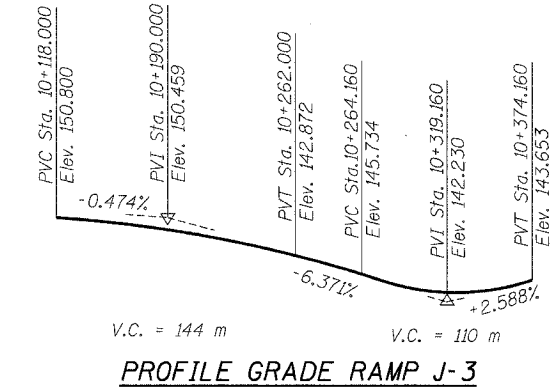


ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET
FAI 74	*	TAZEWELL	1366	624
SHEET NO. 2				
20 SHEETS				
FED. ROAD DIST. NO. 7				
ILLINOIS				
FED. AID PROJECT-				
*90-11HB-5				

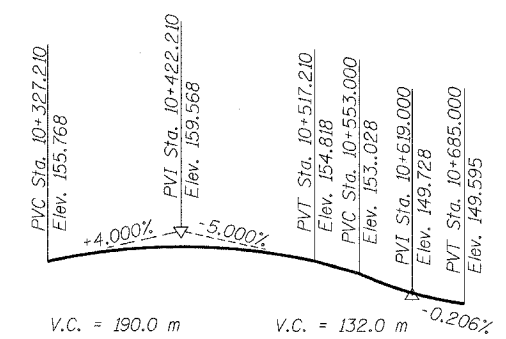
**GENERAL NOTES**

1. Reinforcement Bars shall conform to the requirements of AASHTO M-31M, or M-322M Grade 400.
2. See Special Provisions for installation and testing of Permanent Ground Anchors.
3. Shear Studs Shall be 19mm diameter x 200mm granular or solid flux filled headed studs automatically end welded to the front flange in field.
4. The geocomposite wall drain shall be constructed according to section 591 of the Standard Specifications. The contractor shall insure that the bottom, sides and the top edges are protected from soil entering or sealing the drain while placing the pervious fabric side of the drain toward the soil. Geocomposite wall drain shall be installed in stages as the excavation proceeds downward. Splicing should be minimized, following proper splice practices to insure no long term soil contamination.
5. The treated timber lagging shall conform to the requirements for 1600 F dense southern pine or 1700 F dense Douglas fir. All treated timber lagging shall be treated according to art. 1007.12(a)(2) of the Standard Specifications and each out edge of any timbers shall have those faces covered with additional treatment as required by the Engineer.
6. All dimensions are in millimeters (mm) except as noted.
7. All construction joints shall be bonded.

STATION 10+380  
 BUILT 200\_ BY  
 STATE OF ILLINOIS  
 FAI RTE 74  
 SECTION 90-11HB-5  
 STR. NO. 090-8513  
**NAME PLATE**  
 See Std. 515001



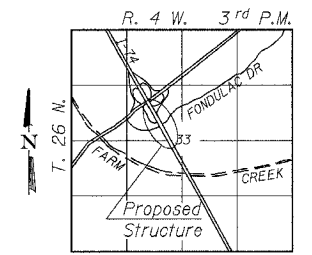
**PROFILE GRADE RAMP J-3**



**PROFILE GRADE RAMP K-2**

**TOTAL BILL OF MATERIAL**

Item	Unit	Quantity
Untreated Timber Lagging	m <sup>2</sup>	738
Treated Timber Lagging	m <sup>2</sup>	23
Concrete Structures	m <sup>3</sup>	410.8
Reinforcement Bars, Epoxy Coated	kg	38210
Drilling & Setting Soldier Piles	m <sup>3</sup>	506.8
Permanent Ground Anchors	Each	106
Furnishing Soldier Piles (Built up section)	m	587.4
Furnishing Soldier Piles (W section)	m	102.0
Geocomposite Wall Drain	m <sup>2</sup>	417
French Drains	m <sup>3</sup>	13
Name Plates	Each	1
Furnishing & Erecting Structural Steel	kg	3290
Stud Shear Connectors	Each	4546
Structure Excavation	m <sup>3</sup>	607
Lightweight Cellular Concrete Fill	m <sup>3</sup>	51.7
Form Liner Grid and Fin Surface	m <sup>2</sup>	907.0



**LOCATION SKETCH**

**CURVE DATA**

RAMP J-3		RAMP K-2	
Δ =	6°05'48.00"	Δ =	7°58'57.09"
R =	450.000 m	R =	580.000 m
T =	23.964 m	T =	40.469 m
L =	47.883 m	L =	80.806 m
E =	0.638 m	E =	1.410 m
PC =	10+204.232	PC =	10+423.959
PI =	10+228.196	PI =	10+481.535
PT =	10+252.115	PT =	10+504.765
SE =	6.2%	SE =	4.4%
Transition in:	10+177 to 10+218	Transition in:	10+385 to 10+443
Transition out:	10+237 to 10+283	Transition out:	10+486 to 10+544

**LIN ENGINEERING, LTD.**  
 20 N. CHESTNUT  
 CHATTAIN, ILLINOIS 63629  
 (271) 483-4838 FAX (271) 483-4706  
 Designed By: MTH Checked By: BFG Drawn By: JMD  
 Date: 09/02 File: r0402-50098513.dgn

REVISIONS
NAME

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**GENERAL NOTES**  
 RETAINING WALL 82  
 F.A.I. RTE. 74 (I-74)  
 SECTION 90-11HB-5  
 TAZEWELL COUNTY  
 RAMP K-2 STATION 10+378 TO 10+507  
 STRUCTURE NUMBER 090-8513