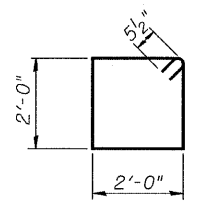


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

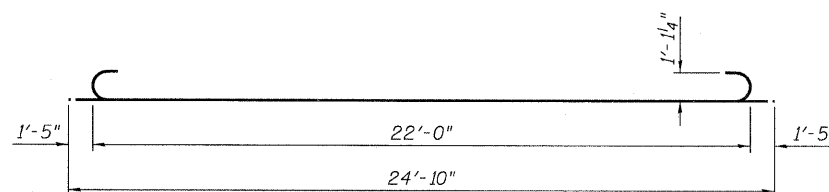
**BILL OF MATERIAL**

STATION	APPROX. EXIST. GROUND ELEV. @ PIPE	TOP OF SLAB ELEV.	SLAB THICKNESS (in.)	TOP OF PILE ELEV.	PILE LENGTH	PILE SPACING	LONGITUDINAL REINFORCEMENT
1249+00.00	607.0	605.0	26	603.5	29.50	6.25	18x3- #4 h150 BARS @ 12" CTS. SLAB (TOP & BOT.) 4x3- #7 h151 BARS TOP & BOT. (EACH EDGE BEAM)
1249+50.00	607.0	605.0	26	603.5	29.50	6.25	
* 1250+00.00	607.0	606.0	26	604.5	30.50	6.25	18x3- #4 h150 BARS @ 12" CTS. SLAB (TOP & BOT.) 4x3- #7 h151 BARS TOP & BOT. (EACH EDGE BEAM)
1250+50.00	607.0	606.0	26	604.5	30.50	6.25	
* 1251+00.00	607.0	607.0	30	605.5	31.50	5.00	18x6- #4 h152 BARS @ 12" CTS. SLAB (TOP & BOT.) 4x6- #7 h153 BARS TOP & BOT. (EACH EDGE BEAM)
1251+50.00	607.0	607.0	30	605.5	31.50	5.00	
1252+00.00	607.0	607.0	30	605.5	31.50	5.00	
* 1252+50.00	607.0	607.0	30	605.5	31.50	5.00	
* 1253+00.00	607.0	607.0	26	605.5	31.50	6.25	18x9- #4 h152 BARS @ 12" CTS. SLAB (TOP & BOT.) 4x9- #7 h153 BARS TOP & BOT. (EACH EDGE BEAM)
1253+50.00	607.0	607.0	26	605.5	31.50	6.25	
1254+00.00	607.0	607.0	26	605.5	31.50	6.25	
1254+50.00	607.0	607.0	26	605.5	31.50	6.25	
1255+00.00	607.0	607.0	26	605.5	31.50	6.25	
1255+50.00	607.0	606.0	26	604.5	30.50	6.25	
* 1256+00.00	606.0	606.0	21	604.5	30.50	8.75	18- #4 h154 BARS @ 12" CTS. SLAB (TOP & BOT.) 4- #7 h155 BARS TOP & BOT. (EACH EDGE BEAM)
1256+35.00	606.0	606.0	21	604.5	30.50		
1259+00.00	605.0	605.0	26	603.5	19.50	6.25	18x4- #4 h156 BARS @ 12" CTS. SLAB (TOP & BOT.) 4x4- #7 h157 BARS TOP & BOT. (EACH EDGE BEAM)
1259+50.00	605.0	605.0	26	603.5	19.50	6.25	
1260+00.00	605.0	605.0	26	603.5	19.50	6.25	
* 1260+50.00	606.0	606.0	21	604.5	20.50	8.33	18x7- #4 h158 BARS @ 12" CTS. SLAB (TOP & BOT.) 4x7- #7 h159 BARS TOP & BOT. (EACH EDGE BEAM)
1261+00.00	606.0	606.0	21	604.5	20.50	8.33	
1261+50.00	606.0	606.0	21	604.5	20.50	8.33	
1262+00.00	606.0	606.0	21	604.5	20.50	8.33	
1262+50.00	606.0	606.0	21	604.5	20.50	8.33	
* 1263+00.00	606.0	605.0	21	603.5	19.50	8.33	18- #4 h154 BARS @ 12" CTS. SLAB (TOP & BOT.) 4- #7 h155 BARS TOP & BOT. (EACH EDGE BEAM)
* 1263+50.00	606.0	604.0	30	602.5	18.50	5.00	18x4- #4 h156 BARS @ 12" CTS. SLAB (TOP & BOT.) 4x4- #7 h157 BARS TOP & BOT. (EACH EDGE BEAM)
1264+00.00	606.0	604.0	30	602.5	18.50	5.00	
1264+50.00	606.0	604.0	30	602.5	18.50	5.00	
* 1265+00.00	606.0	603.0	30	601.5	17.50	5.00	18- #4 h160 BARS @ 12" CTS. SLAB (TOP & BOT.) 4- #7 h161 BARS TOP & BOT. (EACH EDGE BEAM)
1265+50.00	605.0	603.0	30	601.5	17.50		

\* INDICATES LOCATIONS WITH EXPANSION JOINTS IN SLAB



BAR s150



BAR a150

BAR	NO.	SIZE	LENGTH	SHAPE
a150	2489	#10	24'-10"	
a151	693	#4	22'-0"	
h150	216	#4	35'-0"	
h151	96	#7	36'-7"	
h152	540	#4	35'-6"	
h153	240	#7	37'-8"	
h154	72	#4	34'-8"	
h155	32	#7	34'-8"	
h156	288	#4	39'-4"	
h157	128	#7	41'-2"	
h158	252	#4	37'-10"	
h159	112	#7	39'-11"	
h160	36	#4	49'-8"	
h161	16	#7	49'-8"	
s150	2770	#5	8'-11"	
REINFORCEMENT BARS			POUND	386,030
CONCRETE STRUCTURES (SPECIAL)			CU YD	2,594.2
STRUCTURE EXCAVATION			CU YD	3772
FURNISHING STEEL PILES, HP14x73			FOOT	11,501
DRIVING PILES			FOOT	11,501
TEST PILE HP14x73			EACH	2
PILE SHOES			EACH	448

**PILE DATA**

Type: HP14x73 with Pile Shoes  
Nominal Required Bearing: 578 kips  
Factored Resistance Available: 318 kips  
Est. Length: See Table  
No. Production Piles: 446  
No. Test Piles: 2

**MAIN DRAIN LOAD TRANSFER SLAB DETAILS - II**

<b>TYLIN INTERNATIONAL</b>	DESIGNED - SP	REVISIONS		F.A.I. RTE. 57	SECTION 1414.2B	COUNTY COOK	TOTAL SHEETS 516	SHEET NO. 179A
	CHECKED - PDF	NAME	DATE					
	DRAWN - JMA							
	CHECKED - SP, PDF							
	DATE - 03/18/10		04/29/10	CONTRACT NO. 60J27				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

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