

GENERAL NOTES

- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
- Reinforcement bars designated (E) shall be epoxy coated.
- Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.
- If a portion of the pier wall or concrete encasement is under water, reinforcement may be placed underwater into forms. Concrete shall be tremied according to Article 503.08 of the Standard Specifications to an elevation of 1'-0" above the water line at the time of construction.
- All organic and/or other unsuitable materials must be removed from foundation and slab subgrades and backfill areas and then backfilled with an acceptable fill material per IDOT specification, and compacted to 95% of maximum density at optimum moisture content (ASTM D1557).
- Prior to construction, detailing of shop drawing and ordering materials the Contractor shall verify all dimensions and site conditions of the project area.
- All construction joints shall be bonded. No construction joints except those shown on the plans will be allowed unless ordered by the Engineer.
- Reinforcement bar lap splices shall be Class C. Top bars so placed that more than 12 inches of concrete is cast below the reinforcement shall be lapped for 1.4 x basic lap. Reinforcement bar splices shall be in accordance with the following table unless shown otherwise on the drawing.

Bar Size	Basic Lap	1.4 Basic Lap
#4	1'-8"	2'-5"
#5	2'-2"	3'-0"
#6	2'-7"	3'-7"
#7	3'-5"	4'-10"
#8	4'-6"	6'-4"
#9	5'-9"	8'-1"
#11	9'-0"	12'-7"

- Slipforming of the parapets is not allowed.
- For limits of removal of unsuitable materials, see Civil Plans.
- No in-stream work or work that could potentially impact the Fox River can occur between March 1, 2010 and June 7, 2010. In-stream work includes the East Branch of Brewster Creek.
- All disturbed areas and work areas must be isolated from creek flows at all times. The diversion/isolation of the creek flows must be constructed from non-erodible materials. The KDSWCD must be in agreement with overall exact method of diversion/isolation prior to the commencement of construction (Contact KDSWCD 630-584-7961 x3). In accordance with the Special Provisions; Underwater Structure Excavation Protection Location 1 and Location 2 and Removal of Existing Structures, Contractor will submit the required documents for approval.
- No work shall be performed in flowing water and no equipment shall enter Brewster Creek without approval of the KDSWCD or the Army Corps of Engineers. Work in and near the critical areas should be isolated from concentrated flows or stream flow. The stream banks shall be stabilized at the end of each day. Once work in this area begins, priority shall be given to the completion of the work and final stabilization of all disturbed areas.
- See Erosion Control Plans for erosion control and de-watering details.

DESIGNED	AJK
CHECKED	AAY
DRAWN	AYR
CHECKED	DMC

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

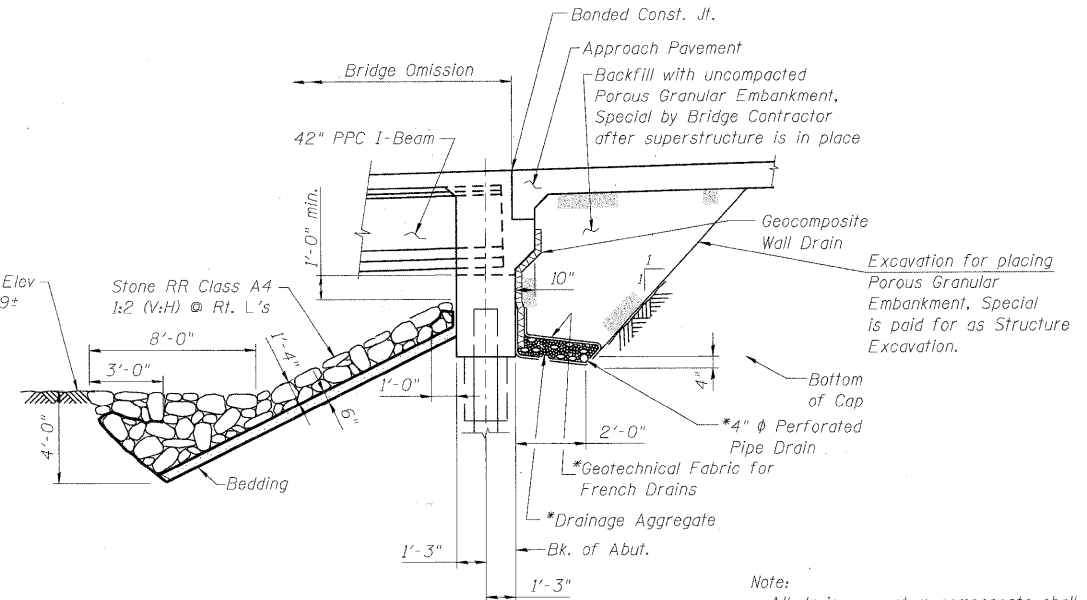
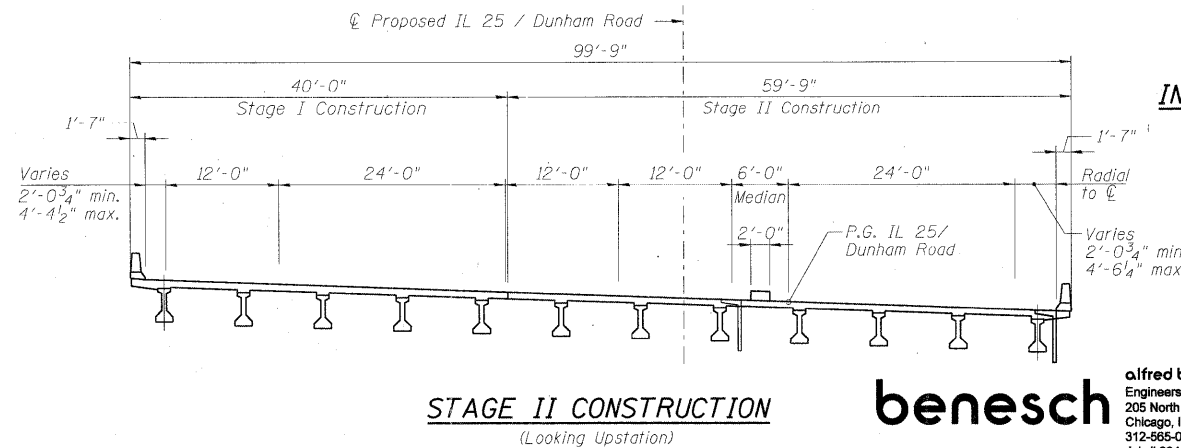
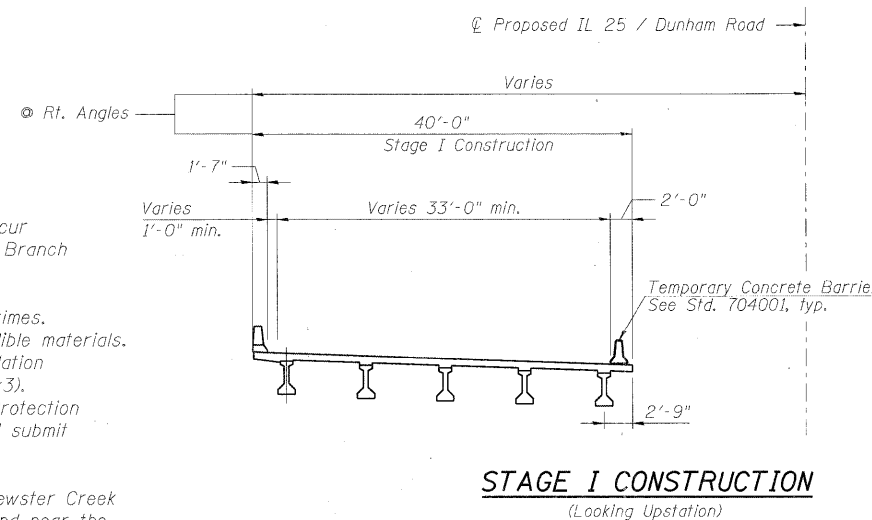
SD - 1 of 34	General Plan and Elevation
SD - 2 of 34	General Notes, Index of Sheets and Total Bill of Material
SD - 3 of 34	Foundation Plan
SD - 4 of 34	Top of Slab Elevations
SD - 5 of 34	Deck Elevations (1 of 3)
SD - 6 of 34	Deck Elevations (2 of 3)
SD - 7 of 34	Deck Elevations (3 of 3)
SD - 8 of 34	Top of South Approach Slab Elevations
SD - 9 of 34	Top of North Approach Slab Elevations
SD - 10 of 34	Deck Reinforcement Plan
SD - 11 of 34	Deck Cross Section
SD - 12 of 34	Diaphragm Elevation
SD - 13 of 34	Diaphragm Sections
SD - 14 of 34	Parapet Elevation and Details
SD - 15 of 34	Reinforcement Bar Bends and Details
SD - 16 of 34	Framing Plan
SD - 17 of 34	42" PPC I-Beam Elevation Spans 1 and 3
SD - 18 of 34	42" PPC I-Beam Elevation Span 2
SD - 19 of 34	42" PPC I-Beam Details
SD - 20 of 34	South Abutment - Plan and Elevation
SD - 21 of 34	North Abutment - Plan and Elevation
SD - 22 of 34	Pier 1 Plan and Elevation
SD - 23 of 34	Pier 2 Plan and Elevation
SD - 24 of 34	Pile Details
SD - 25 of 34	Bar Splicer Assembly Details
SD - 26 of 34	Temporary Barrier for Stage Construction
SD - 27 of 34	Drainage Scupper Details
SD - 28 of 34	Drainage Details
SD - 29 of 34	Bridge Approach Slab Details (1 of 2)
SD - 30 of 34	Bridge Approach Slab Details (2 of 2)
SD - 31 of 34	Soil Boring Log 1 of 4
SD - 32 of 34	Soil Boring Log 2 of 4
SD - 33 of 34	Soil Boring Log 3 of 4
SD - 34 of 34	Soil Boring Log 4 of 4

ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
		KANE	545	317

Contract # 63074

TOTAL BILL OF MATERIAL

ITEM	UNIT	STAGE 1		STAGE 2		TOTAL
		SUPER	SUB	SUPER	SUB	
Porous Granular Embankment, Special	Cu. Yd.		148		176	324
Stone Riprap Class A4	Sq. Yd.		410		541	951
Filter Fabric	Sq. Yd.		410		541	951
Removal of Existing Structures	L. Sum				1	1
Structure Excavation	Cu. Yd.		160		218	378
Concrete Structures	Cu. Yd.		200.3		268.3	468.6
Concrete Superstructure	Cu. Yd.	351.9		513.6		865.5
Bridge Deck Grooving	Sq. Yd.	805		1,213		2,018
Concrete Encasement	Cu. Yd.		11.4		16.8	28.2
Protective Coat	Sq. Yd.	924		1,381		2,305
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 42 In.	Foot	695		973		1,668
Reinforcement Bars, Epoxy Coated	Pound	77,920	15,930	105,680	19,930	219,460
Bar Splicers	Each	827	86	116		1,029
Furnishing Steel Piles HPI2x53	Foot		1,872		3,216	5,088
Driving Piles	Foot		1,872		3,216	5,088
Test Pile Steel HPI2x53	Each		4			4
Pile Shoes	Each		32		48	80
Name Plates	Each			1		1
Geocomposite Wall Drain	Sq. Yd.		71		91	162
Pipe Underdrains for Structures 4"	Foot		105		143	248
Temporary Soil Retention System	Sq Ft		148			148
Drainage Scuppers, DS-12M10	Each			6		6
Underwater Structure Excavation Protection - Location 1	Each		1		1	2
Underwater Structure Excavation Protection - Location 2	Each		1		1	2
Drainage System	L. Sum			1		1



SECTION THRU INTEGRAL ABUTMENT

* Included in cost of Pipe Underdrains for Structures.

Note:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

GENERAL NOTES, INDEX OF SHEETS AND TOTAL BILL OF MATERIAL
IL 25/DUNHAM ROAD OVER THE EAST BRANCH OF BREWSTER CREEK
F.A.P. 360 - SEC. 06-00214-15-BR
KANE COUNTY
STATION 276+36.96
STRUCTURE NO. 045-2032

benesch
alfred benesch & company
Engineers - Surveyors - Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
Job # 3944