

SUMMARY OF QUANTITIES

ITEM	UNIT	QUANTITY
20100500	TREE REMOVAL, ACRES	0.75
20200100	EARTH EXCAVATION	531
20300100	CHANNEL EXCAVATION	408
20400800	FURNISHED EXCAVATION	6018
25000200	SEEDING, CLASS 2	0.8
25000400	NITROGEN FERTILIZER NUTRIENT	72
25000500	PHOSPHORUS FERTILIZER NUTRIENT	72
25000600	POTASSIUM FERTILIZER NUTRIENT	72
25100115	MULCH, METHOD 2	1.6
28000200	EARTH EXCAVATION FOR EROSION CONTROL	1
28000250	TEMPORARY EROSION CONTROL SEEDING	80
28000315	AGGREGATE DITCH CHECKS	2
28000400	PERIMETER EROSION BARRIER	2333
28100107	STONE RIPRAP, CLASS A4	480
28200200	FILTER FABRIC	46
30200650	PROCESSING MODIFIED SOIL, 12"	2729
30201700	PORTLAND CEMENT	116
40600100	BITUMINOUS MATERIALS (PRIME COAT)	355
40603080	HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50	865
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	281
48101200	AGGREGATE SHOULDERS, TYPE B	227
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	1828
50100100	REMOVAL OF EXISTING STRUCTURES	1
50104650	SLOPE WALL REMOVAL	561
50200100	STRUCTURE EXCAVATION	103.5
50300225	CONCRETE STRUCTURES	199.6
50300255	CONCRETE SUPERSTRUCTURE	34.6
50300260	BRIDGE DECK GROOVING	728
50300280	CONCRETE ENCASEMENT	12.0
50300300	PROTECTIVE COAT	984
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	7140
50800205	REINFORCEMENT BARS, EPOXY COATED	32120
50901750	PARAPET RAILING	149
51201400	FURNISHING STEEL PILES HP10X42	368
51201610	FURNISHING STEEL PILES HP12X63	655
51202305	DRIVING PILES	1023
51203400	TEST PILE STEEL HP10X42	1
51203610	TEST PILE STEEL HP12X63	1
51500100	NAME PLATES	1
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	2234
59300100	CONTROLLED LOW-STRENGTH MATERIAL	196.5
60600605	CONCRETE CURB, TYPE B	60
63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	2
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	2
63100167	TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL) TANGENT	4
67100100	MOBILIZATION	1
78201000	TERMINAL MARKER - DIRECT APPLIED	4
X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	1
X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 2	1
X5030305	CONCRETE WEARING SURFACE, 5"	794
X5091725	BICYCLE RAILING, SPECIAL	169

SEE SPECIAL PROVISIONS
 Δ SPECIALTY ITEMS

GENERAL NOTES

REMOVAL OF EXISTING PAVEMENT MATERIAL SHALL BE INCLUDED IN EARTH EXCAVATION.
 THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT-OF-WAY AS DIRECTED BY THE ENGINEER.
 ALL TREES WITHIN THE RIGHT-OF-WAY THAT INTERFERE WITH CONSTRUCTION SHALL BE REMOVED ONLY AT THE DIRECTION OF THE ENGINEER.
 WHERE MAILBOX RELOCATIONS ARE REQUIRED, ALL LABOR AND MATERIALS SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
 LAYOUT OF EROSION CONTROL ITEMS MAY BE VARIED IN THE FIELD TO SUIT GROUND CONDITIONS AS DIRECTED BY THE ENGINEER.
 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITY FACILITIES. HE SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR THEIR MARKING OF THE EXACT LOCATION.

APPLICATION RATES

GRANULAR MATERIALS	2.05	TONS/CU. YD.
STONE RIPRAP	1.50	TONS/CU. YD.
BITUMINOUS MATERIALS PRIME COAT	0.10	GALS./S.Y. (ON SOIL, PRIOR TO BINDER)
BITUMINOUS MATERIALS PRIME COAT	0.03	GALS./S.Y. (ON BINDER, PRIOR TO SURFACE)
HOT-MIX ASPHALT	112	LBS./S.Y./INCH THICKNESS
FERTILIZER NUTRIENTS	90	LBS./ACRE
MULCH METHOD 2	2	TONS/ACRE
PORTLAND CEMENT	85	LBS./S.Y.

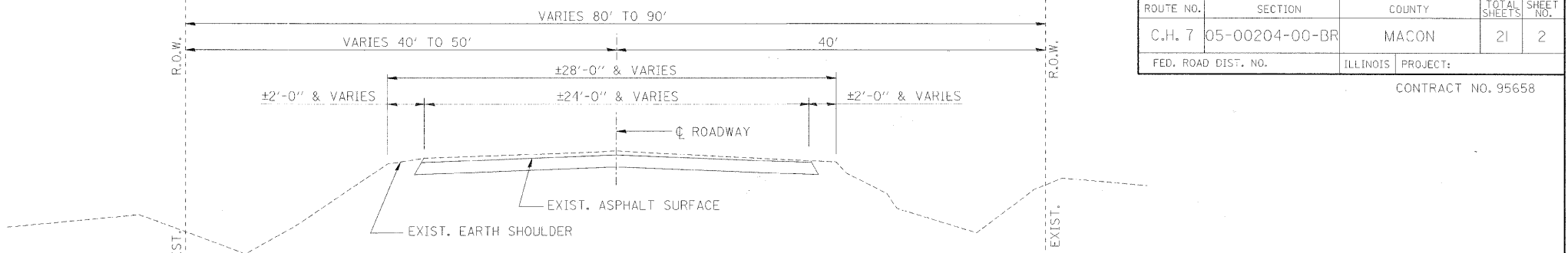
BITUMINOUS MIXTURE REQUIREMENTS

LOCATION	CH 7	CH 7
MIX USE	BINDER	SURFACE
AC/PG	PG 64-22	PG 64-22
RAP %	***	***
DESIGN VOIDS	4.0 @ N=70	4.0 @ N=70
MIXTURE COMPOSITION (GRAD. MIXTURE)	IL-19.0	IL-9.5
FRICTION	N/A	MIX C

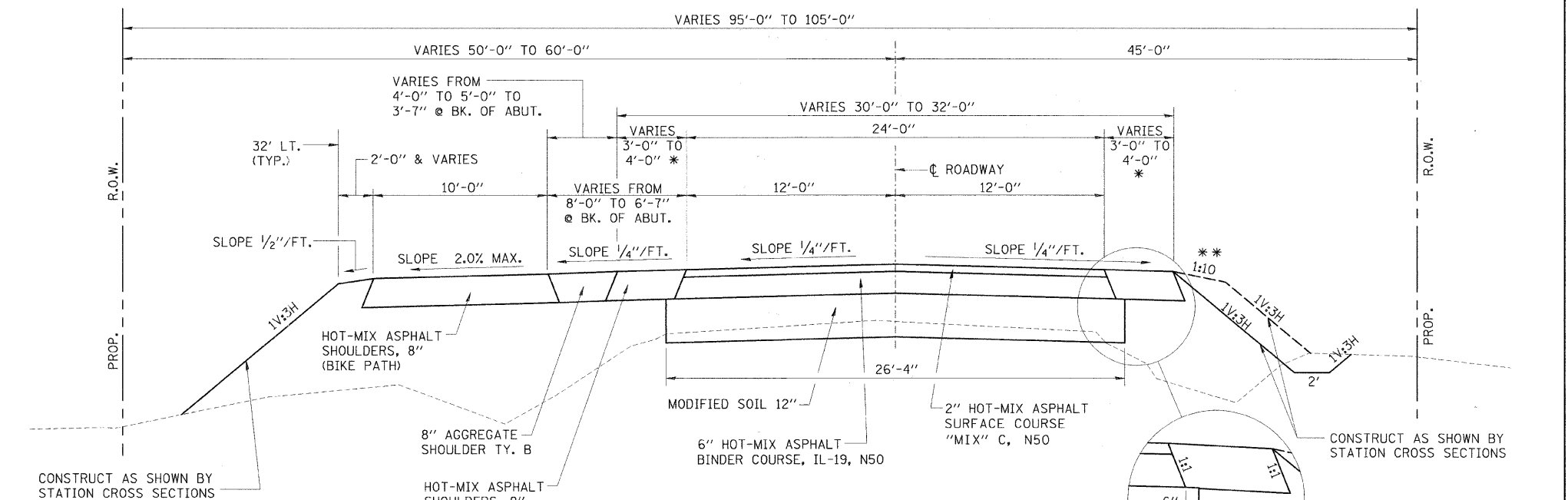
*** TO BE DETERMINED BY CONTRACTOR (SEE SPECIAL PROVISION)

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 7	05-00204-00-BR	MACON	21	2

FED. ROAD DIST. NO. ILLINOIS PROJECT: CONTRACT NO. 95658



EXISTING TYPICAL CROSS SECTION - C.H. 7



PROPOSED TYPICAL CROSS SECTION - C.H. 7

STA. 12+83.78 TO STA. 16+24.54
 STA. 17+75.46 TO STA. 22+67.15
 (TRANSITION TO MATCH EXISTING ROADWAY)
 STA. 12+33.78 TO STA. 12+83.78
 STA. 22+67.15 TO STA. 23+17.15

* 3'-0" PAVED SHOULDER WIDTH: RT. STA. 15+04.40 TO RT. STA. 16+24.54
 RT. STA. 17+75.46 TO RT. STA. 18+67.13
 LT. STA. 15+32.87 TO LT. STA. 16+24.54
 LT. STA. 17+75.46 TO LT. STA. 18+95.60

* 4'-0" PAVED SHOULDER WIDTH: RT. STA. 12+33.78 TO RT. STA. 15+04.40
 RT. STA. 18+67.13 TO RT. STA. 23+17.15
 LT. STA. 12+33.78 TO LT. STA. 15+26.87
 LT. STA. 19+01.60 TO LT. STA. 23+17.15

(6:1 SHOULDER TAPER LT. STA. 15+26.87 TO LT. STA. 15+32.87 & LT. STA. 18+95.60 TO LT. STA. 19+01.60
 SHOULDER OFFSET CHANGE ONLY RT. STA. 15+04.40 AND RT. STA. 18+67.13)

** SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS, CONSTRUCT IN ACCORDANCE WITH STD. 630301. SEE SHEET 4 OF 20 FOR INFORMATION. RT. SIDE ONLY.

ROADWAY QUANTITY SCHEDULE

LOCATION	PROCESS MOD SOIL 12 (SQ YD)	PORTLAND CEMENT (TON)	BITUMINOUS MATERIALS (PRIME COAT) (GAL)	HMA BC IL-19.0 N50 (TON)	HMA SC "C" N50 (TON)	HMA SHOULDERS 8 (SQ YD)	AGGREGATE SHLDS B (TON)
M.L. STA. 12+33.78 TO STA. 16+24.54	1144	48.6	149	363	118	313	67
M.L. STA. 17+75.46 TO STA. 23+17.15	1585	67.3	206	502	163	458	97
BIKE PATH (SOUTH OF BRIDGE)						407	
BIKE PATH (NORTH OF BRIDGE)						602	
PARK ENTRANCE						48	63
TOTALS	2729	116	355	865	281	1828	227

SUM. OF QTY'S, GEN. NOTES & TYP. SECTIONS

Designed DCS	C.H. 7 (BALTIMORE AVE.) OVER BIG CREEK SECTION 05-00204-00-BR MACON COUNTY STA. 17+00.00 PROP. STR. NO. 058-6024
Drawn BKN	
Checked KWB	
Approved KWB	

Prepared by: **URS** 345 East Ash Avenue Decatur, IL 62526 URS Job No. 36431685