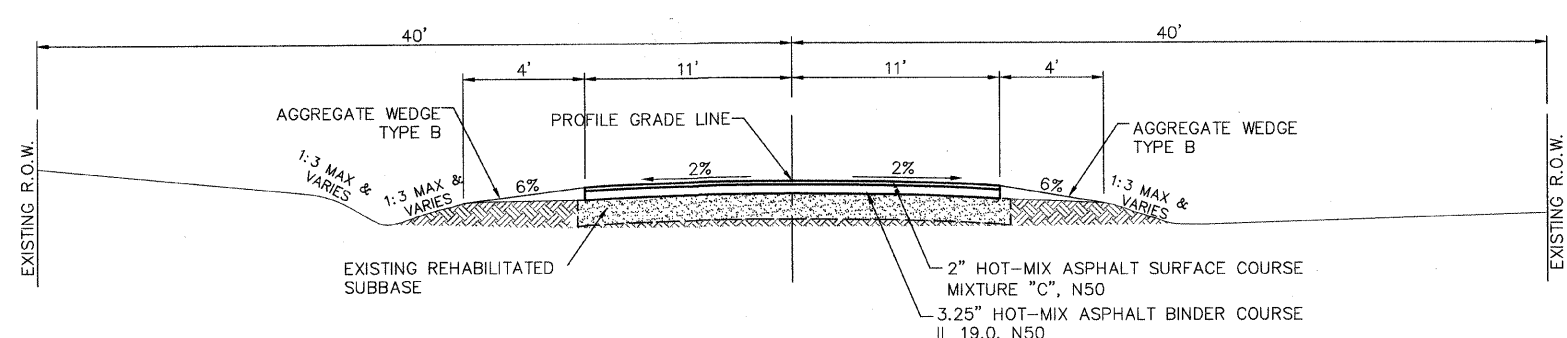
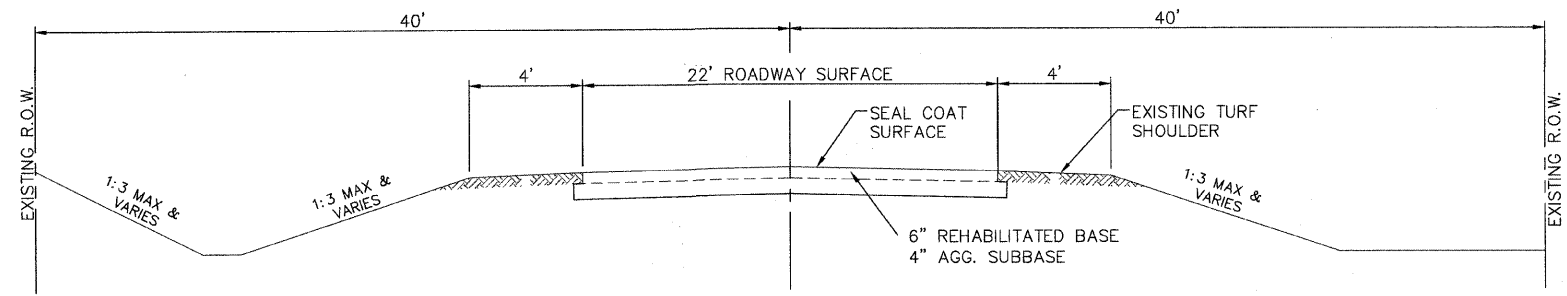


# SUMMARY OF QUANTITIES

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
206	04-00094-02-RS	MERCER	18	2
STA. 5+56 TO STA. 121+40.01				
FED. ROAD DIST. NO. 7		ILLINOIS		

CODE NUMBER	PAY ITEMS	UNIT	TOTAL QUANTITY
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	378
35800200	AGGREGATE BASE REPAIR	TON	50
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	151
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	13,518
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	100
40600990	TEMPORARY RAMP	SQ YD	150
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	5,242
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	3,622
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	530
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	3,562
67100100	MOBILIZATION	L. SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	2,317
Δ 78001110	PAINT PAVEMENT MARKING LINE 4"	FOOT	45,194
*X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L. SUM	1
Z0034105	MATERIAL TRANSFER DEVICE	TON	8,863



## GENERAL NOTES

- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.  

GRANULAR MATERIALS	2.05 TONS/C.Y.
BITUMINOUS MATERIALS (PRIME COAT)	0.4 GALLONS/S.Y. (ON GRANULAR BASE); 0.05 GALLONS/S.Y. (ON HMA)
HMA SURFACING	112 LBS/S.Y./INCH
- TRAFFIC CONTROL IS OUTLINED IN THE SPECIAL PROVISION TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
- ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.
- CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE HOT-MIX ASPHALT SURFACE. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCES, TURN LANES, ETC. WILL BE ALLOWED.
- FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE WASTE AREAS AND/OR DISPOSAL SITE(S) OUTSIDE THE RIGHT-OF-WAY AND EASEMENTS, FOR EXCESS OR UNSUITABLE MATERIAL, WHICH IS NOT DESIRABLE TO BE INCORPORATED INTO THE WORK INVOLVED ON THIS PROJECT, AND TO PROVIDE BORROW AREAS/USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) FOR THE PROSECUTION OF THE WORK. ANY SUCH BORROW, USE, AND/OR WASTE AREAS SHALL BE REQUIRED TO HAVE AN ENVIRONMENTAL REVIEW IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO ITEMS NOT SPECIFIED FOR REMOVAL, RECONSTRUCTION, OR DEMOLITION. AREAS OUTSIDE THE PROJECT SCOPE OR CONSTRUCTION LIMITS DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR, PER THE APPROVAL OF THE ENGINEER. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK.
- EXCAVATION OF EXISTING GRAVEL OR SEAL COAT AGGREGATE SURFACES SHALL BE CONSIDERED EARTH EXCAVATION, AND WILL NOT BE PAID FOR SEPARATELY.
- EXCAVATION AND SUB-BASE PREPARATION AT BUTT JOINTS SHALL NOT BE CONSTRUCTED MORE THAN THREE (3) DAYS PRIOR TO PLACEMENT OF THE HMA SURFACE.

## GENERAL NOTES (CONT.)

- THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT

MIXTURE USE(S)	SURFACE COURSE/ INCIDENTAL SURFACE	BINDER COURSE	LEVEL BINDER
RAP% (MAX):	15	25	25
AC/PG:	PG 58-28	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0 @ N50	4.0 @ N50	4.0 @ N50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5 OR IL 12.5	IL 19.0	IL 9.5
FRICTION AGGREGATE	MIXTURE C	N/A	N/A

NOTES: INDIVIDUAL LIFT THICKNESS OF EACH MIX TYPE WILL BE NO LESS THAN 3 TIMES NOMINAL MAXIMUM AGGREGATE SIZE AND NO MORE THAN 6 TIMES NOMINAL MAXIMUM AGGREGATE SIZE.

- CONTRACTOR SHALL REMOVE ALL LOOSE MATERIAL AND DEBRIS FROM THE ROADBED BY USE OF A MECHANICAL SWEEPER OR HAND BROOMS TO THE SATISFACTION OF THE ENGINEER PRIOR TO PRIME COAT APPLICATION. THIS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE VARIOUS HMA PAY ITEMS.

<b>STRUCTURAL DESIGN TRAFFIC: YEAR 2019</b>		
PV = 1,056	SU = 84	MU = 60
<b>ROAD / STREET CLASSIFICATION: Class III</b>		
<b>PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:</b>		
P = 88	S = 7	M = 5
<b>TRAFFIC FACTOR: Actual TF = 0.21 AC Type = 64-22</b>		
<b>PG GRADE: Binder = 64-22</b>	<b>Surface = 58-28</b>	
<b>SUBGRADE SUPPORT RATING:</b>		
SSR = > 3		

## GENERAL NOTES AND SUMMARY OF QUANTITIES

SECTION 04-00094-02-RS  
 F.A.S. RTE. 206, STA. 5+56 TO 121+40.01  
 RICHLAND GROVE TOWNSHIP  
 MERCER COUNTY