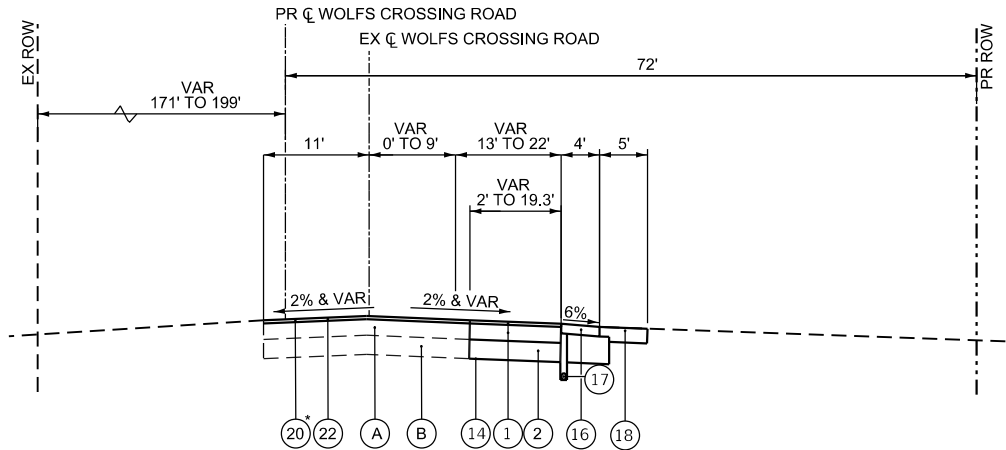
PAVEMENT DESIGN

STRUCTURAL DESIGN TRAFFIC (YEAR 2033)

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

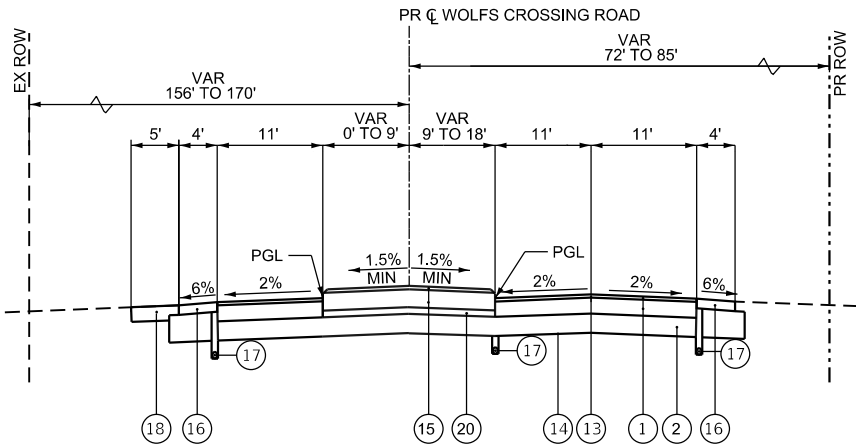
CLASS I ROAD
SUBGRADE = POOR
TRAFFIC FACTOR = 5.76

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



*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

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USER NAME = jmajewski	DESIGNED - S.MAGNUSON	REVISED - 09/04/2025
	DRAWN - S.MAGNUSON	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - J.MAJEWSKI	REVISED -
PLOT DATE = 9/4/2025	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				