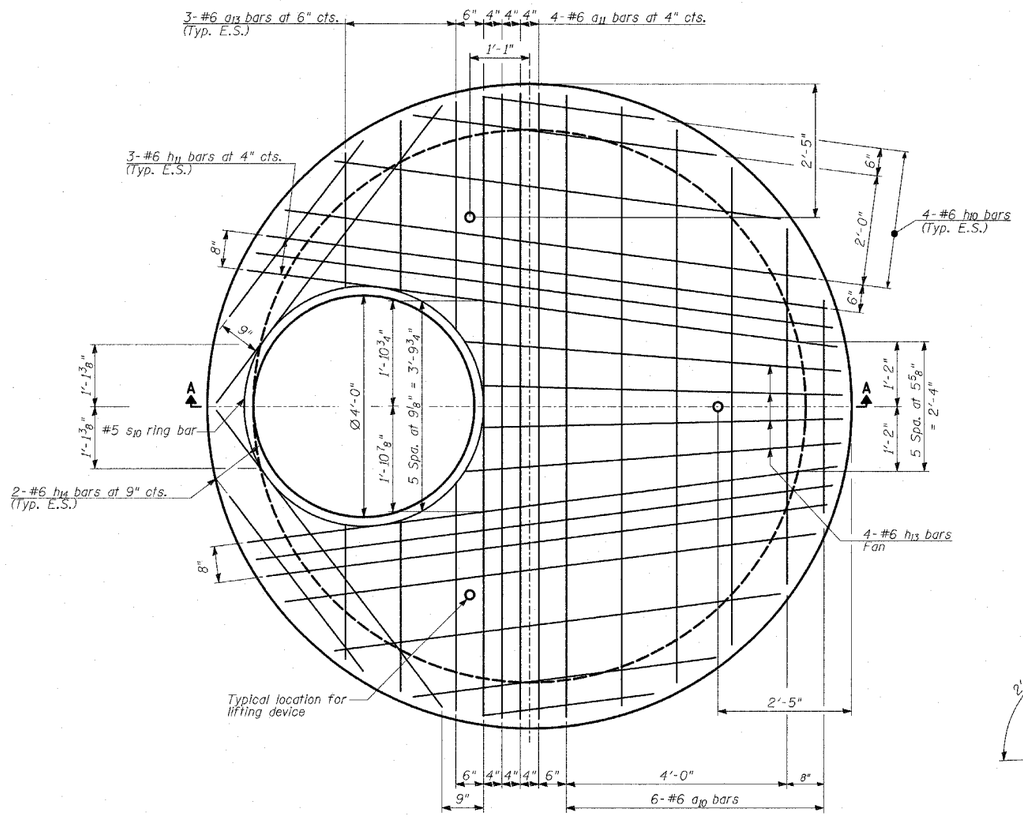
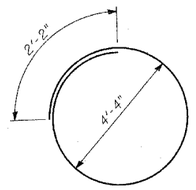
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	•	COOK	907	258
STA. 1200+00.00	TO STA. 1365+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• (1516.1, 1717 & 1818) R-9

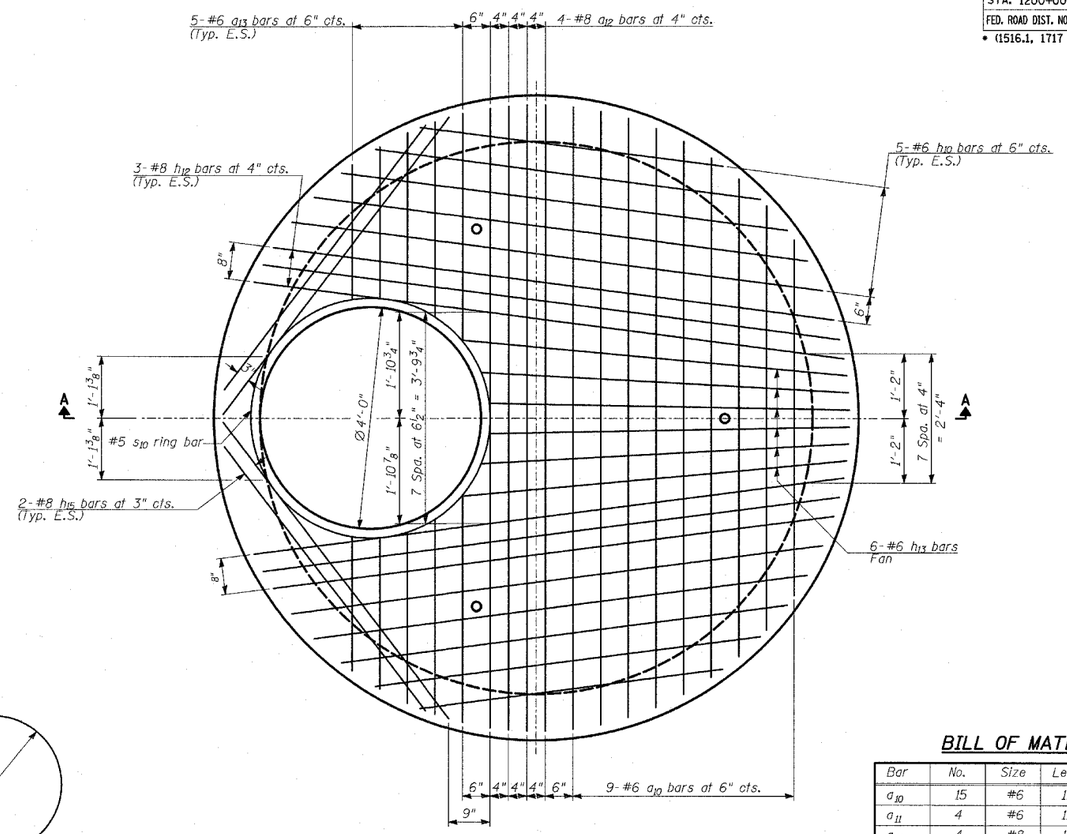
62695



ROOF SLAB - PLAN
(Top Reinforcement Bars)



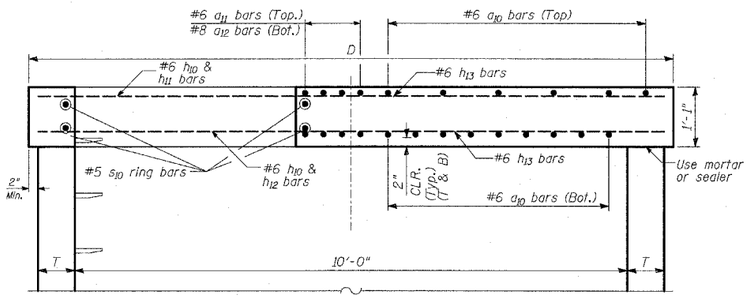
s10 BAR



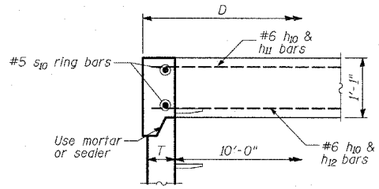
ROOF SLAB - PLAN
(Bottom Reinforcement Bars)

BILL OF MATERIAL

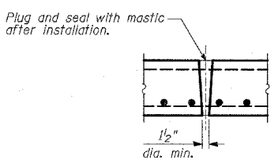
Bar	No.	Size	Length	Shape
a_{10}	15	#6	11'-3"	——
a_{11}	4	#6	11'-4"	——
a_{12}	4	#8	11'-4"	——
a_{13}	16	#6	4'-2"	——
h_{10}	18	#6	9'-8"	——
h_{11}	6	#6	10'-9"	——
h_{12}	6	#8	10'-9"	——
h_{13}	10	#6	7'-0"	——
h_{14}	4	#6	6'-9"	——
h_{15}	4	#8	6'-9"	——
s_{10}	2	#5	15'-9"	○
Reinforcement Bars			POUND	1,330
Concrete Structure			CU. YARD	3.89



SECTION A-A



ALTERNATE JOINT CONFIGURATION



LIFTING HOLE TYPICAL
(3 required per slab)

NOTES:

1. Bar lengths are based on a wall thickness "T" of 8". Any changes on wall thickness will require modifications to the bar lengths.
2. Bars to be cut as needed.
3. Precast flat slab top shall conform to articles 505.01 thru 505.05 of Standard Specifications except that the concrete strength shall be 3500 psi after 28 days. Reinforcement bars shall conform to the requirements of article 1006.10. Only Grade 60 reinforcement bars will be permitted.
4. Joint Configuration and dimensions of flat slab top shall match and fit the riser joint detail.
5. Lifting devices shall be approved by the Engineer.
6. Quantities for "Reinforcement Bars" and "Concrete Structures" are shown for constructibility purposed only and shall not be paid for separately.

STATE OF ILLINOIS
PHILLIP D. FREY
081-004826
CHICAGO, ILLINOIS
LICENSED STRUCTURAL ENGINEER

Signed _____ Phillip D. Frey, S.E. Il. Lic. No. 081-004826 Expires 11-30-2006. For drawings 1 thru

Date _____

SHEET 1 OF 1

REVISIONS	
NAME	DATE
REVISED	04/15/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (DAN RYAN EXPRESSWAY)

PRECAST REINFORCED CONCRETE FLAT SLAB TOP - 10' DIAMETER

S.N.
SCALE:
DATE: MARCH 25, 2005

DESIGNED BY: TD
DRAWN BY: SNB
CHECKED BY: MI

TY·LIN INTERNATIONAL

4/13/2005 2:52:37 PM