

BRIDGE BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Porous Granular Embankment, Special	Ton	0	14	14
Bituminous Materials (Prime Coat)	Gallon	54	0	54
Hot-Mix Asphalt Surface Course, Mix "C", N30	Ton	73.3	0	73.3
Removal of Existing Superstructures	Each	1	0	1
Concrete Removal	Cu Yd	0	2.8	2.8
Slope Wall Removal	Sq Yd	0	28	28
Structure Excavation	Cu Yd	0	24	24
Concrete Structures	Cu Yd	0	9.7	9.7
Concrete Superstructure	Cu Yd	3.9	0	3.9
Precast Prestressed Concrete Deck Beams (27" Depth)	Sq Ft	4,966	0	4,966
Reinforcement Bars, Epoxy Coated	Pound	410	780	1,190
Steel Railings Type SM	Foot	306	0	306
Slope Wall 6 Inch	Sq Yd	0	28	28
Name Plates	Each	1	0	1
Preformed Joint Strip Seal	Foot	99	0	99
Waterproofing Membrane System	Sq Yd	539.6	0	539.6
Portland Cement Mortar Fairing Course	Foot	1,482	0	1,482
Concrete Sealer	Sq Ft	0	356	356
Controlled Low-Strength Material	Cu Yd	0	20	20
Mobilization	L Sum	0	1	1
Monodirectional Prismatic Barrier Reflector	Each	14	0	14
Structural Repair of Concrete (Depth Greater Than 5 Inches)	Sq Ft	0	123	123
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq Ft	0	119	119
Underwater Structure Excavation Protection - Location 1	Each	0	1	1
Underwater Structure Excavation Protection - Location 2	Each	0	1	1
Construction Layout	L Sum	1	0	1
Asbestos Bearing Pad Removal	Each	66	0	66
Fiber Reinforced Protection	Sq Ft	0	569	569
Acrylic Coating	Sq Yd	0	63	63
Joint or Crack Routing	Foot	0	1,450	1,450
Joint or Crack Filling	Foot	0	1,450	1,450

GUARDRAIL & RELATED ITEMS

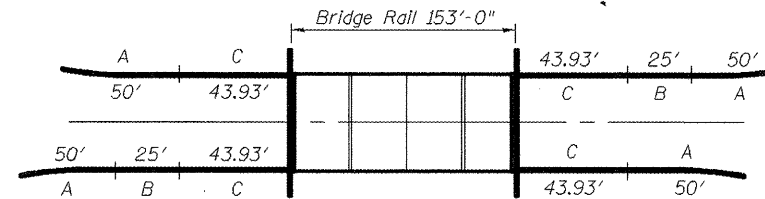
CONTRACT NO. 89524

Location	Offset	Traffic Barrier Terminal, Type 1, Special (Tangent) (Ea.) Std. 630301	Monodirectional Prismatic Barrier Reflector (Ea.)	Steel Plate Beam Guardrail, Type A (Foot) Std. 630001	Traffic Barrier Terminal, Type 6A (Ea.) Std. 631032	Terminal Marker Direct Applied (Ea.) Std. 635006
		A		B	C	
A West of Bridge	Right	1				1
B West of Bridge	Right		3	25		
C West of Bridge	Right				1	
A West of Bridge	Left	1				1
C West of Bridge	Left		2		1	
C East of Bridge	Right		2		1	
A East of Bridge	Right	1				1
C East of Bridge	Left		3		1	
B East of Bridge	Left			25		
A East of Bridge	Left	1				1
Total		4	10	50	4	4

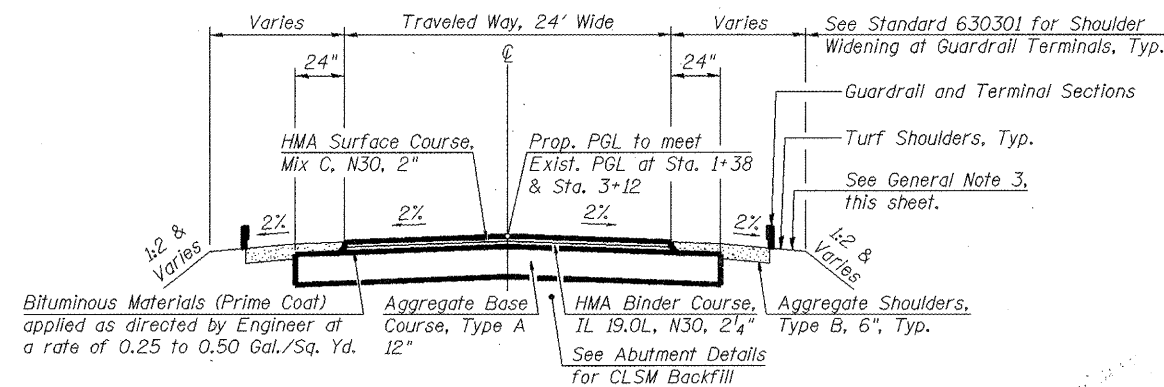
- 1.) See Sht. 13 of 16 for Bridge Rail
- 2.) Monodirectional Reflectors spaced at 25 ft. O.C. except none on the Traffic Barrier Terminal, Type 1 Special (Tangent); See also Sht. 12 of 16.

GENERAL NOTES

- 1.) All work shall be in conformance with applicable sections of the Illinois Department of Transportation's "Standard Specifications for Road and Bridge Construction" adopted January 1, 2007 and Supplemental Specifications adopted January 1, 2009.
- 2.) The Contractor shall be responsible for locating and protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. The JULIE number is 811 or 800-892-0123.
- 3.) The final top four inches of soil in any right of way area disturbed by the contractor must be a cohesive topsoil capable of supporting vegetation. Cost of topsoil restoration is included in Seeding, Class 3.
- 4.) A nationwide 404 permit has been obtained for this project and the conditions of that permit must be adhered to.



GUARDRAIL LAYOUT



PROPOSED TYPICAL SECTION

For Roadway Repairs behind Abutments
From Sta. 1+38 to Bk. of Prop. W. Abut. and from Bk. of Prop. E. Abut. to Sta. 3+12.
See notes on Sht. 15 and Sht. 16 of 16 for roadway repair payment limits.

HMA MIX DESIGN

	HMA Surface	HMA Binder
AC/PG:	PG64-22	PG64-22
RAP % (Max):	30%	30%
Design Air Voids:	4.0% @ N=30	4.0% @ N=30
Mixture Composition:	IL 9.5 or 12.5	IL 19.0 L
Friction Aggregate	Mixture C	N/A

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

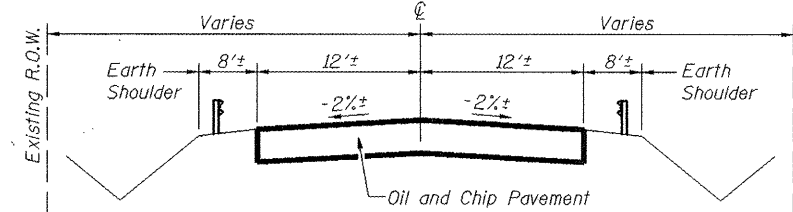
UTILITY COMPANIES

Electric Amerenilco Kent Kowalske, PE 300 Liberty Peoria, IL 61602 Ph.: 309-693-4839	Telephone Mid Century Telephone Co-op Steve Russell 285 Mid Century Lane P.O. Box 380 Fairview, IL 61432 Ph.: 309-778-8611
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EROSION CONTROL, SEEDING & RELATED ITEMS SUMMARY

Location (Offset)	Seeding Class 3 (Acres)	Erosion Control Blanket (Sq. Yd.)	Nitrogen Fertilizer Nutrient (Pound) ***	Phosphorus Fertilizer Nutrient (Pound) ***	Potassium Fertilizer Nutrient (Pound) ***	Perimeter Erosion Control Barrier (Foot) ****	Temporary Erosion Control Seeding (Pound) ****
NW: Sta. 0+47.96 to Sta. 1+47.96 (Left)	0.11	509	10	10	10	100	
SW: Sta. 0+47.96 to Sta. 1+47.96 (Right)	0.07	335	6	6	6	100	
NE: Sta. 3+00.94 to Sta. 4+00.94 (Left)	0.16	756	14	14	14	100	
NE: Sta. 3+00.94 to Sta. 4+00.94 (Right)	0.14	699	13	13	13	100	
Total	0.48	2299	43	43	43	400	200

1. Nutrient Application Rate: 1-1-1 at 270 lbs./acre ***
2. Erosion Control Blanket shall be knitted straw only
3. The Contractor shall restore all vegetated areas disturbed by his activities. As an allowance for payment, the seeding areas shown are measured from the outside edge of 24' pavement to existing right-of-way, from backs of abutments outward 100 ft. Restoration of surfaces beyond these limits will not be measured for payment, but shall be at the Contractor's expense.
4. **** The Contractor shall place perimeter erosion control and temporary seeding as directed by the Engineer. See Standard 280001 and 280001-D4 and special provisions for "Storm Water Pollution Prevention Plan".



EXISTING TYPICAL SECTION

Not to Scale

**GENERAL NOTES, BRIDGE BILL OF MATERIAL & TYPICAL SECTIONS
SPOON RIVER ROAD
STATION 2+25.00**

DESIGNED	PJL
CHECKED	LLV
DRAWN	MGM
CHECKED	PJL

	HWY	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CH R15	08-00092-01-BR	PEORIA	16	3
	STRUCTURE NO. 072-3101				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT BROS-143(050)		