

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS1523	*	CHAMPAIGN	38	2
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

\* 09-00956-00-BR  
Contract No. 91452

**SUMMARY OF QUANTITIES - SEC. 09-00956-00-BR**

CODE	DESCRIPTION	UNIT	QUANTITY
20200100	Earth Excavation	Cu. Yd.	50
20400800	Furnished Excavation	Cu. Yd.	105
21101615	Top Soil Furnish & Place, 4"	Sq. Yd.	1265
*25000200	Seeding, Class 2	Acre	0.27
*25000400	Nitrogen Fertilizer Nutrient	Pound	40
*25000500	Phosphorus Fertilizer Nutrient	Pound	40
*25000600	Potassium Fertilizer Nutrient	Pound	40
*25100115	Mulch, Method 2	Acre	0.27
*28000250	Temporary Erosion Control Seeding	Pound	30
*28000305	Temporary Ditch Checks	Foot	40
*28000400	Perimeter Erosion Barrier	Foot	545
*28000500	Inlet & Pipe Protection	Each	4
31101200	Sub-base Granular Material, Type B 4"	Sq. Yd.	72
*40201000	Aggregate for Temporary Access	Tons	100
*40300100	Bituminous Materials (Prime Coat)	Gal	230
*40603310	Hot Mix Asphalt Surface Course, Mix "C", N50	Ton	80
44000100	Pavement Removal	Sq. Yd.	103
44000157	Hot-Mix Asphalt Surface Removal, 2"	Sq. Yd.	568
50100100	Removal of Existing Structures	Each	1
50200100	Structure Excavation	Cu. Yd.	385
50300225	Concrete Structures	Cu. Yd.	81.1
50300255	Concrete Superstructures	Cu. Yd.	301
50300260	Bridge Deck Grooving	Sq. Yd.	729
50300300	Protective Coat	Sq. Yd.	793
*50500105	Furnishing & Erecting Structural Steel	L. Sum	1
50800105	Reinforcement Bars	Pound	2960
50800205	Reinforcement Bars, Epoxy Coated	Pound	68090
50800515	Bar Splicers	Each	108
Δ50901050	Steel Railing, Type SM	Foot	151
51500100	Name Plates	Each	1
51201400	Furnishing Steel Piles HP10x42	Foot	1400
51202305	Driving Piles	Foot	1400
51203400	Test Pile Steel HP10x42	Each	2
51204650	Pile Shoes	Each	30
59100100	Geocomposite Wall Drain	Sq. Yds.	115
*X6061460	Paved Ditch (Special)	Foot	55
Δ63100087	Traffic Barrier Terminal, Type 6A	Each	1
Δ*X6310088	Traffic Barrier Terminal, Type 6A (Special)	Each	1
Δ63100167	Traffic Barrier Terminal, Type 1 (Special) Tangent	Each	1
*X6640304	Chain Link Fence to be Removed and Re-erected	Foot	24
67100100	Mobilization	L. Sum	1
*X7010216	Traffic Control and Protection (Special)	L. Sum	1
Δ78001110	Paint Pavement Marking - Line 4"	Foot	1300
*X0325109	Porous Granular Material	Cu. Yd.	160
*XX004565	Grouted Riprap	Sq. Yds.	290
*XX004566	Concrete Cut-Off Wall	Cu. Yd.	10.8
*Z0013798	Construction Layout	L. Sum	1
*Z0046304	Pipe Underdrains For Structures 4"	Foot	230

**MIXTURE REQUIREMENTS TABLE**

MIXTURE	SURFACE
PG	PG 64-22
RAP	15%
Design Voids	4.0% @ N <sub>des</sub> = 50
Mix Composition	IL 9.5
Friction Aggregate	Mix C

**GENERAL NOTES**

- New Fasteners shall be AASHTO M164 Type 1, mechanically Galvanized Bolts. Bolts 7/8" dia. holes 1 1/8" dia., unless otherwise noted.
- Calculated weight of new Structural Steel = 149,000 lbs.
- All new structural steel shall be AASHTO M 270 Grade 50W, except where otherwise noted.
- No field welding is permitted.
- Reinforcement bars shall conform to the requirements of ASTM A706 Gr 60 (IL Modified). See Special Provisions.
- Reinforcement bars designated (E) shall be epoxy coated.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevation within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- Structural steel shall only be painted for a distance equal to the depth of the embedment into the concrete cap plus 3 in. Those areas shall be primed in the shop with a Department approved zinc rich primer. No field painting shall be required. All structural steel shall be cleaned as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel". The cost of painting & preparing shall be incidental to the cost of Furnishing & Erecting Structural Steel.
- All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
- Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.
- The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Formwork shall be removed prior to the placement of the bridge approach pavement.
- Portions of the guardrail near the bridge shall be vertically adjusted to connect the end of the Type SM Bridge Railing.
- CA-6 shall be used as the Aggregate for Temporary Access. The aggregate shall be the property of the Contractor.

**UTILITIES.**  
Call J.U.L.I.E. 1-800-892-0123  
The Contractor shall coordinate the relocation of any utilities with the utility company where they conflict with the proposed improvements.

• See Special Provisions  
Δ Specialty Items

DSGN	K.J. Hoffmann				
DR	K.J. Hoffmann				
CHK	J.R. Wolf				
APVD	J.A. Fraenhoffer	NO.	DATE	REVISION	BY



**FRAUENHOFFER & ASSOCIATES**  
A Division of Engineering Resource Associates, Inc.  
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**SUMMARY OF QUANTITIES & GENERAL NOTES**  
FAS 1523 (CH 55) OVER UPPER SALT FORK  
SEC 09-00956-00-BR  
CHAMPAIGN COUNTY

SHEET	2
DWG NO.	7052SOQ.dgn
DATE	FEB 2011
PROJ NO.	7052