### 08-02-2024 LETTING ITEM 025

### **INDEX OF SHEETS**

1 COVER SHEET

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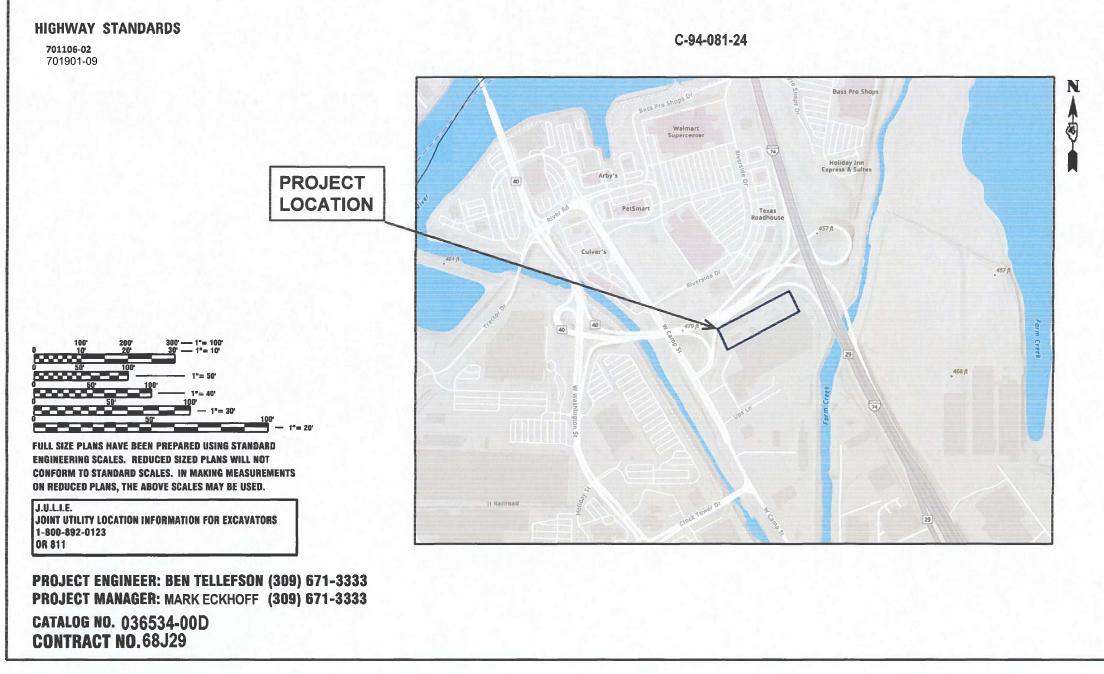
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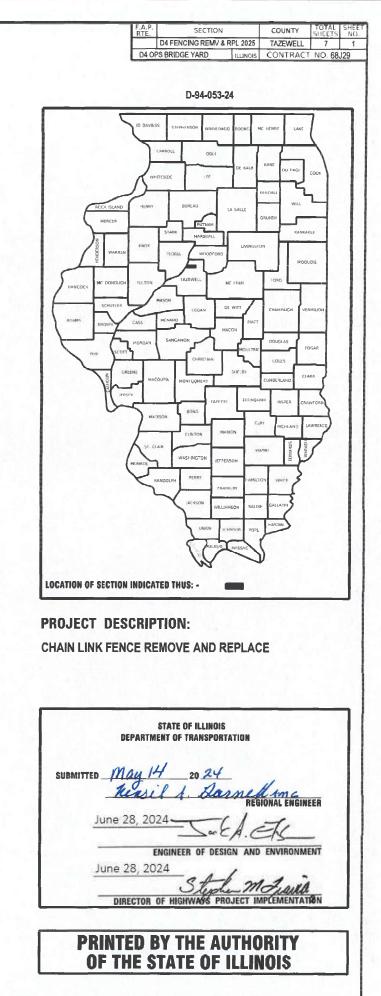
- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 PROPOSED PLANS
- 5-7 CHAIN LINK FENCE DETAILS

## STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

# PROPOSED HIGHWAY PLANS

D4 OPERATIONS BRIDGE YARD SECTION D4 FENCING REMV & RPL 2025 TAZEWELL COUNTY





REV 6/27/24REV. 6/3/24

### COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made. NO COMMITMENTS HAVE BEEN MADE FOR THIS PROJECT

### **UTILITIES - LOCATIONS / INFORMATION ON PLANS**

The locations of existing water mains, gas mains, sewers, electric power lines, telephone lines and other utilities as shown on the plans are based on careful field investigation and the best information available, but they are not guaranteed. Unless elevations are shown ---- all utility locations shown on the cross sections are based on the approximate depth supplied by the utility company. It shall be the Contractor's responsibility to ascertain their exact location from the utility companies and by field inspection.

### PLAN ELEVATIONS - U.S. G.S. MEAN SEA LEVEL DATUM

All elevations shown on the plans are established from U.S.G.S. mean sea level datum.

### **ENVIRONMENTAL REVIEWS**

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

The required environmental resource documentation shall include the following:

- \* BDE Form 2289 (Environmental Survey Request)
- \* A location map showing the size limits and location of the use area
- \* Signed property owner agreement form-D4 PI0100
- \* Color photographs depicting the use area
- \* Borrow Area Entry Agreement form-D4 PI0101

Please note that a minimum of two weeks shall be allowed for the District to obtain the required environmental clearances.

### NOTES:

- This project consists of removal of the existing chain link fence topped with barbed wire and replacement with new 6' chain link fencing with barbed wire, one 5' wide man gate and one 16' wide double swing access gate. The existing sliding gate at the parking lot entrance is to remain.
- The new fence will be constructed with a barbed wire support arm and barbed wire similar to the existing fence. 2.
- The contractor shall tie down the location of all existing fence corners prior to removal for use in laying out the 3 replacement fence.
- 4. The existing fence shall be fully removed from the site including all post foundations. Any holes that remain after the installation of the new fence due to the removal of post foundations shall be backfilled with pea gravel.
- All construction methods and materials will be consistent with details in these plans, and Section 664 CHAIN 5. LINK FENCE of the IDOT Standard Specifications for Road and Bridge Construction adopted January 1, 2022.
- 6. The fence is located outside the clear zone and shall have a TOP RAIL and BARBED WIRE TOP consistent with the plan details.

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				TAZEWELL COUNTY		
				COUNTY		
CODE	ITEM	UNIT	TOTAL	100% STATE		
NO.	1   EM	UNIT	QUANTITY	0044 URBAN		
				ONDAN		
66400305	CHAIN LINK FENCE 6'	FOOT	1840	1840		
66402800	CHAIN LINK GATES, 6' X 5' SINGLE	EACH	1	1		
66407800	CHAIN LINK GATES, 6' X 16' DOUBLE	EACH	1	1		
67100100	MOBILIZATION	L SUM	1	1		
X6640104	FENCE REMOVAL	FOOT	1861	1861		
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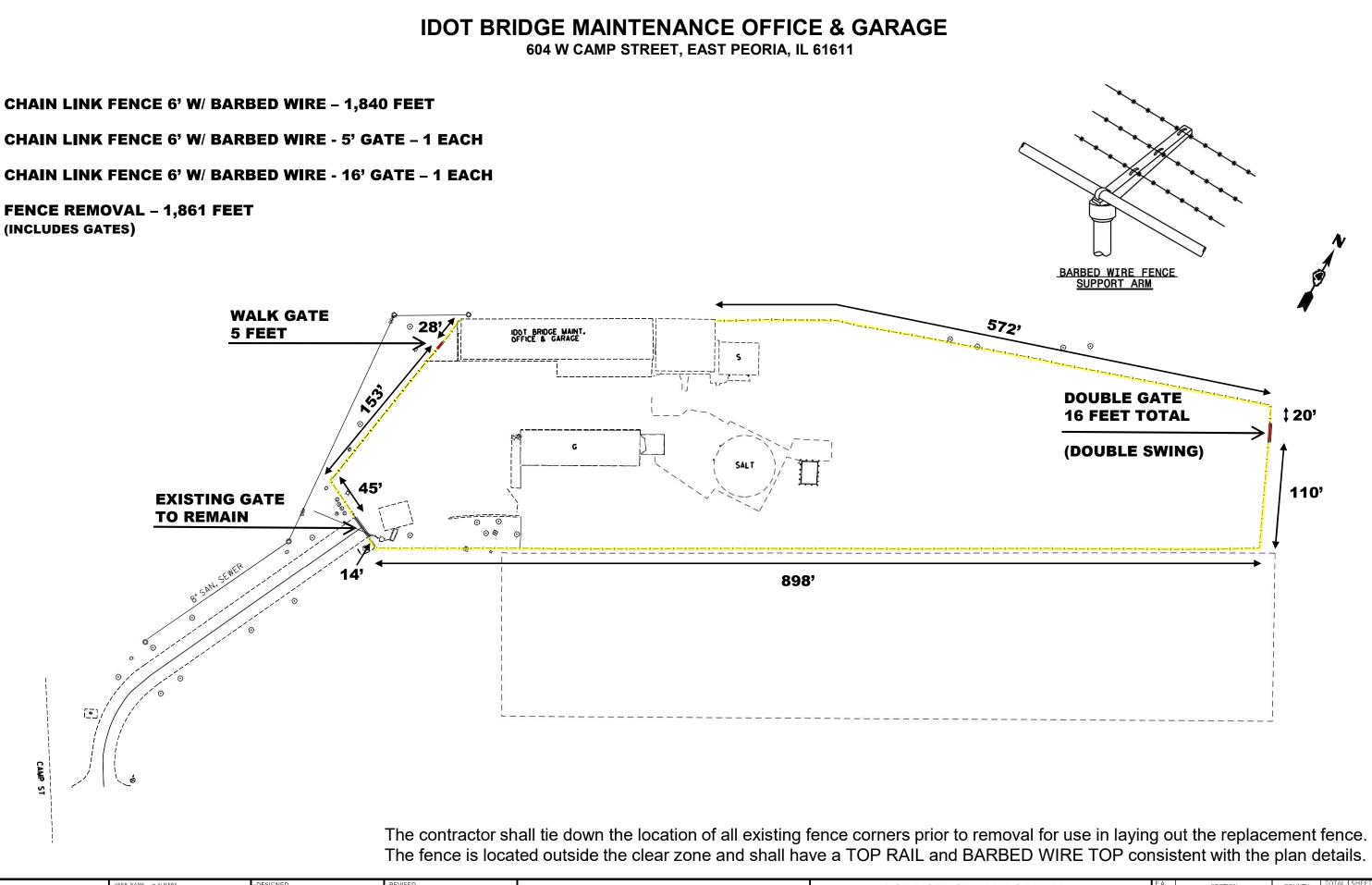
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UANTITIES					F.A.P. RTE	SEC	FION	COUNTY	TOTAL SHEETS	SHEET NO
U	JAN	IIIES				D4 FENCE REM	& REPL 2025	TAZEWELL	7	3
_					D4 OP	S BRIDGE YARD		CONTRACT	NO. 68	J29
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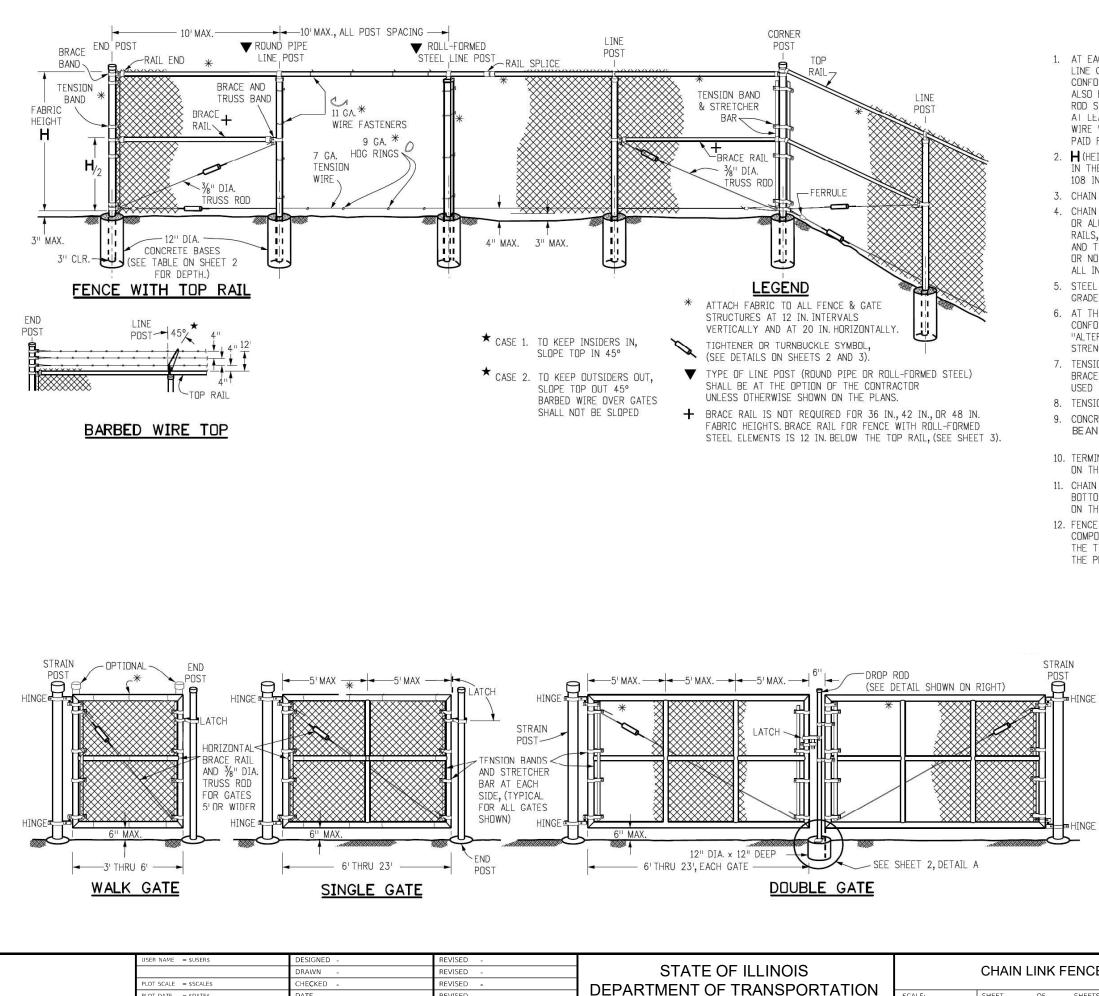
CHAIN LINK FENCE 6' W/ BARBED WIRE - 5' GATE - 1 EACH

CHAIN LINK FENCE 6' W/ BARBED WIRE - 16' GATE - 1 EACH

**FENCE REMOVAL – 1,861 FEET** (INCLUDES GATES)



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### GENERAL NOTES

1. AT EACH LOCATION WHERE AN ELECTRIC TRANSMISSION, DISTRIBUTION, OR SECONDARY LINE CROSSES A FENCE, THE CONTRACTOR SHALL FURNISH AND INSTALL A GROUND CONFORMING TO ARTICLE 250 OF THE NATIONAL ELECTRIC CODE. A GROUND SHALL ALSO BE INSTALLED A MAXIMUM OF EVERY 500 FT. ALONG THE FENCE. THE GROUND ROD SHALL BE A MINIMUM DIAMETER OF  $/_2$  IN. AND 8 FT. IN LENGTH, AND DRIVEN AI LEASI 1/2 FI. INTO THE GROUND. THE ROD SHALL BE CONNECTED TO EACH WIRE WITH A MINIMUM AWG ND. 8 STRANDED COPPER WIRE. GROUNDING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE FENCE.

2. H (HEIGHT OF FABRIC) SHALL BE AS SHOWN ON THE PLANS. FABRIC IS AVALIABLE IN THE FOLLOWING HEIGHTS: 36 IN., 42 IN., 48 IN., 60 IN., 72 IN., 84 IN., 96 IN., 108 IN., 120 IN., AND 144 IN.

3. CHAIN LINK FENCE SHALL CONFORM TO AASHTO M 181.

4. CHAIN LINK FABRIC SHALL BE 2 IN. MESH ND. 9 GAGE GALVANIZED

OR ALUMINUM COATED WIRE SECURELY FASTENED TO TENSION WIRE, LINE POSTS, RAILS, BRACES AND STRETCHER BARS SPACED AS SHOWN HEREON. WIRE FASTENERS AND TIE CLIPS SHALL BE NO. 11 GAGE (W&M) GALVANIZED STEEL WIRE OR NO. 7 GAGE (B&S) ALUMINUM WIRE, AND HOG RINGS SHALL BE NO. 9 GAGE, ALL IN CONFORMANCE WITH ASTM F 626.

5. STEEL POSTS, RAILS AND GATE FRAMES SHALL CONFORM TO AASHTO M 181 TYPE 1, GRADE 1 OR GRADE 2.

6. AT THE CONTRACTOR'S OPTION, PIPE USED FOR FENCE CONSTRUCTION SHALL CONFORM TO THE DIMENSIONS AND WEIGHTS FOR EITHER "ORDINARY PIPE" OR "ALTERNATIVE PIPE" AS SHOWN ON SHEET 2. "ALTERNATIVE PIPE" SHALL BE HIGH STRENGTH STEEL PIPE CONFORMING TO FEDERAL SPECIFICATION RR-F-191/3C.

7. TENSION WIRE SHALL BE CONTINUOUS BETWEEN END OR CORNER POST AND LINE BRACE POST. A TURNBUCKLE OR OTHER APPROVED TIGHTENING DEVICE SHALL BE USED FOR EACH CONTINUOUS SPAN OF TENSION WIRE.

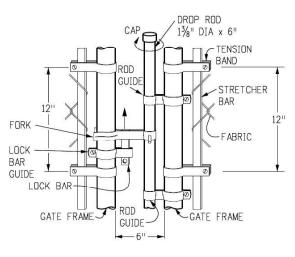
8. TENSION WIRE SHALL CONFORM TO AASHTO M 181.

9. CONCRETE FOOTINGS SHALL HAVE TOPS CROWNED AT GROUND LEVEL AND SHALL BE AN IDOT APPROVED CONCRETE MIX

10. TERMINATION OF FENCE AT BRIDGES OR OTHER STRUCTURES SHALL BE AS SHOWN ON THE PLANS.

11. CHAIN LINK FABRIC UP TO 5 FT. HIGH SHALL BE KNUCKLED AT THE TOP AND BOTTOM SELVAGES. FABRIC OVER 5 FT. HIGH SHALL BE TWISTED AND BARBED ON THE TOP SELVAGE AND KNUCKLED ON THE BOTTOM SELVAGE.

12. FENCE MAY BE CONSTRUCTED WITH EITHER ROUND PIPE OR ROLL-FORMED STEEL COMPONENTS. THE CONTRACTOR SHALL STATE AT THE PRECONSTRUCTION CONFERENCE, THE TYPE OF CONSTRUCTION AND TYPE OF LINE POST TO BE USED THROUGHOUT THE PROJECT.

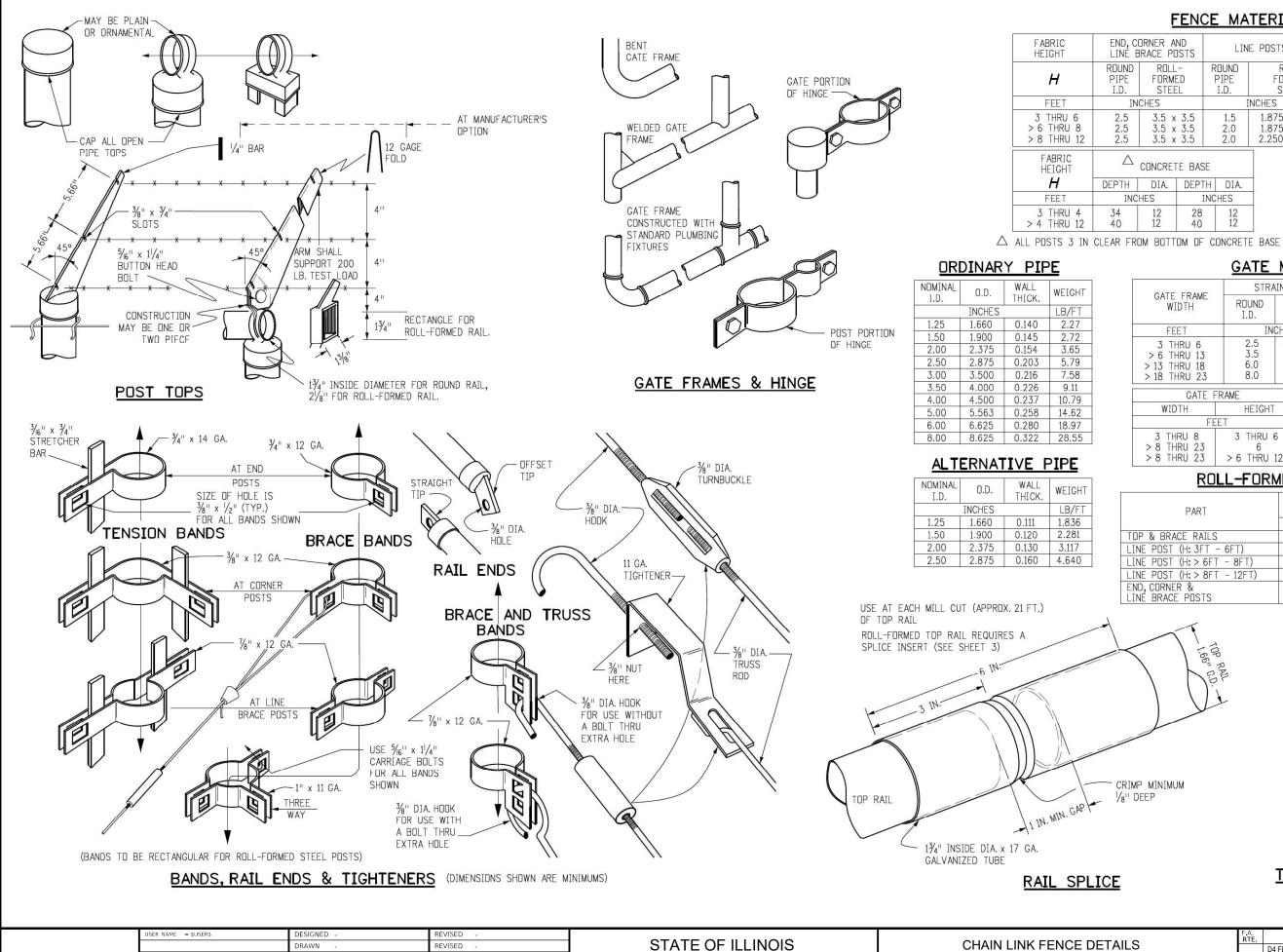


### TYPICAL DROP ROD ASSEMBLY

			F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			D4 FENCE REM & REPL 2025	TAZEWELL	7	5	
		D4 OF	S BRIDGE YARD	CONTRACT NO. 68J29			
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				F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	CHAIN LINK FENCE DETAILS						D4 FENCE REM & REPL 2025	TAZEWELL	7	6
						D4 OPS BRIDGE YARD		CONTRACT NO. 68J29		J29
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### FENCE MATERIAL

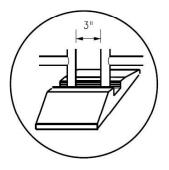
		ORNER A BRACE PO		LIN	E POSTS	TOP & BRACE RAILS			
,	ROUND PIPE I.D.	ROLL- FORMED STEEL		ROUND PIPE I.D.	ROLL- FORMED STEEL	ROUND PIPE I.D.	ROLL- FORMED STEEL		
,	IN	CHES	Ĩ	I	NCHES	INCHES			
6   8   12	2.5 2.5 2.5	2.5 3.5 x 3.5		1.5 2.0 2.0	1.875 x 1.625 1.875 x 1.625 2.250 x 1.625	1.25 1.25 1.25	1.25 x 1.625 1.25 x 1.625 1.25 x 1.625 1.25 x 1.625		
C T		CONCRET	e base						
	DEPTH	DIA.	DEPTH	DIA.					
	INCHES			CHES					
4	34 12 28			12					

### GATE MATERIAL

	12					
	STRA	IN PO	IST	$\triangle$	CONCR	ETE BASE
GATE FRAME WIDTH	ROUND I.D.	ROLL- FORMED		DEI	PTH	DIA.
FEET	IN	CHES			INCH	IES
3 THRU 6 > 6 THRU 13 > 13 THRU 18 > 18 THRU 23	2.5 3.5 6.0 8.0	3.5 × 3.5		36 42 48 48		12 12 18 24
GATE FR	AME		FRAME	PIPE	BRAC	ING PIPE
WIDTH	HEIGHT		1.D.		I.D.	
FÉE	Т		INCHES			
3 THRU 8 > 8 THRU 23 > 8 THRU 23	3 THRU ( 6 > 6 THRU	5 12	1.25 1.50 1.50	)		1.25 1.25 1.50

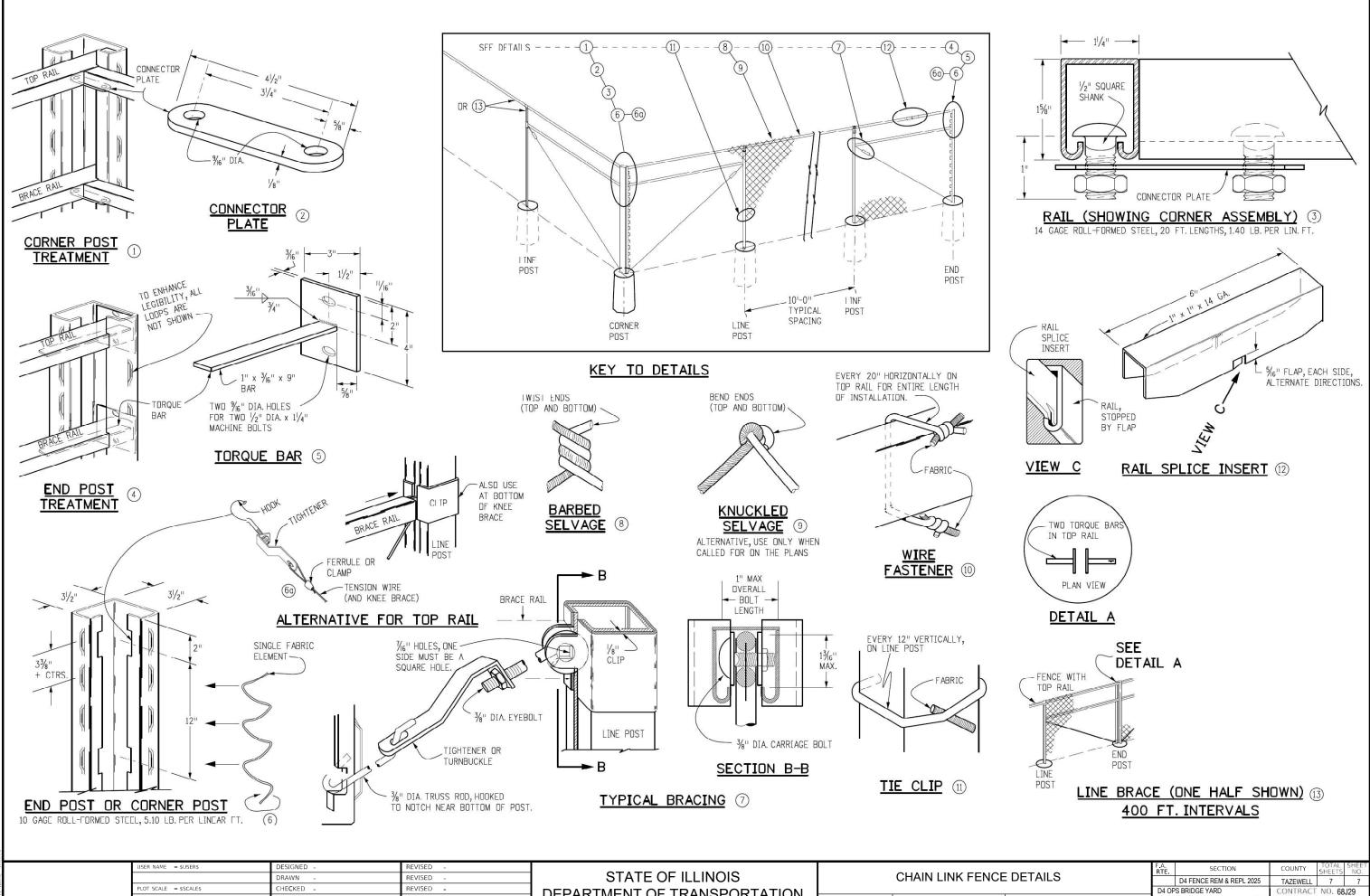
### ROLL-FORMED STEEL

PART	SIZE	THICK.	WEIGHT
	INCHES	GAGE	LB/FT
TOP & BRACE RAILS	1.250 x 1.625	14	2.08
LINE POST (H: 3FT - 6FT)	1.875 x 1.625	12	2.75
LINE POST (H: > 6FT - 8FT)	1.875 x 1.625	11	3.36
LINE POST (H: > 8FT - 12FT)	2.250 x 1.625	11	4.02
END, CORNER & LINE BRACE POSTS	3.50 x 3.50	10	7.59



DROP ROD IS OPTIONAL IF GATE FRAMES EXTEND DOWN TO CENTER REST. USE LATCH SHOWN FOR WALK OR SINGLE GATE.

### DETAIL A TYPICAL CENTER REST



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DEPARTMENT OF TRANSPORTATION

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CONTRACT NO. 68J29