

SUMMARY OF QUANTITIES

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 292 (CH 49)	16	GRUNDY	17	2
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT	BRS-292(101)	
*03-00127-00-BR			CONTRACT #87282	

CODE NO.	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNIT DIAMETER)	UNIT	36
20200100	EARTH EXCAVATION	CU YD	650
20300100	CHANNEL EXCAVATION	CU YD	700
① 20400800	FURNISHED EXCAVATION	CU YD	685
① 25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.7
25100630	EROSION CONTROL BLANKET	SQ YD	180
① 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	350
① 28000300	TEMPORARY DITCH CHECKS	EACH	17
① 28100207	STONE RIPRAP, CLASS A4	TON	695
28200100	FILTER FABRIC FOR USE WITH RIPRAP	SQ YD	1,030
28300400	AGGREGATE DITCH	TON	171
① 35100100	AGGREGATE BASE COURSE, TYPE A	TON	470
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	554
48101200	AGGREGATE SHOULDERS, TYPE B	TON	55
① 50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
① 50300225	CONCRETE STRUCTURES	CU YD	41.5
① 50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	2,880
50800105	REINFORCEMENT BARS	POUND	4,620
50900205	STEEL RAILING, TYPE S-1	FOOT	196
51201000	FURNISHING METAL PILE SHELLS 12"	FOOT	771
51202600	DRIVING AND FILLING SHELLS	FOOT	771
51203200	TEST PILE METAL SHELLS	EACH	2
① 51204315	CONCRETE ENCASEMENT	CU YD	16.5
51500100	NAME PLATES	EACH	1
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	320
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	220
① 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
① 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	4
① 63200310	GUARDRAIL REMOVAL	FOOT	154
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1,125
① 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
① X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE MIX "C", N50	TON	135
① X4066614	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE IL-19.0, N50	TON	155
① X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION, LOCATION 1	EACH	1
① X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION, LOCATION 2	EACH	1
① Z0013798	CONSTRUCTION LAYOUT	L SUM	1
① Z0013825	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	14.0

① SEE SPECIAL PROVISIONS

CONSTRUCTION CODE TYPE: X080-2A

BITUMINOUS CONCRETE MIXTURE REQUIREMENTS

ITEM	Binder, N50	Surface (Mix "C"), N50
PG Grade	PG58-22	PG58-22
Max % RAP Allowable**	25%	15%
Design Air Voids	4.0%	4.0%
Mixture Composition	IL 19.0	IL 12.5 or IL 9.5

** If RAP option is selected, the asphalt cement grade may need to be adjusted. This will be determined by the Engineer.

**STRUCTURAL DESIGN INFORMATION
F.A.S. 292 (COUNTY HIGHWAY 49)**

ROAD CLASSIFICATION: CLASS III
 STRUCTURAL DESIGN TRAFFIC:
 PV = 811 SU = 64 MU = 46
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P = 50% S = 50% M = 50%
 MINIMUM SUBGRADE SUPPORT RATING: POOR
 FLEXIBLE PAVEMENT DESIGN: MINIMUM TF = 0.180
 BITUMINOUS PAVEMENT THICKNESS: 4 1/2"
 AGGREGATE BASE COURSE, TYPE A: 8"

GENERAL NOTES

PLAN QUANTITIES FOR TREE REMOVAL HAVE BEEN BASED ON ALL TREES WITHIN THE LIMITS OF CONSTRUCTION. THIS QUANTITY MAY BE REVISED DURING CONSTRUCTION, AT THE DIRECTION OF THE ENGINEER, BY DELETING FROM THE TREE REMOVAL QUANTITIES, SUCH TREES THAT DO NOT INTERFERE WITH THE PROPOSED CONSTRUCTION.

THE REMOVAL OF EXISTING BITUMINOUS SURFACE AND GRAVEL OR CRUSHED STONE BASE COURSE WHICH MAY BE NECESSARY FOR THE CONSTRUCTION OF THE NEW BRIDGE/ROADWAY SHALL BE REMOVED AS EARTH EXCAVATION AND NO COMPENSATION WILL BE ALLOWED FOR ADDITIONAL LABOR OR EQUIPMENT REQUIRED.

ALL WASTE OR UNDESIRABLE MATERIAL AS IDENTIFIED BY THE ENGINEER SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY AT THE CONTRACTOR'S EXPENSE.

ALL EXISTING PRIVATELY OWNED UTILITIES REQUIRING ADJUSTMENT WILL BE MADE BY THE UTILITY COMPANY INVOLVED. WHERE NO PROVISIONS HAVE BEEN MADE FOR ADJUSTMENTS ON THE PLANS, NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OR INCONVENIENCES CAUSED BY THE SAID UTILITY ADJUSTMENTS.

THE PROFILE GRADE ELEVATIONS SHOWN ON THE PLAN AND PROFILE SHEETS AND IN THE STATION CROSS SECTIONS ARE TO THE TOP OF THE FINISHED SURFACE.

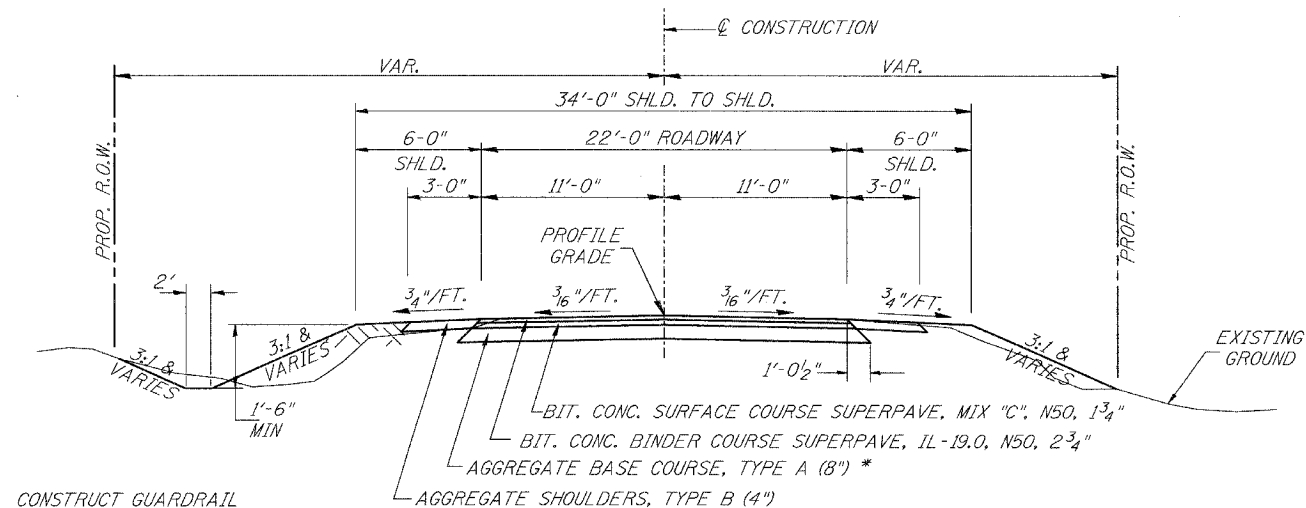
ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION

THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS REPRESENTS THE BEST KNOWLEDGE OF THE COUNTY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY AS DETAILED IN SECTION 563 OF THE STANDARD SPECIFICATIONS, TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATIONS BEFORE STARTING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL INDEMNIFY THE COUNTY, ITS OFFICERS AND EMPLOYEES AGAINST ALL CLAIMS DUE TO DAMAGE TO CORPORATE OR PRIVATE PROPERTY RESULTING FROM HIS CONSTRUCTION OPERATIONS AS DESCRIBED IN ARTICLES 107.20 AND 107.26 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR MAY BE REQUIRED TO CONDUCT SOME OF HIS GRADING AND TRENCHING OPERATIONS AROUND TRANSMISSION POLES AND UNDER TRANSMISSION LINES. THE ADDED COST OF SO DOING SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE PROPERTY MARKERS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT, HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

ALL ELEVATIONS SHOWN REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.

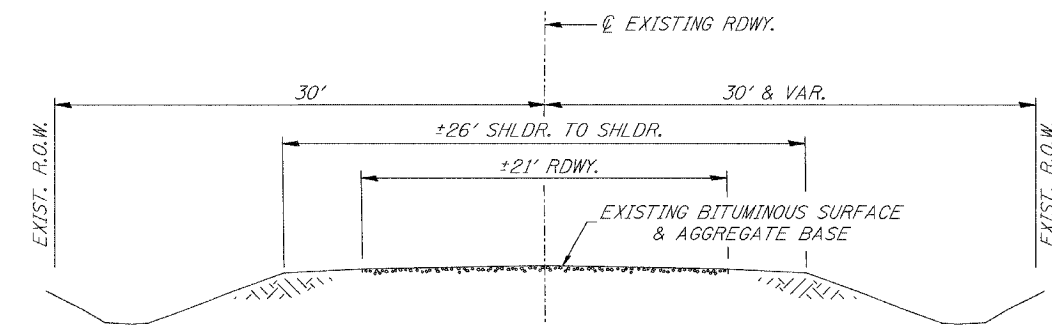


CONSTRUCT GUARDRAIL SHOULDER WIDENING IN ACCORDANCE WITH STD 630301

PROPOSED TYPICAL SECTION
 STA. 17+00.00 TO STA. 19+51.00
 STA. 20+49.00 TO STA. 22+00.00
 EXCEPT TRANSITIONS

* TAPER AGGREGATE FROM 22'-9" TO 26'-0" SURFACE WIDTH AND THICKEN AGGREGATE FROM 8" TO 12" WITHIN 25' OF ABUTMENTS.

BRIDGE OMISSION
 STA. 19+51.00 TO STA. 20+49.00



EXISTING TYPICAL SECTION