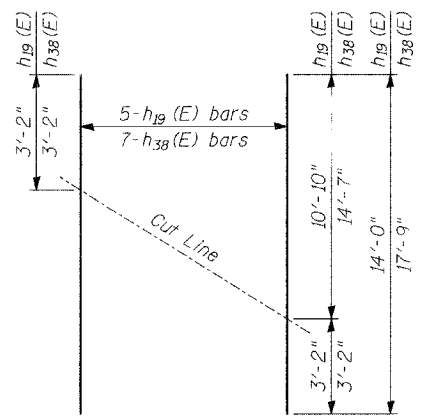


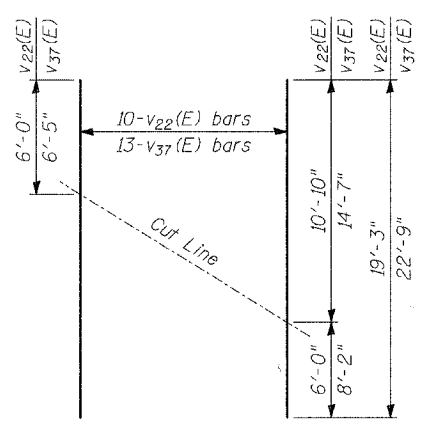
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1545	*	DUPAGE	97	49
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 83961	
00-00115-00-BR		39 - SHEETS		



FIELD CUTTING DIAGRAM

Order $h_{19}(E)$ and $h_{38}(E)$ bars full length. Cut to fit and use the remainder of bars in opposite face.



FIELD CUTTING DIAGRAM

Order $v_{22}(E)$ and $v_{37}(E)$ bars full length. Cut to fit and use the remainder of bars in opposite face.

**WEST ABUTMENT
BILL OF MATERIAL**

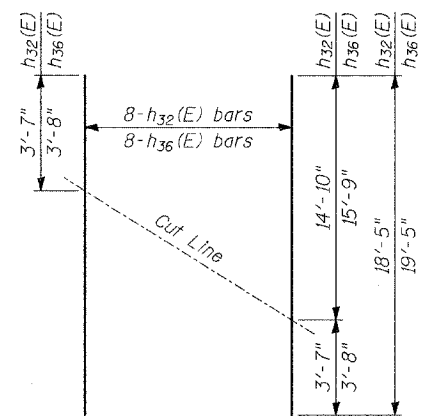
Bar	No.	Size	Length	Shape
$d_2(E)$	46	#5	3'-3"	—
$d_{10}(E)$	6	#4	2'-0"	┘
$d_{11}(E)$	369	#5	2'-2"	┘
$e_{30}(E)$	6	#4	23'-4"	—
$h_{10}(E)$	22	#6	12'-2"	—
$h_{11}(E)$	3	#5	12'-2"	—
$h_{12}(E)$	5	#5	11'-2"	—
$h_{13}(E)$	18	#5	21'-0"	—
$h_{14}(E)$	26	#6	21'-3"	—
$h_{15}(E)$	22	#6	3'-7"	—
$h_{16}(E)$	10	#6	28'-6"	—
$h_{17}(E)$	64	#5	4'-3"	┘
$h_{18}(E)$	14	#5	12'-8"	—
$h_{19}(E)$	5	#5	14'-0"	—
$h_{20}(E)$	5	#5	3'-8"	┘
$h_{21}(E)$	6	#5	2'-7"	—
$h_{22}(E)$	3	#5	3'-7"	—
$h_{30}(E)$	8	#5	23'-4"	—
$h_{31}(E)$	6	#5	21'-1"	—
$h_{33}(E)$	8	#5	2'-8"	—
$h_{34}(E)$	6	#5	5'-7"	┘
$h_{38}(E)$	7	#5	17'-9"	—
$h_{39}(E)$	2	#5	18'-6"	—
$n_{10}(E)$	15	#7	6'-0"	┘
$n_{11}(E)$	67	#7	4'-5"	—
$n_{12}(E)$	14	#9	8'-3"	┘
$p_{31}(E)$	7	#5	3'-6"	—
$s_{11}(E)$	8	#5	11'-7"	┘
$s_{30}(E)$	5	#4	10'-5"	┘
sp_1	1	#4	8'-6"	⋈
sp_2	1	#4	10'-4"	⋈
$t_{10}(E)$	18	#6	7'-2"	—
$v_{11}(E)$	58	#5	8'-1"	┘
$v_{13}(E)$	56	#4	3'-11"	—
$v_{14}(E)$	56	#4	2'-9"	┘
$v_{15}(E)$	56	#5	2'-6"	—
$v_{16}(E)$	56	#4	2'-8"	—

**WEST ABUTMENT
BILL OF MATERIAL CONT.**

Bar	No.	Size	Length	Shape
$v_{17}(E)$	74	#7	10'-4"	—
v_{19}	14	#9	11'-10"	—
$v_{20}(E)$	4	#5	6'-10"	—
$v_{21}(E)$	8	#5	13'-3"	—
$v_{22}(E)$	10	#5	16'-10"	—
v_{23}	14	#9	10'-0"	—
$v_{36}(E)$	8	#5	14'-1"	—
$v_{37}(E)$	13	#5	22'-9"	—
$v_{38}(E)$	16	#5	7'-6"	—
$w_{10}(E)$	16	#5	7'-11"	—
Structure Excavation		Cu Yd	134	
Rock Excavation for Structures		Cu Yd	2	
Concrete Structures		Cu Yd	63.8	
Reinforcement Bars, Epoxy Coated		Pound	9,580	
Reinforcement Bars		Pound	1,200	
Bridge Seat Sealer		Sq Ft	100	
Geocomposite Wall Drain		Sq Yd	52	
Drilled Shaft in Soil		Cu Yd	2.7	
Drilled Shaft in Rock		Cu Yd	0.5	
Porous Granular Embankment, Special		Cu Yd	69	
Bar Splicers		Each	92	
Permanent Casing		Foot	15	

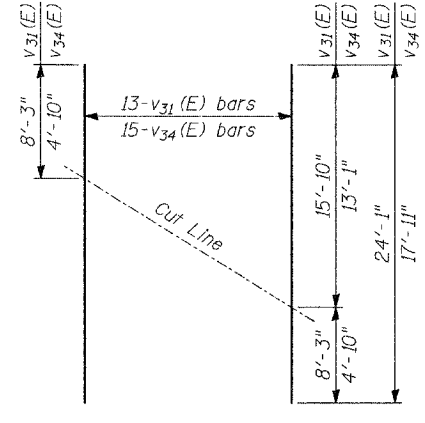
Min. lap for spirals = 1'-8".

*** Length is height of spiral.



FIELD CUTTING DIAGRAM

Order $h_{32}(E)$ and $h_{36}(E)$ bars full length. Cut to fit and use the remainder of bars in opposite face.



FIELD CUTTING DIAGRAM

Order $v_{31}(E)$ and $v_{34}(E)$ bars full length. Cut to fit and use the remainder of bars in opposite face.

**EAST ABUTMENT
BILL OF MATERIAL**

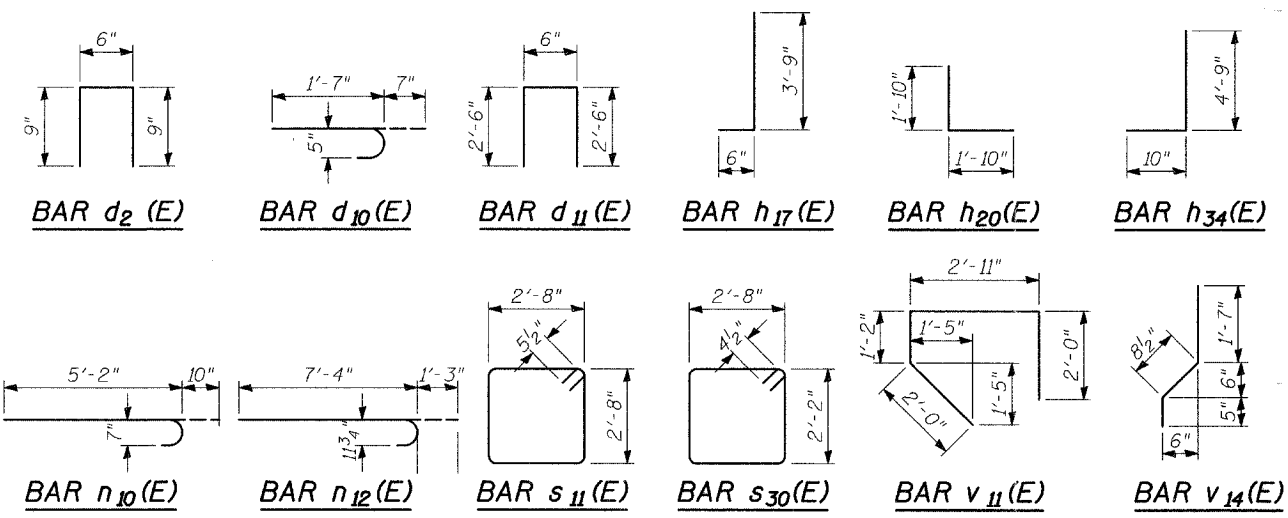
Bar	No.	Size	Length	Shape
$d_2(E)$	50	#5	3'-3"	—
$d_{10}(E)$	6	#4	2'-0"	┘
$d_{11}(E)$	410	#5	2'-2"	┘
$d_{12}(E)$	4	#5	5'-6"	┘
$e_{30}(E)$	6	#4	23'-4"	—
$h_{10}(E)$	24	#6	12'-2"	—
$h_{11}(E)$	3	#5	12'-2"	—
$h_{12}(E)$	6	#5	11'-2"	—
$h_{13}(E)$	18	#5	21'-0"	—
$h_{14}(E)$	28	#6	21'-3"	—
$h_{15}(E)$	24	#6	3'-7"	—
$h_{16}(E)$	10	#6	28'-6"	—
$h_{17}(E)$	68	#5	4'-3"	┘
$h_{21}(E)$	6	#5	2'-7"	—
$h_{22}(E)$	3	#5	3'-7"	—
$h_{30}(E)$	14	#5	23'-4"	—
$h_{31}(E)$	12	#5	21'-1"	—
$h_{32}(E)$	8	#5	18'-5"	—
$h_{33}(E)$	12	#5	2'-8"	—
$h_{34}(E)$	12	#5	5'-7"	┘
$h_{35}(E)$	2	#5	19'-1"	—
$h_{36}(E)$	8	#5	19'-5"	—
$h_{37}(E)$	2	#5	20'-0"	—
$n_{10}(E)$	23	#7	6'-0"	┘
$n_{11}(E)$	67	#7	4'-5"	—
$n_{12}(E)$	56	#9	8'-3"	┘
$p_{30}(E)$	7	#5	5'-5"	—
$p_{31}(E)$	7	#5	3'-6"	—
$s_{30}(E)$	12	#4	10'-5"	┘
sp	2	#4	18'-3"	⋈
sp_3	1	#4	10'-10"	⋈
sp_4	1	#4	27'-9"	⋈

**EAST ABUTMENT
BILL OF MATERIAL CONT.**

Bar	No.	Size	Length	Shape
$t_{10}(E)$	18	#6	7'-2"	—
$v_{10}(E)$	74	#7	11'-8"	—
$v_{11}(E)$	58	#5	8'-1"	┘
$v_{13}(E)$	56	#4	3'-11"	—
$v_{14}(E)$	56	#4	2'-9"	┘
$v_{15}(E)$	56	#5	2'-6"	—
$v_{16}(E)$	56	#4	2'-8"	—
v_{18}	28	#9	17'-10"	—
v_{24}	14	#9	10'-6"	—
v_{25}	14	#9	27'-5"	—
$v_{30}(E)$	16	#5	7'-6"	—
$v_{31}(E)$	13	#5	24'-1"	—
$v_{32}(E)$	8	#5	17'-2"	—
$v_{33}(E)$	8	#5	14'-5"	—
$v_{34}(E)$	15	#5	17'-11"	—
$v_{35}(E)$	12	#5	4'-9"	—
$w_{10}(E)$	16	#5	7'-11"	—
Structure Excavation		Cu Yd	143	
Rock Excavation for Structures		Cu Yd	6	
Concrete Structures		Cu Yd	73.7	
Reinforcement Bars, Epoxy Coated		Pound	11,850	
Reinforcement Bars		Pound	4,080	
Bridge Seat Sealer		Sq Ft	100	
Geocomposite Wall Drain		Sq Yd	60	
Drilled Shaft in Soil		Cu Yd	12.1	
Drilled Shaft in Rock		Cu Yd	1.0	
Porous Granular Embankment, Special		Cu Yd	79	
Bar Splicers		Each	94	
Permanent Casing		Foot	67	

Min. lap for spirals = 1'-8".

*** Length is height of spiral.



TYLIN INTERNATIONAL

DESIGNED	- PL,SNB
CHECKED	- SP
DRAWN	- SNB
CHECKED	- SP

WEST AND EAST ABUTMENT REINFORCING

BAILEY ROAD OVER THE
WEST BRANCH OF THE DUPAGE RIVER
FAU 1545
SECTION 00-00115-00-BR STA. 2+99.15
DUPAGE COUNTY
S.N. 022-3028