STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	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 h_{150} BARS @ 12" CTS. SLAB (TOP & BOT.) 4x3-#7 h_{151} 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 h_{150} BARS @ 12" CTS. SLAB (TOP & BOT.) 4x3-#7 h_{151} 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	
	1251+50.00	607.0	607.0	30	605.5	31.50	5.00	18x6-#4 h_{152} BARS @ 12" CTS. SLAB (TOP & BOT.) 4x6-#7 h_{153} BARS TOP & BOT. (EACH EDGE BEAM)
	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	
	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	18x9-#4 h_{152} BARS @ 12" CTS. SLAB (TOP & BOT.) 4x9-#7 h_{153} BARS TOP & BOT. (EACH EDGE BEAM)
	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 h_{154} BARS @ 12" CTS. SLAB (TOP & BOT.) 4-#7 h_{155} 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	
	1259+50.00	605.0	605.0	26	603.5	19.50	6.25	18x4-#4 h_{156} BARS @ 12" CTS. SLAB (TOP & BOT.) 4x4-#7 h_{157} BARS TOP & BOT. (EACH EDGE BEAM)
	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	
	1261+00.00	606.0	606.0	21	604.5	20.50	8.33	18x7-#4 h_{158} BARS @ 12" CTS. SLAB (TOP & BOT.) 4x7-#7 h_{159} BARS TOP & BOT. (EACH EDGE BEAM)
	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	18-#4 h_{154} BARS @ 12" CTS. SLAB (TOP & BOT.) 4-#7 h_{155} BARS TOP & BOT. (EACH EDGE BEAM)
	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	
*	1263+50.00	606.0	604.0	30	602.5	18.50	5.00	
	1264+00.00	606.0	604.0	30	602.5	18.50	5.00	18x4-#4 h_{156} BARS @ 12" CTS. SLAB (TOP & BOT.) 4x4-#7 h_{157} BARS TOP & BOT. (EACH EDGE BEAM)
	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	
	1265+50.00	605.0	603.0	30	601.5	17.50		18-#4 h_{160} BARS @ 12" CTS. SLAB (TOP & BOT.) 4-#7 h_{161} BARS TOP & BOT. (EACH EDGE BEAM)

* INDICATES LOCATIONS WITH EXPANSION JOINTS IN SLAB

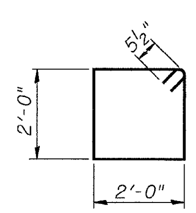
BILL OF MATERIAL

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"	□

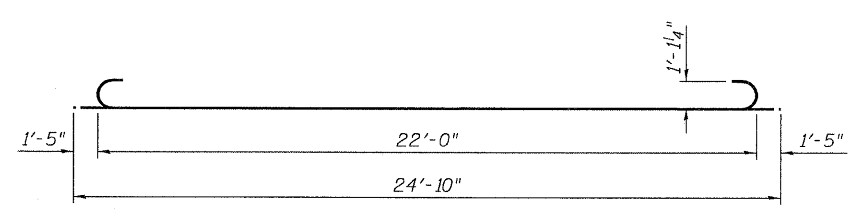
ITEM	UNIT	QUANTITY
REINFORCEMENT BARS	POUND	386,030
CONCRETE STRUCTURES (SPECIAL)	CU YD	2,594.2
STRUCTURE EXCAVATION	CU YD	3772
FURNISHING STEEL PILES, HP14x73	FOOT	11,501
DRIVING PILES	FOOT	11,501
TEST PILE HP14x73	EACH	2
PILE SHOES	EACH	448

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



BAR s150



BAR a150

MAIN DRAIN LOAD TRANSFER SLAB DETAILS - II

TYLIN INTERNATIONAL			REVISIONS	
	DESIGNED	- SP	NAME	DATE
	CHECKED	- PDF		
	DRAWN	- JMA		
	CHECKED	- SP,PDF		
	DATE	- 03/18/10		04/29/10

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1414.2B	COOK	516	179A

CONTRACT NO. 60J27

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

2:57:35 PM
P:\60254057-294\Road\P1_157_BR\P1_GP_SHT09.dgn
4/28/2010