

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						CMAQ 80% / LPA 20%		
						ROADWAY 0004 URBAN	SAFETY 0021 URBAN	TRAINEES 0042 URBAN
		28100107	STONE RIPRAP, CLASS A4	SQ YD	54	54		
		28200200	FILTER FABRIC	SQ YD	77	77		
	S	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	6,835	6,835		
		31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	523	523		
		31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1,133	1,133		
		35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	111	111		
		35501308	HOT-MIX ASPHALT BASE COURSE 6"	SQ YD	28	28		1
		35501316	HOT-MIX ASPHALT BASE COURSE WIDENING, 8"	SQ YD	3,373	3,373		
		40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	39,675	39,675		
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	79,351	79,351		
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	192	192		
		40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	2,553	2,553		1
		40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	16	16		
		40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	2,269	2,269		
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4,308		4,308	
		42400800	DETECTABLE WARNINGS	SQ FT	143	143		
		44000100	PAVEMENT REMOVAL	SQ YD	4,898	4,898		
		44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	14,774	14,774		

MODEL: D:\p1\180287\_OrchardRoadatRoute30\cadd\Civil\Drawings\180287-500.dgn  
 FILE NAME: 23\_01\_180287\_OrchardRoadatRoute30.dwg  
 USER: awueller

**WBK ENGINEERING, LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
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USER NAME = awueller	DESIGNED - CL	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:2	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 1/7/2022	DATE - 10/04/2021	REV. - 11/03/2021	REV. - 01/06/2022

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
 ORCHARD ROAD AT US ROUTE 30 INTERSECTION**

SCALE: NTS      SHEET 2 OF 5 SHEETS      STA.      TO STA.

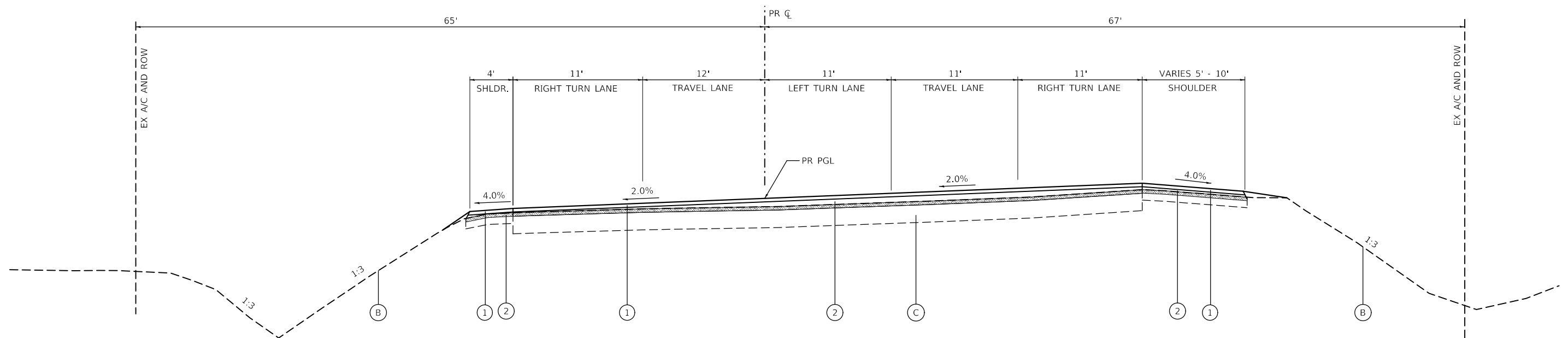
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	4
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
OPERATION	MIXTURE TYPE	AIR VOIDS @ NOTES	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING	POLYMERIZED HMA SURFACE COURSE, IL-9.5 MIX "E", N70, 2"	4% @70 GYR	LR 1030-2
	HMA BINDER COURSE, IL-19.0, N90, 2 1/4" - 8"	4% @90 GYR	LR 1030-2
PAVEMENT WIDENING	POLYMERIZED HMA SURFACE COURSE, IL-9.5 MIX "E", N70, 2"	4% @70 GYR	LR 1030-2
	HMA BINDER COURSE, IL-19.0, N90, 2 1/4"	4% @90 GYR	LR 1030-2
	HMA BASE COURSE WIDENING, 8" (HMA BINDER IL-19.0)	4% @70 GYR	LR 1030-2
SHOULDER RESURFACING	POLYMERIZED HMA SURFACE COURSE, IL-9.5 MIX "E", N70, 2"	4% @70 GYR	LR 1030-2
	HMA BINDER COURSE, IL-9.5, N90, 2 1/4"	4% @90 GYR	LR 1030-2
TEMPORARY PAVEMENT	HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 2"	4% @70 GYR	LR 1030-2
	HMA BINDER COURSE, IL-19.0, N70, 8"	4% @70 GYR	LR 1030-2
CLASS D PATCHES (OVER STORM SEWERS)	HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 2"	4% @70 GYR	LR 1030-2
	HMA BINDER COURSE, IL-19.0, N70, 8"	4% @70 GYR	LR 1030-2
HMA PATH	HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @50 GYR	LR 1030-2
PRIVATE DRIVEWAY	HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @50 GYR	LR 1030-2
	HMA BASE COURSE, 6" (HMA BINDER IL-19.0)	4% @50 GYR	LR 1030-2

QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA);  
QUALITY CONTROL FOR PERFORMANCE (QCP);  
PAY FOR PERFORMANCE (PPP)

### MIXTURE REQUIREMENT NOTES

- THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS / SQ YD / INCH.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.
- BRIDGE OMISSIONS STA. 1193+81.1 TO STA. 1195+10.70
- THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM 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 OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.
- PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
- BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.
- THE CLASS D PATCHES WILL BE PERFORMED DURING THE PRESTAGE. SEE THE DRAINAGE & UTILITIES PLANS FOR DETAILS.



### TYPICAL SECTION - U.S. ROUTE 30

STA 1198+25 TO STA 1199+25.00  
(LOOKING EAST)

#### LEGEND - EXISTING

- (A) EXISTING SIDEWALK
- (B) EXISTING GROUND
- (C) EXISTING HMA PAVEMENT
- (D) EXISTING GUARDRAIL
- (E) EXISTING CURB & GUTTER

#### LEGEND - REMOVALS

- HMA SURFACE REMOVAL, 2"
- PAVED SHOULDER REMOVAL
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- MEDIAN REMOVAL - INCLUDE THE COST OF REMOVING EX. CONC. MEDIAN SURFACE & THE ADJACENT COMB. C&G

#### LEGEND - PROPOSED

- CLASS D PATCHES, TYPE IV, 11"
- ① POLYMERIZED ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 2"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (RESURFACING - 2 1/4" - 8"; WIDENING - 2 1/4")
- ③ HOT-MIX ASPHALT BASE COURSE WIDENING, 8"
- ④ AGGREGATE SUBGRADE IMPROVEMENT 12"

- ⑤ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (NORMAL PITCHED GUTTER)
- ⑥ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (REVERSE PITCHED GUTTER)
- ⑦ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (SEE PLAN FOR LOCATION)
- ⑧ CONCRETE MEDIAN SURFACE, 4" SUBBASE GRANULAR MATERIAL, TYPE B
- ⑨ FURNISHED EXCAVATION
- ⑩ PORTLAND CEMENT CONCRETE SIDEWALK 5" SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- ⑪ HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2" HOT-MIX ASPHALT BASE COURSE, 6"
- ⑫ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS
- ⑬ TOPSOIL FURNISH & PLACE, 4"
- ⑭ CONCRETE MEDIAN (SPECIAL)
- ⑮ PIPE UNDERDRAINS, TYPE 2, 4"

MODEL: D:\p1\180287\_OrchardRoadatRoute30\cadd\Civil\Drawings\180287-TYP.dgn



USER NAME = awuellner	DESIGNED - KAC	REV. - 10/11/2021	REV. - 11/10/2021
	DRAWN - SS	REV. - 10/18/2021	REV. - 11/15/2021
PLOT SCALE = 1:10	CHECKED - YOO	REV. - 10/27/2021	REV. - 11/17/2021
PLOT DATE = 1/6/2022	DATE - 10/04/2021	REV. - 11/03/2021	REV. - 01/06/2022

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS  
ORCHARD ROAD AT US ROUTE 30 INTERSECTION

SCALE: NTS SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	17-00488-00-CH	KANE/KENDALL	170	20
CONTRACT NO. 61H49				
ILLINOIS FED. AID PROJECT 93511746				