

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

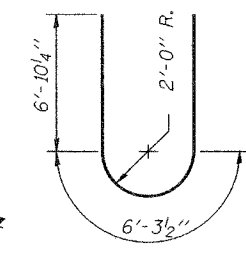
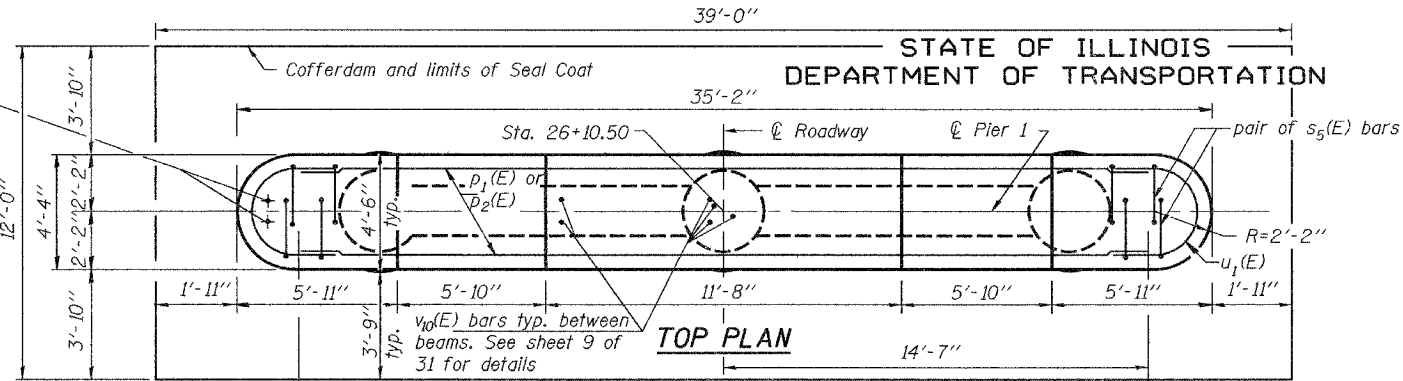
ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO.
F.A.P. 627	(J)BR	LASALLE	69	38
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

Contract #66556

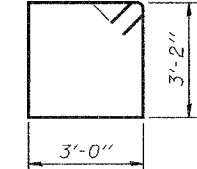
SHEET NO. 21

31 SHEETS

1/2" φ x 18" Anchor bolts typ. each end. See sheet 9 of 31 for location & sheet 17 of 31 for details.

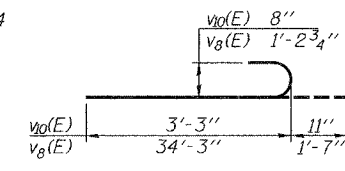


BAR u₁(E)



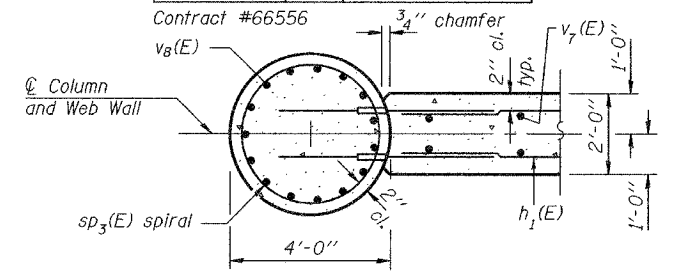
BAR s₅(E)

BARS u₂(E)

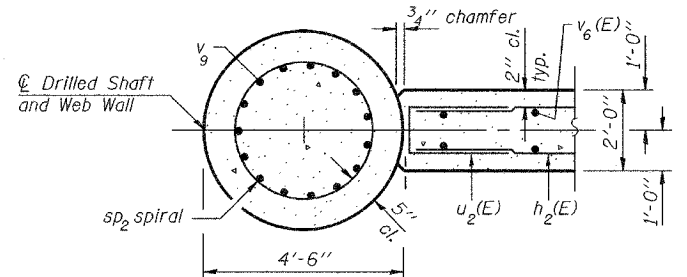


BARS v₈(E) & v₁₀(E)

MINIMUM BAR LAP
#11 bar = 9'-0"



SECTION A-A



SECTION B-B

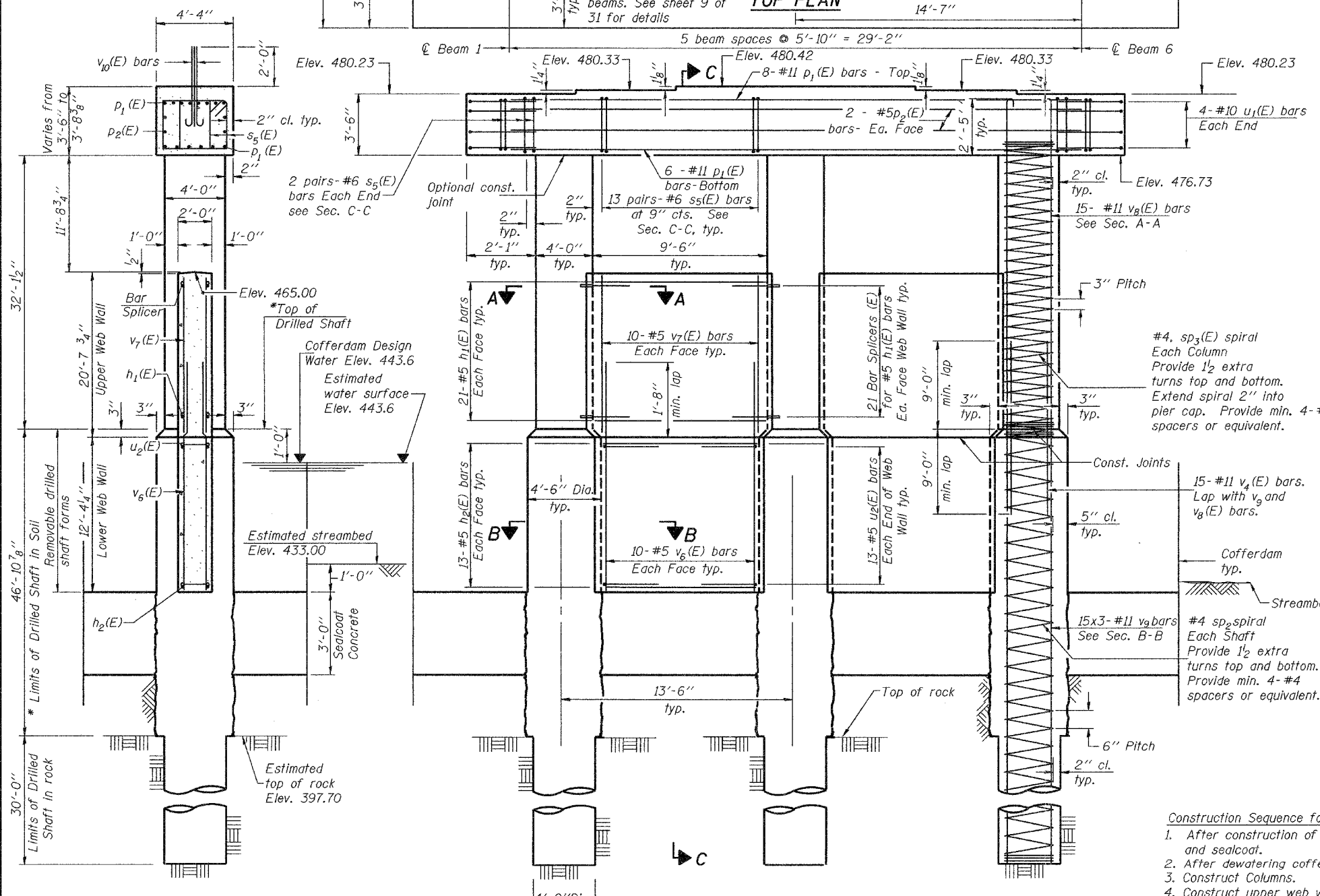
BILL OF MATERIAL

Bar No.	Size	Length	Shape
h ₁ (E)	84	#5	9'-3"
h ₂ (E)	52	#5	8'-9"
p ₁ (E)	14	#11	30'-10"
p ₂ (E)	4	#5	30'-10"
s ₅ (E)	60	#6	13'-3"
u ₁ (E)	8	#10	20'-0"
u ₂ (E)	52	#5	5'-0"
sp ₂	3	#4	76'-11"
sp ₃ (E)	3	#4	32'-4"
v ₄ (E)	45	#11	18'-0"
v ₅ (E)	40	#5	14'-0"
v ₇ (E)	40	#5	20'-4"
v ₈ (E)	45	#11	35'-10"
v ₉	135	#11	31'-7"
v ₁₀ (E)	32	#8	4'-2"
Cofferdam (Location 2)	Each	1	
Drilled Shaft in Soil	Foot	140.7	
Drilled Shaft in Rock	Foot	90.0	
Concrete Structures	Cu. Yd.	110.1	
Reinforcement Bars, Epoxy Coated	Pound	23,760	
Reinforcement Bars	Pound	26,520	
Bar Splicers	Each	168	
Cofferdam Excavation	Cu. Yd.	69	
Seal Coat Concrete	Cu. Yd.	52.0	

Reinforcement Bars designated (E) shall be epoxy coated.
Bars indicated thus 15 x 3 - #11 etc. indicates 15 lines of bars with 3 lengths per line. Cast steps monolithically with cap. Space cap reinforcement to miss anchor bolts. Minimum lap for spirals = 1 1/2 turns
** Length is height of spiral.
*** Weight includes spacers for spirals

PIER 2

F.A.P. ROUTE 627 - SECTION (J)BR
LASALLE COUNTY
STATION 26+61.50
STRUCTURE NO. 050-0242



ELEVATION
(Looking East)

Construction Sequence for Web Wall:

1. After construction of drilled shafts, construct cofferdam and sealcoat.
2. After dewatering cofferdam, construct lower web walls.
3. Construct Columns.
4. Construct upper web walls.

* If the prevailing water surface elevation during construction is consistently different than estimated on the plans, the contractor may propose an adjustment to the top of the drilled shaft elevation as part of their installation procedure. The top of all drilled shafts within a substructure unit shall be constructed to the same elevation and extend above the prevailing water surface. The quantities and reinforcement detailing are based on the top of shaft and the estimated elevations shown and may change based on the actual elevations encountered at each shaft and the final top of shaft elevation.

SECTION C-C

DESIGNED	M.D.S.
CHECKED	D.H.C.
DRAWN	W.D.C.
CHECKED	M.D.S./S.M.R.

February 3, 2006
EXAMINED *Thomas J. Domagalaki*
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES