ISTRICT ONE – DESIGN – PLAN PREPARATION ENGINEER: EN ENG / ROBERT BORO (847) 705-4178
 ROUTE
 SECTION
 COUNTY
 TOTAL SHEET NUMBER

 FAI 290
 3333-212 VB-I
 COOK
 6
 1

FOR INDEX OF SHEETS SEE SHEET 2

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT ONE PROPOSED HIGHWAY PLANS

FAI 290: INTERSTATE 290
CIRCLE AVE. OVER I-290, RAILROAD, CTA
SECTION: 3333-212 VB-I
BRIDGE BEAM STRAIGHTENING & REPAIR
COOK COUNTY
C-91-059-05

R 12 E

D-91-059-05

McHenry Lake

DuPage
Cook

CONTRACT NO. 62875

LOCATION OF IMPROVEMENT INDICATED THUS:

IMPROVEMENT IS LOCATED IN THE VILLAGE OF FOREST PARK

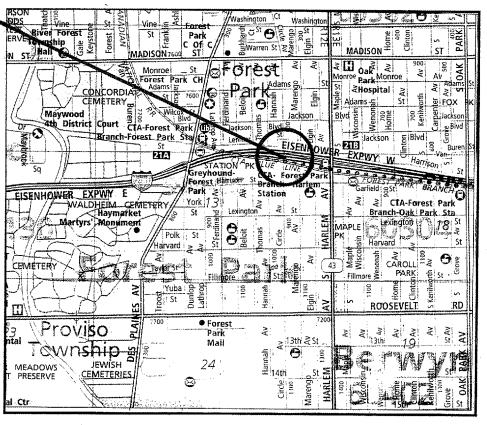
LOCATION OF IMPROVEMENT AT LOC. 1: SN 016-0995

TRAFFIC DATA:

CONTRACT NO. 62875

CIRCLE AVE.

SPEED LIMIT = 25 MPH



PROVISO TOWNSHIP

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED:

March 23 20 05

DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 13, 2005

Muke Hene (KD) ENGINEER OF DESIGN AND ENVIRONM

DIRECTOR, DIVISION OF HIGHWAY

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

J.U.L.I.E.: JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION (800) 892-0123

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER				
FAI 290	3333-212 VB-I	соок	6	7				
		00011	l O					

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4 -5	BRIDGE BEAMS STRAIGHTENING PLANS
6	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

STATE STANDARDS

STANDARDS	DESCRIPTION
701301 <i>-0</i> 2	LANE CLOSURE 2L, 2W SHORT TIME OPERATIONS
701501 -03	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED

CONTRACT NO. 62875

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, I.D.O.T.'S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.

WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UPMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.

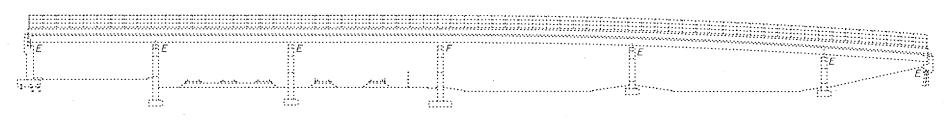
ILLINOIS DEPARTMENT OF TRANSPORTATION
INDEX OF SHEETS
STATE STANDARDS
GENERAL NOTES

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAI 290	3333-212 VB-I	соок	6	3

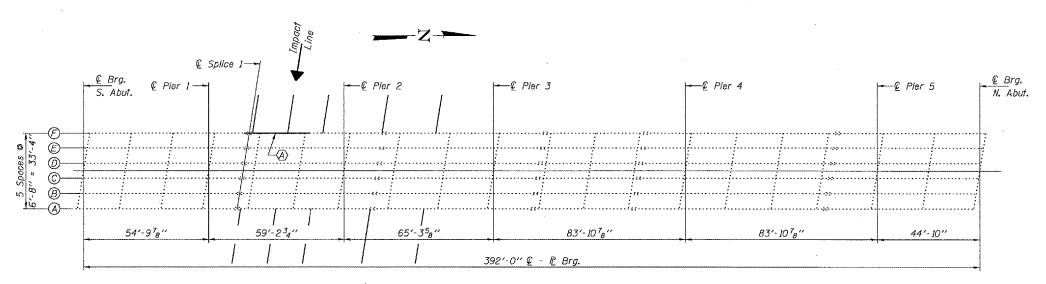
SUMMARY OF QUANTITIES			URBAN 1004.MCHD	CONTRACT I					ACT NO. 62
CODE NO	E NO ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE SFTY - 2A COOK COUNTY			2A		
				SN 016-0995					
50501130	STRUCTURAL STEEL REPAIR	POUND	1600	1600	***	<u> </u>			
37000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	1	1					
37100100	MOBILIZATION	L SUM	1	. 1					
701026 3 0	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1					·
0322467	TEMPORARY INFORMATION SIGNING FOR LANE CLOSURE	SQ FT	48	48					
20003600	BEAM STRAIGHTENING	L SUM	1	1					
20048665	RAILROAD PROTECTION LIABILITY INSURANCE	L SUM	1	1					
								·	
							,		
					·				

ILLINOIS DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



ELEVATION



PLAN

(A) Straighten & Strengthen existing beam.



Contract No. 62875

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr, 36, unless otherwise noted.

Grind existing nicks, gouges and shallow cracks in the damaged beams as detailed. Ground surfaces shall be inspected for cracks using magnetic particle testing prior to initiating any beam straightening operations. Cost included with Beam Straightening. Any cracks that cannot be removed by grinding approximately '4" deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition.

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.

Cost of removal and re-installation of all members necessary to complete the

Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Structural Steel Repair.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

The existing structural steel coating contains lead. The Contractor should take appropriate precautions to deal with the presence of lead on this project.

After the new beam is in its final position and/or beam straightening operations have been completed, the Engineer in the field shall check to see that the top flange is tight against the slab. If not the Contractor shall inject epoxy between the existing concrete deck and the top flange of the beam. See Special Provision "Epoxy Injection".

The inorganic zinc rich primer/acrylic/acrylic paint system shall be used for shap and field painting of new structural steel except where otherwise noted. The color of the acrylic finish coat shall be Reddish Brown, Munsell No. 2.5YR 3/4. See Special Provision "Cleaning and Painting New Metal Structures".

BILL OF MATERIAL

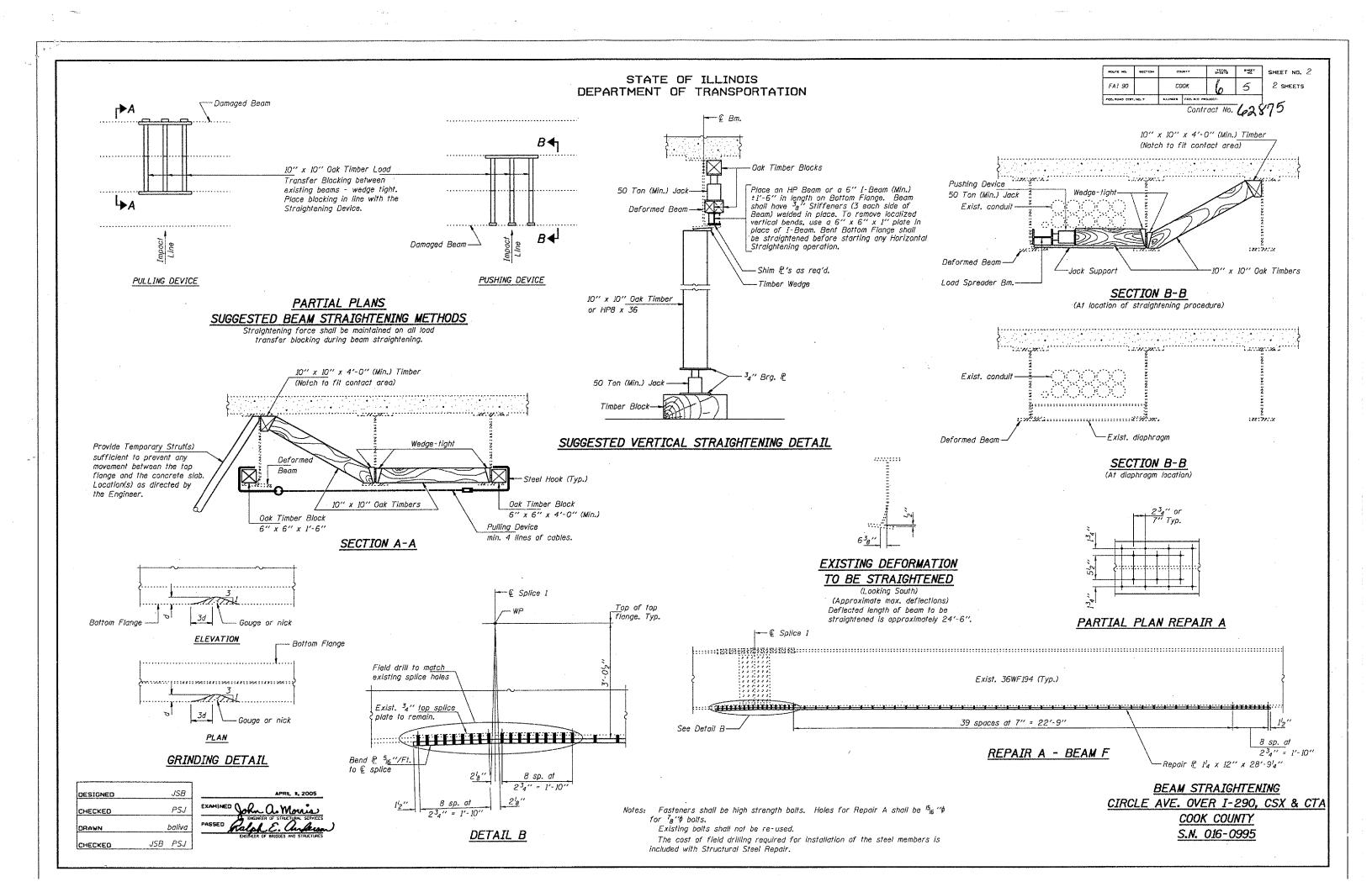
ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	1600
Beam Straightening	L.S.	1
······································		

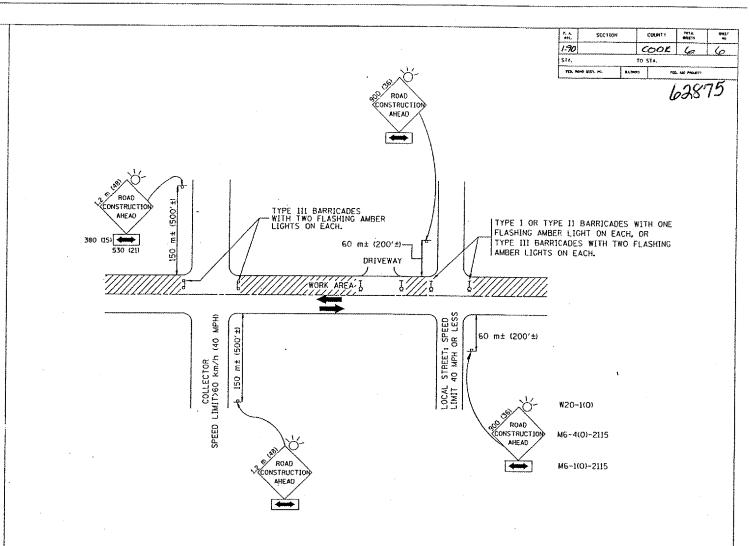
PLAN AND ELEVATION

CIRCLE AVE. OVER I-290, CSX & CTA

COOK COUNTY

S.N. 016-0995





TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- 1. SIDE ROAD WITH A SPEED LIMIT OF 60 km/h (40 MPH) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- c) ONE ROAD CONSTRUCTION AHEAD SIGN 900×900 (36×36) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 60 m (200°) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 60 km/h (40 MPH) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- a) ONE ROAD CONSTRUCTION ANEAD SIGN 1.2 m \times 1.2 m (48 \times 48) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 150 m (500°) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in millimeters (inches) unless otherwise shown.

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION
FOR
FOR
SIDE ROADS, INTERSECTIONS, AND

SCALE, MONTE

DRIVEWAYS

SCALE: NONE DATE: 01/27/00

DRAWN BY CHECKED BY

Thu Jan 27 09:26:05 2000 \\dlcadd!\projects\diststd\tcl0.dgn LY=35 VI=TC10