

GENERAL NOTES

Expansion joint plates and attached bars shall be shop painted with the inorganic zinc rich primer.

Reinforcement bars shall conform to the requirements of AASHTO M 31M, M 322M Grade 400.

Slope wall shall be reinforced with welded wire fabric, 152 x 152 - MW25.8 x MW25.8, with a mass of 2.91 kg/m².

The back face of Closed Abutments and their wingwalls shall be waterproofed according to Article 503.18 of the Standard Specifications.

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Bridge Seat Sealer shall be applied to the seat area of Piers 1 and 3.

All dimensions are in millimeters (mm) except as noted.

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements, then full design submittals with the required seals will be expected by the Department for review and approval.

The Contractor shall anchor the sheet piling to the back of the existing abutment wall. The connection shall be approved by the Engineer. Sheet Piling within the limits of existing footing shall have the bottom elevation at the top of the footing.

All structural steel shall be AASHTO M270M Grade 345.

All construction joints shall be bonded.

The Contractor shall make his own investigation to determine the existence, nature and exact location of all utility lines and appurtenances within the limits of this improvement. The cost of this work will be considered incidental to the contract.

General Contractor should contact CTA's construction manager Mr. Syed Hussein at (312) 681-3862 and/or Mr. Marvin A. Watson at (312) 681-3860, with regard coordination, flagging, inspection, insurance, special requirements, etc. The cost of conforming to these requirements shall be considered as included in the contract unit prices bid for the various items of work involved, and no additional compensation will be allowed.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Superstructures	L. Sum	1	---	1
Concrete Removal	m ³	---	145.2	145.2
Structure Excavation	m ³	---	122.2	122.2
Porous Granular Embankment	m ³	---	114.5	114.5
Preformed Joint Seal 102mm	m	50.2	---	50.2
Concrete Structures	m ³	---	263.6	263.6
Concrete Superstructure	m ³	590.1	---	590.1
Bridge Deck Grooving	m ²	145.3	---	145.3
Elastomeric Bearing Assembly, Type I	Each	50	---	50
Furnishing and Erecting Precast Prestressed Concrete I Beams, 12.19mm	m	863.5	---	863.5
Furnishing and Erecting Structural Steel	kg	950	---	950
Reinforcement Bars, Epoxy Coated	kg	68,410	18,720	87,130
Bar Splicers	Each	793	50	843
Slope wall 100mm	m ²	---	125	125
Temporary Sheet Piling	m ²	---	125	125
Name Plates	Each	---	1	1
Bridge Seat Sealer	m ²	---	74	74
Bridge Fence Railing, Parapet Mounted	m	146	---	146
Pedestrian Railing	m	19	---	19
Drainage Scuppers (Special)	Each	20	---	20
Drainage System	L. Sum	1	---	1
Protective Coat	m ²	1975	---	1975
High Performance-Enhanced Shotcrete	m ²	---	14.3	14.3
Protective Shield*	m ²	1180	---	1180
Furnished Excavation	m ³	---	170	170
Slope wall Removal	m ²	---	18	18

* The limits of the protective shield shall be the out-to-out width of the existing deck plus 0.6 m each side and from the centerline of Pier 1 to the centerline of Pier 3. The bid item protective shield includes all work necessary to remove and dispose of the existing protective shield system and any associated debris by the contractor.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. S2
FAU 2783	1314B	COOK	160	80	S40 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		
CONTRACT 60293					

LIST OF STRUCTURAL DRAWINGS

TITLE	SHEET
General Plan & Elevation	S1
General Notes & Bill of Material	S2
Staging Details	S3
Top of Slab Elevations - I	S4
Top of Slab Elevations - II	S5
Top of Slab Elevations - III	S6
Top of Slab Elevations - IV	S7
Superstructure	S8
Superstructure Details - I	S9
Superstructure Details - II	S10
Superstructure Details - III	S11
Superstructure Details - IV	S12
Superstructure Details - V	S13
Superstructure Details - VI	S14
Superstructure Details - VII	S15
Superstructure Details - VIII	S16
Bridge Fence Railing Parapet Mounted	S17
Bridge Fence Railing Parapet Mounted Gate Details	S18
Pedestrian Railing	S19
Framing Plan	S20
Beam Details Span 1	S21
Beam Details Spans 2 & 3	S22
Beam Details Span 4	S23
Bearing Details	S24
South Abutment Removal	S25
South Abutment	S26
South Abutment Details	S27
North Abutment Removal	S28
North Abutment	S29
North Abutment Details	S30
Piers 1 & 3 Removal	S31
Pier 1 Details	S32
Pier 2 Removal	S33
Pier 2 Details	S34
Pier 3 Details	S35
Drainage Scupper Special	S36
Drainage Details	S37
Anchor Bolt Details for Bearings	S38
Bar Splicer Details	S39
Temporary Concrete Barrier	S40

REVISIONS	
NAME	DATE

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 (312) 704-9300
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184-000993

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90 (1-90)
 AT NAGLE AVENUE
 F.A.U. RTE. 2783 SEC 1314B
 COOK COUNTY STATION 0+998.813
 STRUCTURE NO. 016-0708
GENERAL NOTES & BILL OF MATERIAL
 DRAWN BY KAC
 CHECKED BY LDB/DGS
 DATE: DEC. 2004