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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

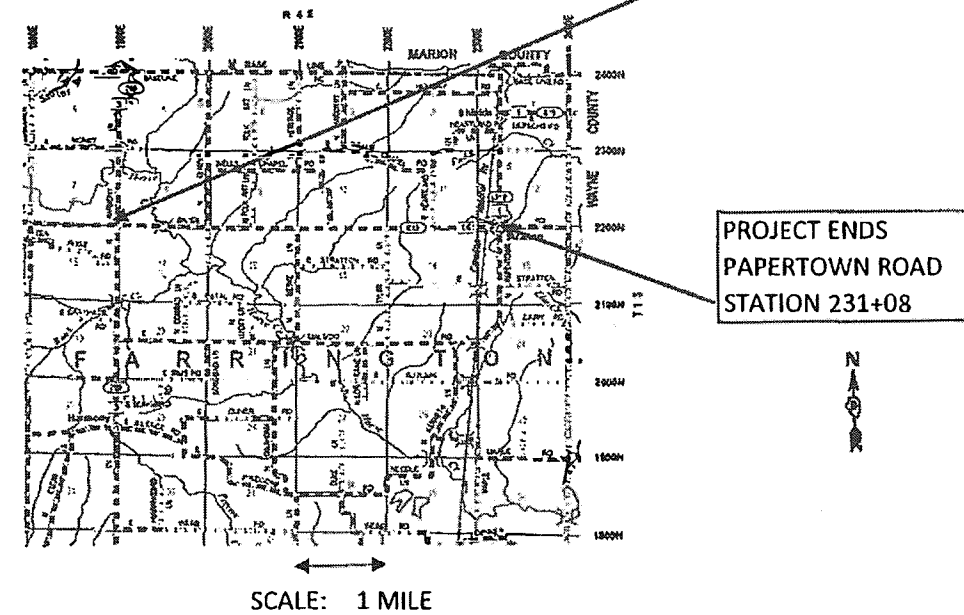
 PLANS FOR PROPOSED
 SURFACE TRANSPORTATION PROJECT
 CH 16 - DIVIDE ROAD
 SECTION 18-00221-00-PV
 JEFFERSON COUNTY
 ZA9X (037)
 C-99-027-19
 CONTRACT # 99668

ROUTE	SECTION	COUNTY	TOT. SHTS.	SHEET
CH 16	18-00221-00-PV	JEFFERSON	3	1



SUMMARY OF QUANTITIES			
	PAY ITEM	UNIT OF MEASURE	QUANTITY
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	100
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	24250
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, NS0	TON	3500
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", NS0	TON	4800
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	1600
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	24
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	312
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1350
67100100	MOBILIZATION	LSUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	9000
70300150	SHORT-TERM PAVEMENT MARKING REMOVAL	SQ FT	1500
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	68725
XX009289	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	LSUM	1
XX009291	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22	LSUM	1

△ SPECIALTY ITEMS
 CONTRACT # 99668



FUNCTIONAL CLASSIFICATION: LOCAL ROAD
 DESIGN SPEED = 55MPH



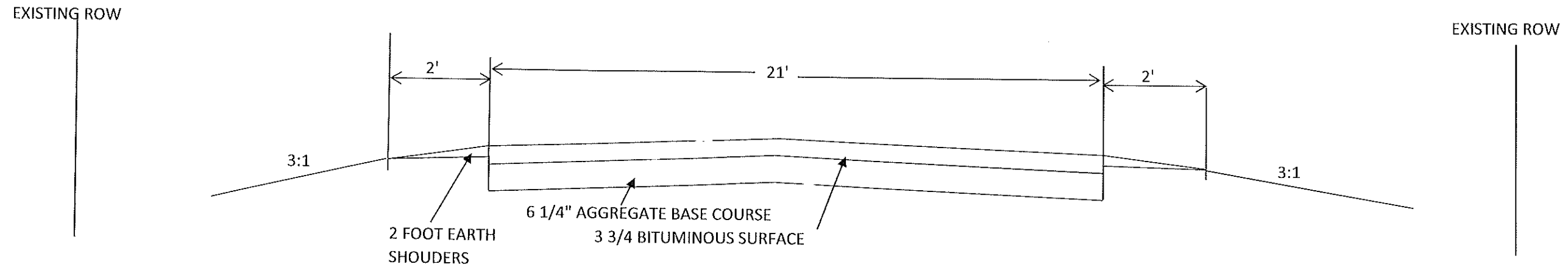
TOTAL SECTION LENGTH = 23,108' = 4.3765 MILES

APPROVED	5-14	20 21
 COUNTY ENGINEER JEFFERSON COUNTY HIGHWAY DEPARTMENT 750 OLD FAIRFIELD ROAD MT. VERNON, IL 62864 PH: (618) 244-8031 LICENCE EXP. 11-30-2021		
APPROVED	5-19	20 21
 DISTRICT 9 ENGINEER OF LOCAL ROADS AND STREETS RELEASING FOR BID BASED OF LIMITED REVIEW 5-19 20 21 KEITH ROBERTS, P.E. ACTING DEPUTY DIRECTOR OF HIGHWAYS REGION 5 ENGINEER STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		

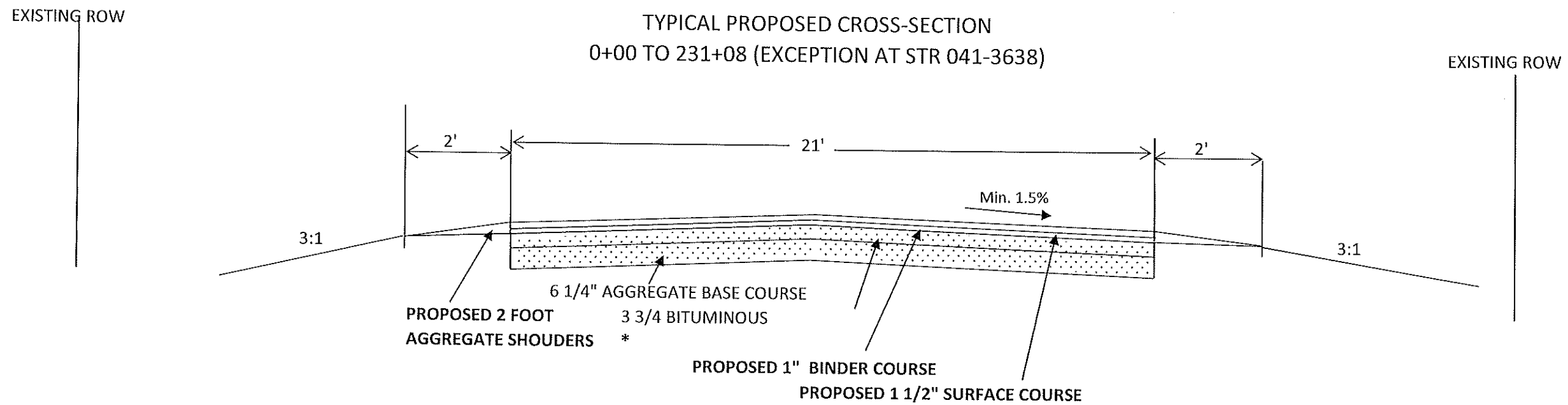
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ROUTE	SECTION	COUNTY	TOT. SHTS.	SHEET
CH 16	18-00221-00-PV	JEFFERSON	3	2

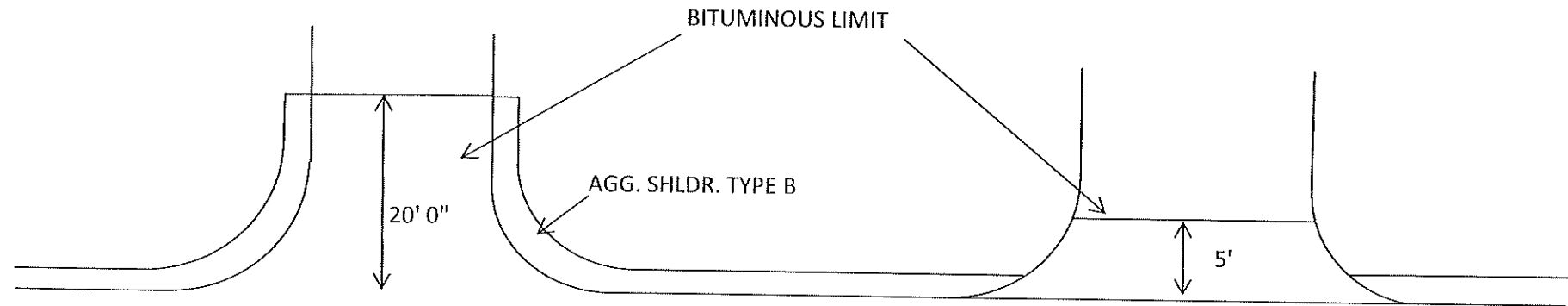
TYPICAL EXISTING CROSS-SECTION
0+00 to 231+08



TYPICAL PROPOSED CROSS-SECTION
0+00 TO 231+08 (EXCEPTION AT STR 041-3638)

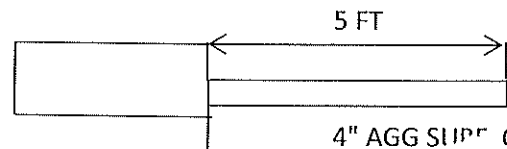
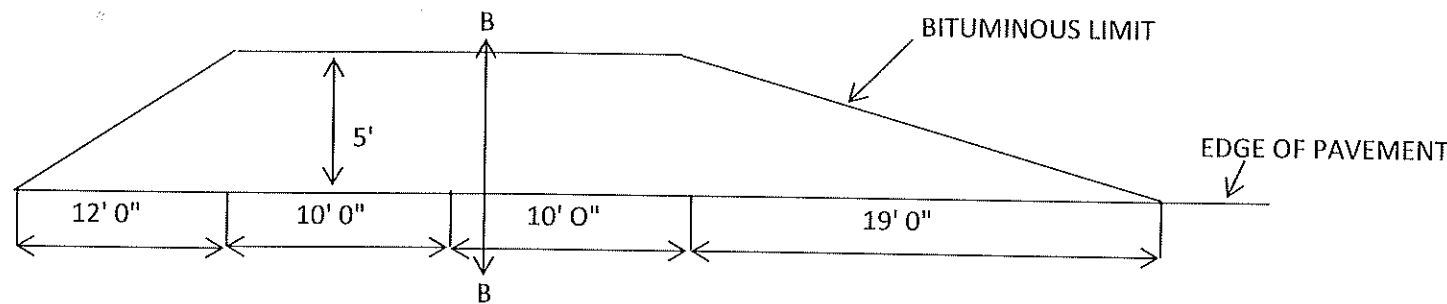


* Additional quantity included for drop-off



DETAIL OF SIDE ROAD INTERSECTION (7 EACH)
25 TONS HMA EACH INCLUDED IN PROPOSAL

DETAIL OF PRIVATE ENTRANCE (20 EACH)
5 TONS HMA EACH INCLUDED IN PROPOSAL



4" AGG SURF CSE TYPE B
5 TONS AGGREGATE EACH IN THE PROPOSAL

DETAIL OF MAILBOX TURNOUT (10 EACH)

ROUTE	SECTION	COUNTY	TOT. SHTS.	SHEET
CH 16	18-00221-00-PV	JEFFERSON	3	3

GENERAL NOTES

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016", "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED APRIL 1, 2019", THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS

THE LOCATION OF ALL UTILITIES SHALL BE DETERMINED BY THE CONTRACTOR

THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THE PROJECT

THE FOLLOWING RATES HAVE BEEN USED IN CALCULATING PLAN QUANTITIES

AGGREGATE SURFACE COURSE, TYPE A	2.00 TON/CU YD
STONE DUMPED RIPRAP, CLASS A4	2.00 TON/CU YD
HOT-MIX ASPHALT	115 LB/SY/IN
TACK COAT	0.05 LB / SF

PATCHING SCHEDULE					
DIRECTION	BEGIN	END	WIDTH	SY	TYPE
EBL	1+67	1+96	11	35.4	4
EBL	6+84	7+45	6	40.7	4
WBL	31+40	31+97	6	38	4
WBL	68+54	68+94	6	26.7	4
EBL	106+54	106+26	6	48	4
WBL	137+57	137+93	6	24	3
EBL	141+38	142+08	6	46.7	4
WBL	209+00	209+60	6	40	4
EBL	221+00	221+56	6	37.3	4
TOTALS					
TYPE 3				24	
TYPE 4				312.8	

STRUCTURAL DESIGN TRAFFIC		YEAR 2021	
PV = 264	SU = 27	MU = 9	
CLASSIFICATION: MAJOR COLLECTOR			
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE			
P = 88	S = 9	M = 3	
TRAFFIC FACTOR	TF = 0.057		
PG GRADE	BINDER =	64-22	
	SURFACE =	64-22	
IBR = 3			

STRIPING SCHEDULE					
NPZ	BEGIN	END	NPZ	BEGIN	END
WB	0+00	5+08	EB	7+96	30+65
WB	16+06	30+65	EB	41+54	50+60
WB	50+60	62+65	EB	60+35	68+00
WB	68+94	78+20	EB	94+70	105+60
WB	87+75	97+76	EB	112+60	122+00
WB	103+85	111+55	EB	195+57	231+08
WB	122+50	131+49			
WB	214+69	231+08			

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ NDES
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	4.0% @ 50 GYR.
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 50 GYR.