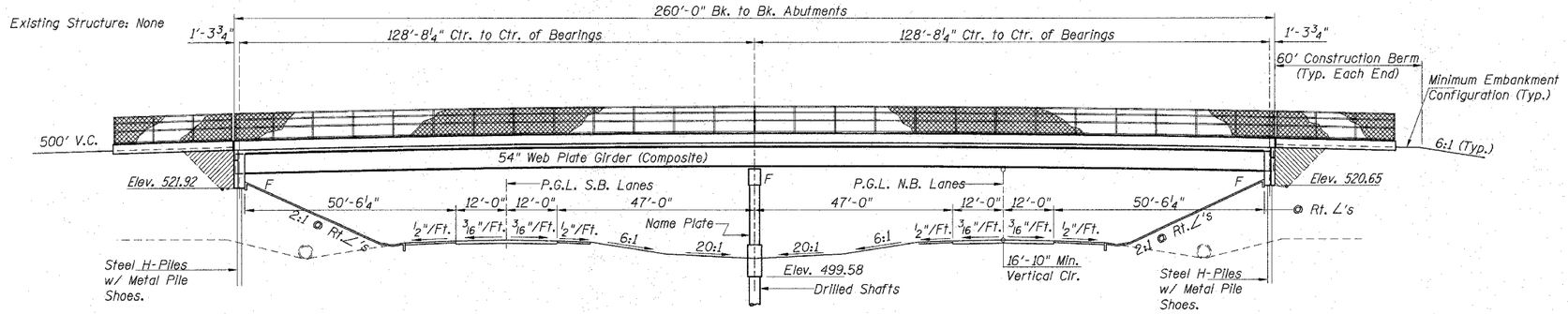
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/64	(41-3)HBK	JEFFERSON	518	271
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 98963

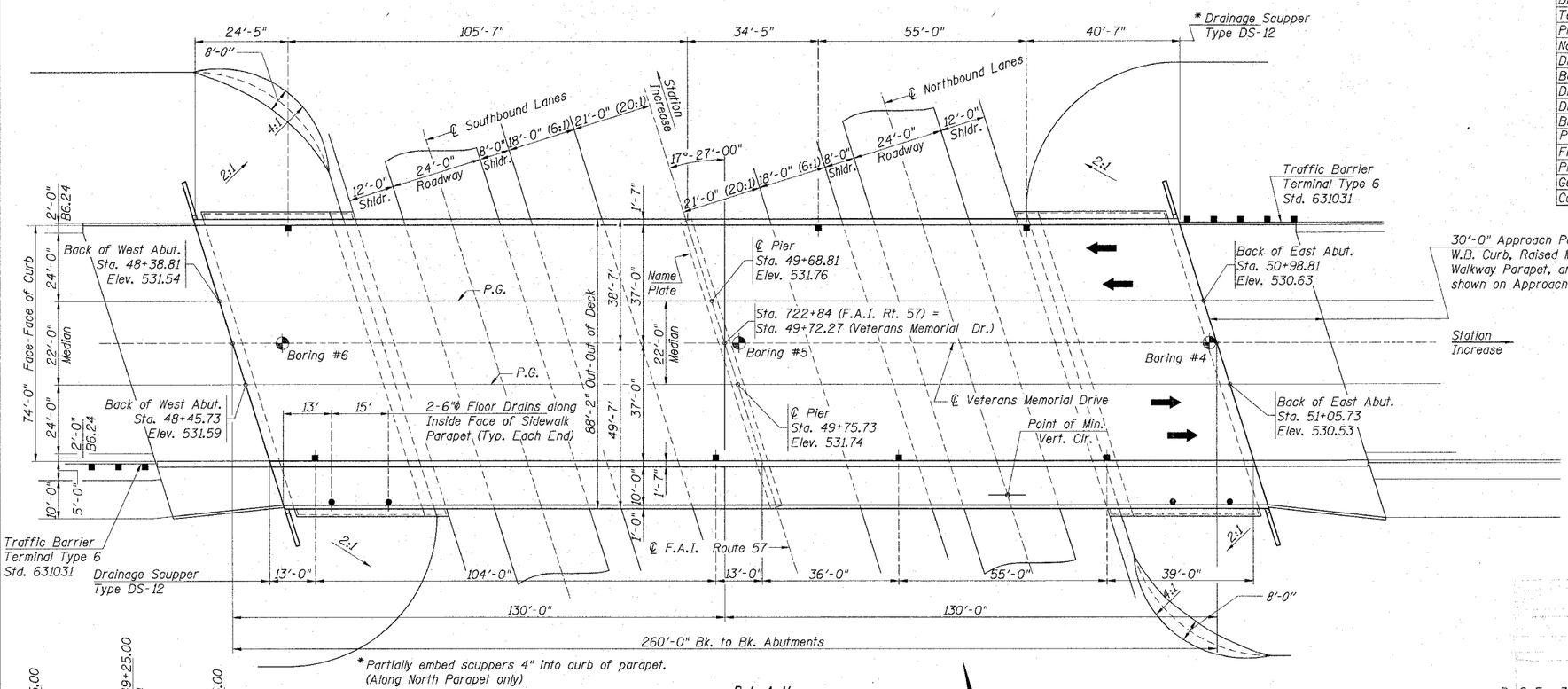
Sheet 1 of 25

Bench Mark Data: #9805-Top of Iron Pin, flush with ground, located 21.6 ft. east of centerline of Wells By-Pass, 7.9 ft. west of fence corner post, and 360 ft. north of Graham Road. Elev. 507.67

Existing Structure: None



ELEVATION



30'-0" Approach Pavement Special, with W.B. Curb, Raised Median, Roadway Parapet, Walkway Parapet, and reinforcement bars as shown on Approach Pavement Details Sheet.

STATION 49+72.27
BUILT BY
STATE OF ILLINOIS
SEC. (41-3)HBK
F.A.I. RTE. 57/64
LOADING HS20
STR. NO. 041-0108

NAME PLATE
See Std. 515001

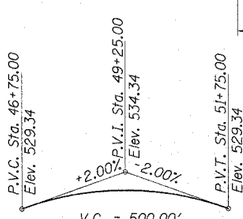
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.	-	496	496
Structure Excavation	Cu. Yd.	-	576	576
Concrete Structures	Cu. Yd.	-	285.8	285.8
Concrete Superstructure	Cu. Yd.	814.5	-	814.5
Bridge Deck Grooving	Sq. Yd.	1387	-	1387
Protective Coat	Sq. Yd.	2853	-	2853
Furnishing and Erecting Structural Steel	L. Sum	1	-	-
Stud Shear Connectors	Each	5280	-	5280
Reinforcement Bars, Epoxy Coated	Pound	195970	73440	269410
Reinforcement Bars	Pound	-	4970	4970
Slopewall 4 Inch	Sq. Yd.	-	971	971
Furnishing Steel Piles HP 12x84	Foot	-	990	990
Driving Piles	Foot	-	990	990
Test Pile Steel HP 12x84	Each	-	2	2
Pile Shoes	Each	-	24	24
Name Plates	Each	1	-	1
Drainage Scupper, DS-12	Each	7	-	7
Bar Splicers	Each	174	-	174
Drilled Shaft in Soil	Cu. Yd.	-	68.4	68.4
Drilled Shaft in Rock	Cu. Yd.	-	16.3	16.3
Bridge Fence Railing	Foot	260	-	260
Parapet Railing	Foot	260	-	260
Floor Drains	Each	4	-	4
Pipe Underdrains for Structures 4"	Foot	-	311	311
Geocomposite Wall Drain	Sq. Yd.	-	187	187
Concrete Encasement	Cu. Yd.	-	8.4	8.4

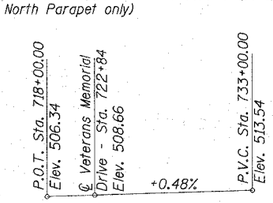
JEFFREY J. TATARSKI
001-060596
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS
SPRINGFIELD, ILLINOIS

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

SIGNATURE:
DATE SIGNED: 3/21/07
LISC. EXP. DATE: 11/30/08



PROFILE GRADE
VETERANS MEMORIAL DR.
(Along median edge of roadway)



EXISTING PROFILE GRADE - F.A.I. ROUTE 57
(At E.O.P.- From Construction Plans)

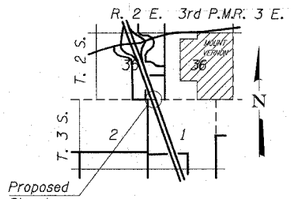
PLAN

DESIGN SPECIFICATIONS
2002 AASHTO

DESIGN STRESSES
fc' = 3,500 p.s.i.
fy = 60,000 p.s.i. (Reinforcement)
fy = 50 K.s.i. (AASHTO M 270, Gr. 50)
fy = 36 K.s.i. (AASHTO M 270, Gr. 36)

LOADING HS20-44
Allow for 50 lbs./sq.ft. for future wearing surface

SEISMIC DATA
Seismic Performance Category = B
Bedrock Acceleration Coefficient (A) = 0.10g
Site Coefficient (S) = 1.0



LOCATION SKETCH

GENERAL PLAN and ELEVATION
VETERANS MEMORIAL DR. over F.A.I. ROUTES 57/64
SECTION (41-3)HBK
JEFFERSON COUNTY
STATION 49+72.27
STRUCTURE NO. 041-0108

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HANSON

JOB NO. 98S2019A
DATE 03-14-07

March 2007 Submittal

LAYOUT	MMM	03/12/07	
DRAWN	DJB	03/12/07	
REVIEWED		/ /	
LAYOUT	GRB	02/02/04	
DRAWN	Rxd	02/02/04	
REVIEWED	TEH	02/02/04	

3/21/2007
I:\98JOBS\98s2019\Struct\Sheet\Final Plans 03-18-07\FP-001.dgn