

SUMMARY OF QUANTITIES

		CONSTRUCTION CODE X020-2A	
CODE NO	ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	190
20300100	CHANNEL EXCAVATION	CU YD	100
20400800	FURNISHED EXCAVATION	CU YD	350
> 20700110	POROUS GRANULAR EMBANKMENT	TON	70
> 25001000	SEEDING CLASS 2, SPECIAL	ACRE	0.3
28000300	TEMPORARY DITCH CHECKS	EACH	4
> 28000400	PERIMETER EROSION BARRIER	FOOT	400
28101700	RIPRAP, SPECIAL	TON	470
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	25
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	60
42001165	BRIDGE APPROACH PAVEMENT	SQ YD	227
> 44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	257
44000100	PAVEMENT REMOVAL	SQ YD	182
> 48101200	AGGREGATE SHOULDERS, TYPE B	TON	250
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
> 50104650	CONCRETE SLOPEWALL REMOVAL	SQ YD	150
50300225	CONCRETE STRUCTURES	CU YD	25.1
50300255	CONCRETE SUPERSTRUCTURE	CU YD	156.8
50300260	BRIDGE DECK GROOVING	SQ YD	329
50300300	PROTECTIVE COAT	SQ YD	602
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	40,540
50901005	STEEL BRIDGE RAIL, TYPE SM	FOOT	191
51201400	FURNISHING STEEL PILES HP10X42	FOOT	765
51202700	DRIVING STEEL PILES	FOOT	765
51203400	TEST PILE STEEL HP10X42	EACH	2
51204315	CONCRETE ENCASEMENT	CU YD	15.4
51500100	NAME PLATES	EACH	1
54215571	METAL END SECTIONS, 36"	EACH	2
54200241	PIPE CULVERTS, CLASS D, TYPE 1 36" (C.S.C.P.)	FOOT	32
63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	225
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)	EACH	4
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	900
78200405	GUARDRAIL MARKERS	EACH	12
> X4066524	POLYMERIZED BIT. CONC. SURFACE CSE, SUPERPAVE MIX D, N50	TON	51
> X4066614	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50	TON	34
> XX005543	STEEL PLATE BEAM GUARDRAIL REMOVAL AND SALVAGE	FOOT	300
> Z0002600	BAR SPLICERS	EACH	70

SEE SPECIAL PROVISIONS

ROUTE NO. F.A.S. 1464	SECTION 03-00028 -03-BR	COUNTY TAZEWELL	SHEET 15	TOTAL SHEETS 2
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	
CONTRACT NO. 89346				

GENERAL NOTES

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2002," THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

ALL CLEARING AND GRUBBING AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION. THE REMOVAL OF THE RIPRAP DITCH MATERIAL WILL BE PAID FOR AS EARTH EXCAVATION. ALL BITUMINOUS MATERIAL SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR IN A METHOD APPROVED BY THE ENGINEER. PROPER DISPOSAL OF BITUMINOUS MATERIAL SHALL BE CONSIDERED INCIDENTAL TO PAVEMENT REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE LOCATIONS OF EXISTING GAS MAINS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THE LOCATIONS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE INDIVIDUAL UTILITY COMPANIES AND BY FIELD INSPECTION.

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 MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT-OF-WAY AS DIRECTED BY THE ENGINEER.
SEEDING, CLASS 2 (SPECIAL) = 0.3 ACRES

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

BITUMINOUS CONCRETE	112 LB/IN/SQ YD
POROUS GRANULAR EMBANKMENT	2.0 TON/CU YD
AGGREGATE SHOULDERS	2.05 TON/CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.1 GAL/SQ YD
RIPRAP, SPECIAL	1.75 TON/CU YD

PAINT PAVEMENT MARKING - LINE 4"	
LOCATION	FOOT
WHITE EDGE LINE	
LT. & RT. STA. 8+00.00 TO STA. 12+00.00	800
SKIP-DASH YELLOW	
LT. & RT. STA. 8+00.00 TO STA. 12+00.00	100
TOTAL	900

SPB GUARDRAIL REMOVAL & SALVAGE	
LOCATION	FOOT
RT. STA. 8+82.64 TO STA. 9+57.91	75
LT. STA. 8+82.69 TO STA. 9+57.42	75
RT. STA. 10+41.94 TO STA. 11+17.05	75
LT. STA. 10+41.97 TO STA. 11+17.05	75
TOTAL	300

STEEL PLATE BEAM GUARD RAIL, TYPE A	
LOCATION	FOOT
RT. STA. 8+51.7 TO RT. STA. 9+39.2	87.5
LT. STA. 9+26.7 TO LT. STA. 9+39.2	12.5
RT. STA. 10+60.8 TO RT. STA. 10+98.3	37.5
LT. STA. 10+60.8 TO LT. STA. 11+48.3	87.5
TOTAL	225

EARTHWORK SCHEDULE						
LOCATION	EARTH EXCAVATION (CU YD)	SHRINKAGE FACTOR	PERCENT USED	AVAILABLE* EXCAVATION (CU YD)	EMBANKMENT REQUIRED (CU YD)	EARTHWORK BALANCE (CU YD)
STA. 7+66 TO STA. 9+53.25	147	25%	100%	110	229	-119
STA. 9+53.25 TO STA. 10+46.75	-	25%	100%	-	-	-
STA. 10+46.75 TO STA. 12+34	43	25%	100%	32	292	-260
CHANNEL EXCAVATION	100	25%	70%	53		53
ENTRANCES					25	-25
TOTAL	190			195	546	-351
USE:	190					350

* AVAILABLE EXCAVATION = EXC. x (1-SHRINKAGE FACTOR) x % USED (FURN. EXC.)

TRAFFIC BARRIER TERMINAL, TYPE 5A	
LOCATION	EACH
RT. STA. 9+39.2 TO RT. STA. 9+52.5	1
LT. STA. 9+39.2 TO LT. STA. 9+52.5	1
RT. STA. 10+47.5 TO RT. STA. 10+60.8	1
LT. STA. 10+47.5 TO LT. STA. 10+60.8	1
TOTAL	4

TRAFFIC BARRIER TERMINAL, TY 1, SPL (TAN)	
LOCATION	EACH
RT. STA. 8+01.7 TO RT. STA. 8+51.7	1
LT. STA. 8+76.7 TO LT. STA. 9+26.7	1
RT. STA. 10+98.3 TO RT. STA. 11+48.3	1
LT. STA. 11+48.3 TO LT. STA. 11+98.3	1
TOTAL	4

MIXTURE REQUIREMENTS	
LOCATION(S):	BITUMINOUS SURFACE COURSE
MIXTURE USE(S):	POLYMERIZED BIT. CONC. SURFACE CSE, SUPERPAVE, MIX D, N50
AC/PG:	SBS 70-22
RAP % (MAX):	N/A
DESIGN AIR VOIDS:	4.0%, 50 GYRATION SUPERPAVE DESIGN
MIXTURE COMPOSITION (GRADATION MIXTURE):	IL-9.5 OR IL-12.5
FRICTION AGGREGATE:	D SURFACE
MIXTURE WEIGHT	112 LB/IN/SQ YD

MIXTURE REQUIREMENTS	
LOCATION(S):	BITUMINOUS BINDER COURSE
MIXTURE USE(S):	BITUMINOUS BINDER COURSE, SUPERPAVE, IL-19.0, N50
AC/PG:	PG 64-22
RAP % (MAX):	25
DESIGN AIR VOIDS:	4.0%, 50 GYRATION SUPERPAVE DESIGN
MIXTURE COMPOSITION (GRADATION MIXTURE):	IL-19.0
FRICTION AGGREGATE:	NONE

ROADWAY QUANTITIES SCHEDULE									
LOCATION (STATION TO STATION)	BIT. BIND. CSE. (TON)	BC SURF. CS SP. D N50 (TON)	AGG. SHLD. TB. (6") (TON)	PVT. REM. (SQ YD)	BR. APPR. PVT. (SQ YD)	AGG. SURFACE TY. B TON	PROTECT COAT ** (SQ YD)	BIT. MTL. (P.C.) (GALLON)	BIT. SURF. REM. (V.D.) (SQ YD)
7+66.00 TO 8+00.00			13						
8+00.00 TO 8+30.00									73.3
11+25.00 TO 12+00.00									183.3
12+00.00 TO 12+34.00			13						
8+00.00 TO 9+23.75	20.8	25.4	88					30	
9+23.75 TO 9+53.75			23	91	113.3		113.3		
10+46.25 TO 10+76.25			23	91	113.3		113.3		
10+76.25 TO 12+00	13.1	25.4	89					30	
ENTRANCES						25			
TOTAL	33.9	50.8	249	182	226.6	25	226.6	60	256.6
USE	34	51	250	182	227	25	227	60	257

**ADDITIONAL QUANTITY WITH BRIDGE PLANS

RLR
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Account Number 12-91-0012-1
Date: 08/04/04
DESIGNED: T.P.L. CHECKED: S.W.M. DRAWN: D.B.

SUMMARY OF QUANTITIES AND GENERAL NOTES
F.A.S. 1464 / C.H. 2 / DELAVAN ROAD
SECTION 03-00028-03-BR
TAZEWELL COUNTY