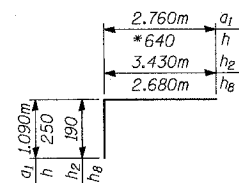


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

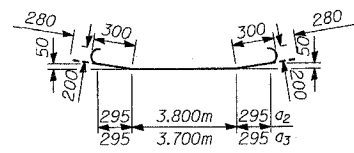
FAP	SECTION	COUNTY	SHEETS	SHEET	SHEET NO. 6
337	20R-5	LAKE	562	441	7 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT	
D-91-552-99		Contract No. 60881			

**BILL OF MATERIAL**

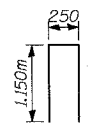
Bar	No.	Size	Length (m)	Shape
a	28	#15	4.30	—
a <sub>1</sub>	12	#20	3.85	┌
a <sub>2</sub>	3	#25	4.96	┌
a <sub>3</sub>	33	#25	4.86	┌
a <sub>4</sub>	41	#10	3.56	—
a <sub>5</sub>	8	#15	4.42	—
a <sub>6</sub>	12	#15	3.56	—
b	13	#10	5.50	—
b <sub>1</sub>	13	#10	5.70	—
b <sub>2</sub>	26	#10	0.84	—
d	80	#20	1.00	┌
d <sub>1</sub>	29	#15	0.80	┌
h	128	#15	0.89	┌
h <sub>1</sub>	20	#20	3.43	┌
h <sub>2</sub>	20	#20	3.62	┌
h <sub>3</sub>	26	#15	2.70	┌
h <sub>4</sub>	26	#15	2.13	┌
h <sub>5</sub>	26	#15	3.10	┌
h <sub>6</sub>	26	#15	3.45	┌
h <sub>7</sub>	20	#20	2.68	┌
h <sub>8</sub>	20	#20	2.87	┌
s	120	#15	2.55	┌
s <sub>1</sub>	26	#15	2.40	┌
u	26	#15	1.74	┌
v	40	#20	1.72	┌
v <sub>1</sub>	93	#15	3.95	┌
v <sub>2</sub>	16	#15	4.95	┌
v <sub>3</sub>	16	#15	4.62	┌
Protective Coat		SO M	20	
Concrete Box Culverts		CU M	32	
Reinforcement Bars		KG	4,450	
Trench Drain		METER	8	
Pipe Underdrains for Structures 150mm		METER	8	
Pipe Underdrains for Structures 200mm		METER	9	



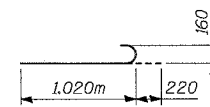
**BARS a<sub>1</sub>, h,  
h<sub>2</sub> & h<sub>8</sub>**



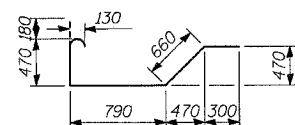
**BARS a<sub>2</sub> & a<sub>3</sub>**



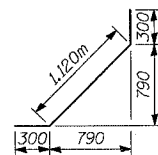
**BAR s**



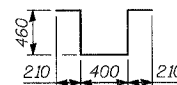
**BAR d**



**BAR s<sub>1</sub>**



**BAR v**



**BAR u**

**TYLIN INTERNATIONAL**

DESIGNED	TD, DJR
CHECKED	MI
DRAWN	DJR
CHECKED	MI
DATE	03-22-2004

**TUNNEL EXTENSION  
DETAILS 2**

IL ROUTE 22 OVER  
PEDESTRIAN TUNNEL EXTENSION  
FAP 337 SECTION 20R-5  
LAKE COUNTY  
STA. 101+613.705  
S.N. 049-T017