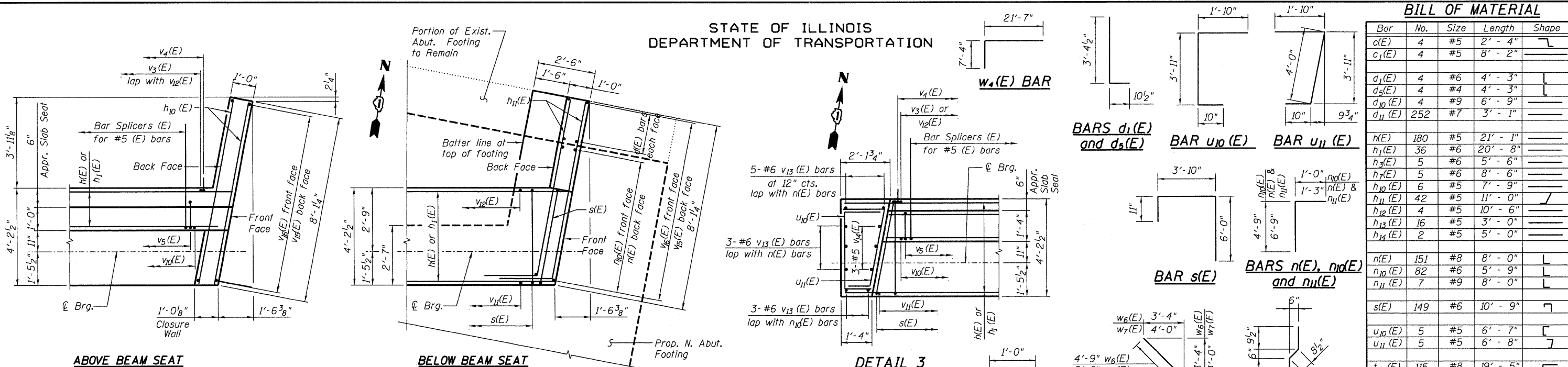


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

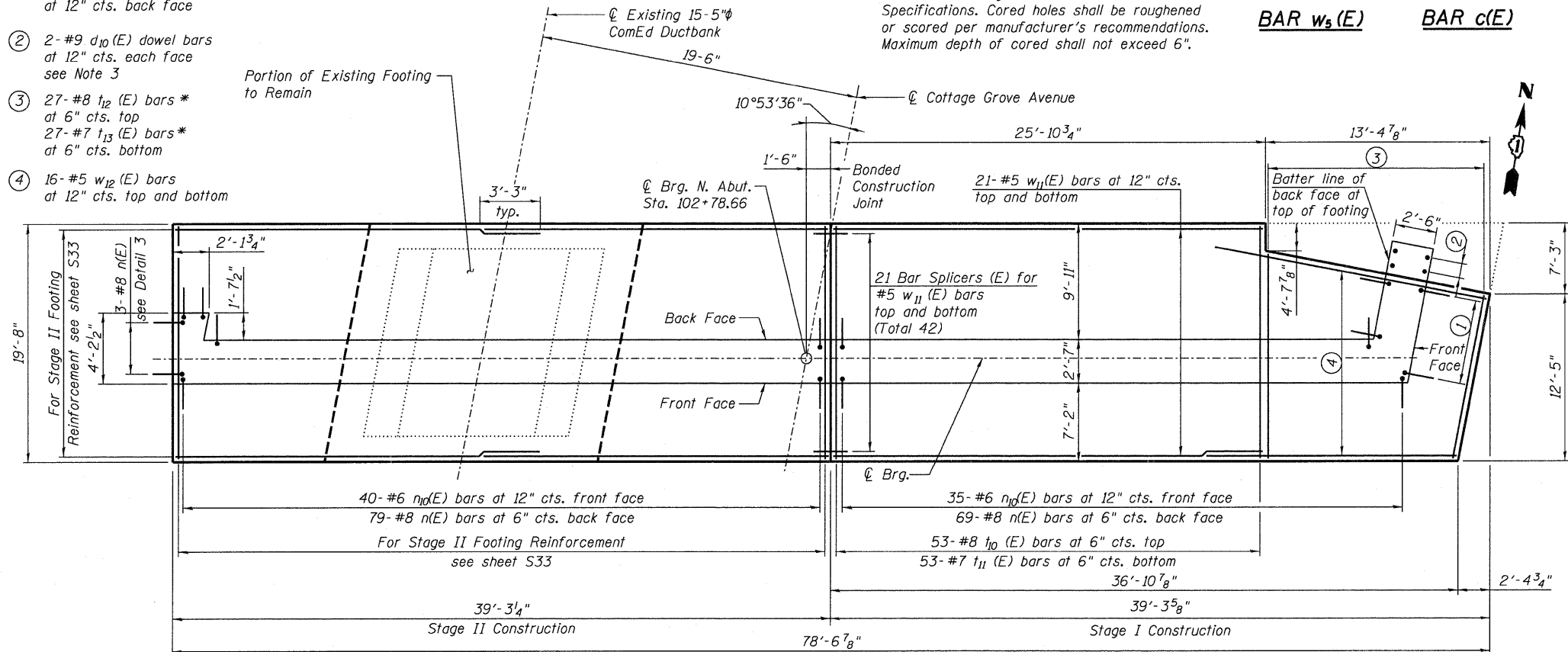


BILL OF MATERIAL

Bar	No.	Size	Length	Shape
c(E)	4	#5	2' - 4"	
c <sub>1</sub> (E)	4	#5	8' - 2"	
d <sub>1</sub> (E)	4	#6	4' - 3"	
d <sub>5</sub> (E)	4	#4	4' - 3"	
d <sub>10</sub> (E)	4	#9	6' - 9"	
d <sub>11</sub> (E)	252	#7	3' - 1"	
h(E)	180	#5	21' - 1"	
h <sub>1</sub> (E)	36	#6	20' - 8"	
h <sub>3</sub> (E)	5	#6	5' - 6"	
h <sub>7</sub> (E)	5	#6	8' - 6"	
h <sub>10</sub> (E)	6	#5	7' - 9"	
h <sub>11</sub> (E)	42	#5	11' - 0"	
h <sub>12</sub> (E)	4	#5	10' - 6"	
h <sub>13</sub> (E)	16	#5	3' - 0"	
h <sub>14</sub> (E)	2	#5	5' - 0"	
n(E)	151	#8	8' - 0"	
n <sub>10</sub> (E)	82	#6	5' - 9"	
n <sub>11</sub> (E)	7	#9	8' - 0"	
s(E)	149	#6	10' - 9"	
u <sub>10</sub> (E)	5	#5	6' - 7"	
u <sub>11</sub> (E)	5	#5	6' - 8"	
t <sub>1</sub> (E)	115	#8	19' - 5"	
t <sub>2</sub> (E)	18	#8	14' - 2"	
t <sub>3</sub> (E)	34	#7	5' - 1"	
t <sub>4</sub> (E)	76	#7	11' - 11"	
t <sub>5</sub> (E)	24	#6	11' - 7"	
t <sub>10</sub> (E)	132	#8	19' - 4"	
t <sub>11</sub> (E)	132	#7	19' - 4"	
t <sub>12</sub> (E)	27	#8	14' - 8"	
t <sub>13</sub> (E)	27	#7	14' - 8"	
v <sub>3</sub> (E)	74	#5	5' - 1"	
v <sub>4</sub> (E)	74	#5	2' - 11"	
v <sub>5</sub> (E)	74	#4	4' - 7"	
v <sub>9</sub> (E)	8	#5	1' - 0"	
v <sub>10</sub> (E)	74	#4	5' - 3"	
v <sub>11</sub> (E)	74	#6	20' - 1"	
v <sub>12</sub> (E)	144	#6	18' - 6"	
v <sub>13</sub> (E)	11	#6	24' - 9"	
v <sub>14</sub> (E)	3	#5	6' - 2"	
v <sub>15</sub> (E)	9	#7	22' - 4"	
v <sub>16</sub> (E)	9	#5	22' - 4"	
v <sub>17</sub> (E)	32	#5	7' - 0"	
w <sub>1</sub> (E)	48	#5	12' - 0"	
w <sub>2</sub> (E)	21	#5	10' - 3"	
w <sub>3</sub> (E)	6	#5	18' - 9"	
w <sub>4</sub> (E)	21	#5	28' - 11"	
w <sub>5</sub> (E)	12	#5	9' - 8"	
w <sub>6</sub> (E)	16	#5	8' - 5"	
w <sub>7</sub> (E)	16	#5	18' - 0"	
w <sub>8</sub> (E)	22	#5	10' - 2"	
w <sub>11</sub> (E)	42	#5	25' - 7"	
w <sub>12</sub> (E)	32	#5	16' - 7"	
Porous Granular Embankment, Special		Cu. Yd.	252	
Structure Excavation		Cu. Yd.	1,420	
Concrete Structures		Cu. Yd.	367.5	
Concrete Superstructure		Cu. Yd.	6.4	
Reinforcement Bars, Epoxy Coated		Pound	50,010	
Bar Splicers (E)		Each	173	
Concrete Sealer		Sq. Ft.	523	
Geocomposite Wall Drain		Sq. Yd.	186	
Pipe underdrain for structures, 4" dia.		Foot	84	

- 7-#6 n<sub>10</sub>(E) bars at 12" cts. front face  
7-#9 n<sub>11</sub>(E) bars at 12" cts. back face
- 2-#9 d<sub>10</sub>(E) dowel bars at 12" cts. each face see Note 3
- 27-#8 t<sub>12</sub>(E) bars \* at 6" cts. top  
27-#7 t<sub>13</sub>(E) bars \* at 6" cts. bottom
- 16-#5 w<sub>12</sub>(E) bars at 12" cts. top and bottom

\* Cut in field as required  
\*\* Bend in field as required  
\*\*\* In lieu of bottom leg, c(E) bars may be cored and set according to Article 509.06 of Standard Specifications. Cored holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of cored shall not exceed 6".



FOOTING PLAN

- Notes:
- Work this sheet with sheets S33 thru S35.
  - For location of Details 1 and 3 see sheet S33.
  - Drill and Grout Dowel Bars should comply with requirements of Section 584 of Standard Specification. Cost included with Reinforcement Bars, Epoxy Coated.

DESIGNED	EV
CHECKED	PC
DRAWN	JCP
CHECKED	JPO

**SEPSTEIN**  
600 WEST FULTON STREET  
CHICAGO, ILLINOIS 60661-1259  
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FAX 312 559 1217  
WEB www.sepsteinglobal.com

SHEET NO. S36	F.A.I. RTE. 94	SECTION 1314B-1	COUNTY COOK	TOTAL SHEETS 110	SHEET NO. 72
S52 SHEETS	CONTRACT NO. 60F65		ILLINOIS FED. AID PROJECT		

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