

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	QUANTITY
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	174
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	6,869
40600300	AGGREGATE (PRIME COAT)	TON	64
* 40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	1457
40600895	CONSTRUCTING TEST STRIP	EACH	1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	518
40600990	TEMPORARY RAMP	SQ YD	91
* 40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	2,978
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1,363
* 60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	9
60107600	PIPE UNDERDRAINS 4"	FOOT	4,230
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	72
67100100	MOBILIZATION	L SUM	1
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
* 70300100	SHORT-TERM PAVEMENT MARKING	FOOT	3,893
XX006855	COLD IN-PLACE RECYCLING 4"	SQ YD	31,612
XX008526	ENGINEERED ASPHALT EMULSION	GAL	50,400

* SEE SPECIAL PROVISIONS

CONSTRUCTION TYPE CODE: (1000) 0004

GENERAL NOTES

- THE NOMINAL THICKNESS FOR BASE AND SURFACE COURSES ARE SHOWN ON THE TYPICAL SECTIONS, STANDARDS, SCHEDULES, OR SPECIAL DETAILS. THE CONSTRUCTED THICKNESS OF THE ABOVE ITEMS SHALL NOT BE LESS THAN 90 PERCENT OF THE NOMINAL THICKNESS AT ANY LOCATION.
- THE THICKNESS OF BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AN AUTHORIZED SURVEYOR OR AGENT, HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- SHORT-TERM PAVEMENT MARKING SHALL BE SUPPLIED BY THE CONTRACTOR AND SHALL CONFORM TO THE SPECIFICATIONS OF SECTION 703. THE TEMPORARY PAVEMENT MARKING AND THE PERMANENT PAVEMENT MARKING SHALL BE DONE BY OTHERS AS SOON AS POSSIBLE AFTER COMPLETION OF THIS PROJECT. COUNTY WILL BE RESPONSIBLE FOR WORK ZONE PAVEMENT MARKING REMOVAL.
- THE NOTED APPLICATION RATES ARE FOR QUANTITY CALCULATIONS ONLY. THE APPLICATION RATE TO BE APPLIED WILL BE DETERMINED BY THE ENGINEER AT THE TIME OF PLACEMENT.
- ALL EXISTING ROAD SIGNS THAT CONFLICT WITH THE PROPOSED WORK ZONE TRAFFIC CONTROL MEASURES SHALL BE REMOVED OR COVERED AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS PART OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL UTILITIES AND CARRY OUT HIS OR HER OPERATIONS ACCORDINGLY. ADJUSTMENTS OF UTILITY LOCATIONS SHALL BE MADE BY THE OWNER, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ANY UTILITY ADJUSTMENTS OR REMOVAL HAS BEEN COMPLETED PRIOR TO THE BEGINNING OF CONSTRUCTION.
- TRANSITION AT BEGINNING AND END OF IMPROVEMENT, AT SIDE ROADS, AND AT EACH BRIDGE 2'-1/4" IN 50', OR AS DIRECTED BY THE ENGINEER (SEE BUTT - JOINT DETAIL).
- ALL PLAN ELEVATIONS REPRESENT AN ASSUMED DATUM.
- THE CONTRACTOR SHALL KEEP ONE TRAFFIC LANE OPENED AT ALL TIMES. NO OVERNIGHT LANE CLOSURE SHALL BE PERMITTED.

APPLICATION RATES USED IN QUANTITY CALCULATIONS

AGGREGATE SURFACE CSE, TYPE B	2.05 TON / CU. YD.
AGGREGATE SHOULDERS, TYPE B	2.05 TON / CU. YD.
AGGREGATE (PRIME COAT)	2 LBS. / SQ. YD.
BITUMINOUS MATERIALS (PRIME COAT)	0.10 GAL. / SQ. YD.
HOT MIX ASPHALT (SURFACE)	112 LBS. / SQ. YD. / IN.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

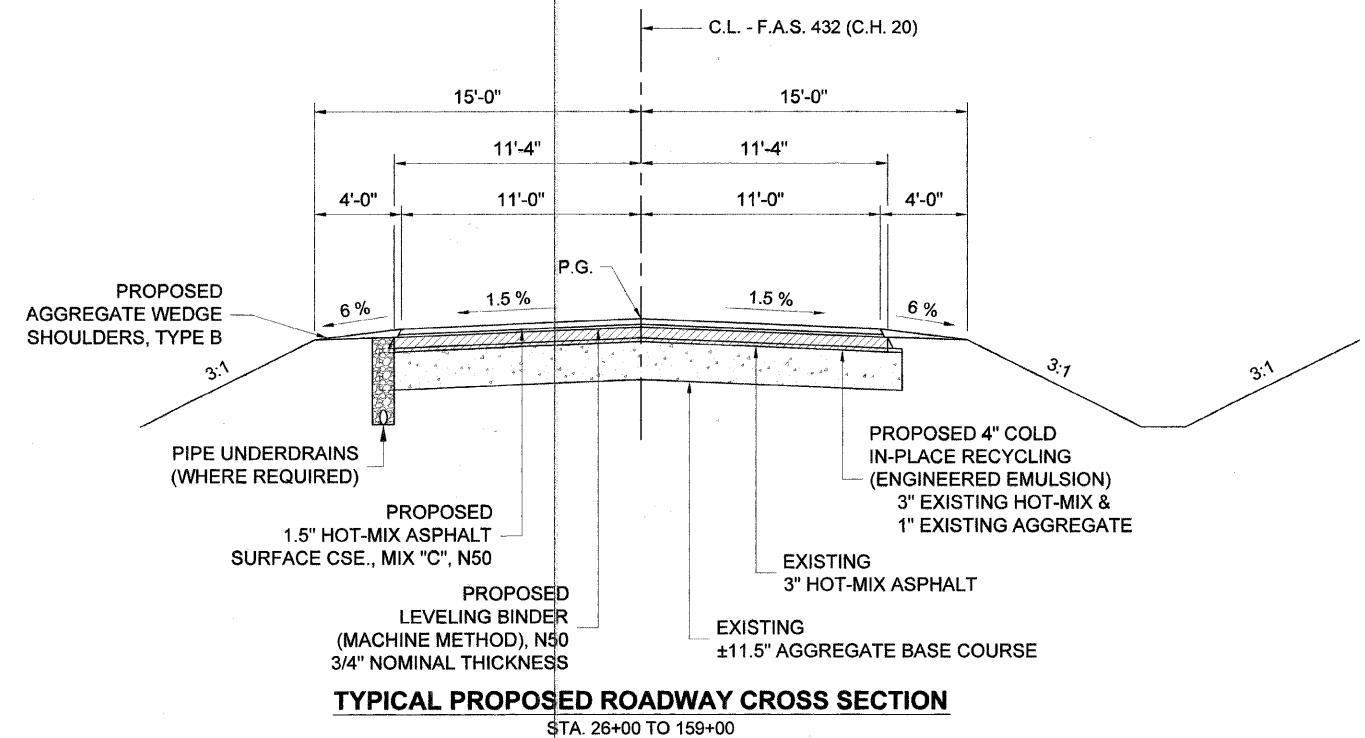
ITEM	AGGREGATE COMPOSITION	ASPHALT GRADE	VOIDS
LEVELING BINDER (MACHINE METHOD), N50	IL 9.5 or 12.5	PG 64-22	4.0% @ N50
HOT-MIX ASPHALT SURFACE COURSE	IL 9.5 or 12.5 Mix "C"	PG 64-22	4.0% @ N50

NOTE: AGGREGATE WEDGE SHOULDERS CALCULATED AT 2" THICK.

ROAD QUANTITIES

LOCATION	AGG SURF CSE B TON	BIT MATLS PR CT GALLON	AGG PR COAT TON	LEV BIND MM N50 TON	HMA SC "C" N50 TON	AGG WEDGE SHLD TYPE B TON	HMA SURF REM BUTT JT SY	TEMP RAMP SY	COLD IN-PLACE RECYC 4" SY	ENGINEER ASPHALT EMULSION GAL
ROADWAY STA. 26+00 TO STA. 159+00		6,459	64	1,358	2,731	1,363			31,612	50,400
7 HMA BUTT - JOINT TRANSITIONS		126		21	77		518	91		
36 ENTRANCES	144	72		36	72					
7 MAILBOX TURNOUTS		14			14					
6 SIDE ROADS	30	198		42	84					
TOTALS	174	6,869	64	1,457	2,978	1,363	518	91	31,612	50,400

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 432 C.H. 20	07-00057-02-RS	HANCOCK	8	2
FHWA REG. NO. 4		ILLINOIS	AUGUSTA ROAD	
CONTRACT NO: 93548				



SUMMARY OF QUANTITIES, GENERAL NOTES, & TYPICAL CROSS SECTION

SECTION 07-00057-02-RS
F.A.S. 432 (C.H. 20)
HANCOCK COUNTY