

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	99-00124-01-PV	COLES	157	88
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**BEAM 1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of West Abut.	120+35.79	18.33'	729.91	729.91
☉ Brg. West Abut.	120+37.39	18.33'	729.93	729.93
A	120+47.39	18.33'	730.01	730.07
B	120+57.39	18.33'	730.09	730.21
C	120+67.39	18.33'	730.17	730.33
D	120+77.39	18.33'	730.24	730.44
E	120+87.39	18.33'	730.31	730.54
F	120+97.39	18.33'	730.37	730.61
G	121+07.39	18.33'	730.43	730.67
H	121+17.39	18.33'	730.49	730.71
I	121+27.39	18.33'	730.54	730.74
J	121+37.39	18.33'	730.59	730.76
K	121+47.39	18.33'	730.64	730.76
L	121+57.39	18.33'	730.68	730.76
M	121+67.39	18.33'	730.71	730.76
N	121+77.39	18.33'	730.74	730.77
O	121+87.39	18.33'	730.77	730.78
☉ Brg. Pier	121+94.04	18.33'	730.79	730.79
P	122+04.04	18.33'	730.81	730.82
Q	122+14.04	18.33'	730.83	730.86
R	122+24.04	18.33'	730.84	730.91
S	122+34.04	18.33'	730.85	730.95
T	122+44.04	18.33'	730.86	731.00
U	122+54.04	18.33'	730.86	731.04
V	122+64.04	18.33'	730.86	731.07
W	122+74.04	18.33'	730.85	731.08
X	122+84.04	18.33'	730.84	731.08
Y	122+94.04	18.33'	730.82	731.06
Z	123+04.04	18.33'	730.81	731.03
A <sub>1</sub>	123+14.04	18.33'	730.78	731.97
B <sub>1</sub>	123+24.04	18.33'	730.76	730.91
C <sub>1</sub>	123+34.04	18.33'	730.73	730.82
D <sub>1</sub>	123+44.04	18.33'	730.69	730.73
☉ Brg. East Abut.	123+50.69	18.33'	730.67	730.67
Back of East Abut.	123+52.29	18.33'	730.66	730.66

**BEAM 2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of West Abut.	120+33.07	11.00'	730.04	730.04
☉ Brg. West Abut.	120+34.67	11.00'	730.05	730.05
A	120+44.67	11.00'	730.14	730.20
B	120+54.67	11.00'	730.22	730.33
C	120+64.67	11.00'	730.30	730.46
D	120+74.67	11.00'	730.37	730.57
E	120+84.67	11.00'	730.44	730.66
F	120+94.67	11.00'	730.50	730.74
G	121+04.67	11.00'	730.57	730.80
H	121+14.67	11.00'	730.62	730.85
I	121+24.67	11.00'	730.68	730.88
J	121+34.67	11.00'	730.73	730.89
K	121+44.67	11.00'	730.77	730.90
L	121+54.67	11.00'	730.81	730.90
M	121+64.67	11.00'	730.85	730.90
N	121+74.67	11.00'	730.88	730.91
O	121+84.67	11.00'	730.91	730.92
☉ Brg. Pier	121+91.32	11.00'	730.93	730.93
P	122+01.32	11.00'	730.95	730.96
Q	122+11.32	11.00'	730.97	731.00
R	122+21.32	11.00'	730.99	731.05
S	122+31.32	11.00'	731.00	731.10
T	122+41.32	11.00'	731.00	731.15
U	122+51.32	11.00'	731.01	731.18
V	122+61.32	11.00'	731.01	731.21
W	122+71.32	11.00'	731.00	731.23
X	122+81.32	11.00'	730.99	731.23
Y	122+91.32	11.00'	730.98	731.21
Z	123+01.32	11.00'	730.96	731.18
A <sub>1</sub>	123+11.32	11.00'	730.94	731.13
B <sub>1</sub>	123+21.32	11.00'	730.91	731.06
C <sub>1</sub>	123+31.32	11.00'	730.88	731.98
D <sub>1</sub>	123+41.32	11.00'	730.85	730.89
☉ Brg. East Abut.	123+47.97	11.00'	730.82	730.82
Back of East Abut.	123+49.57	11.00'	730.82	730.82

**BEAM 3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of West Abut.	120+30.36	3.67'	730.13	730.13
☉ Brg. West Abut.	120+31.96	3.67'	730.15	730.15
A	120+41.96	3.67'	730.23	730.29
B	120+51.96	3.67'	730.32	730.43
C	120+61.96	3.67'	730.39	730.56
D	120+71.96	3.67'	730.47	730.67
E	120+81.96	3.67'	730.54	730.77
F	120+91.96	3.67'	730.61	730.84
G	121+01.96	3.67'	730.67	730.91
H	121+11.96	3.67'	730.73	730.95
I	121+21.96	3.67'	730.78	730.98
J	121+31.96	3.67'	730.83	731.00
K	121+41.96	3.67'	730.88	731.01
L	121+51.96	3.67'	730.92	731.01
M	121+61.96	3.67'	730.96	731.01
N	121+71.96	3.67'	730.99	731.02
O	121+81.96	3.67'	731.03	731.03
☉ Brg. Pier	121+88.61	3.67'	731.04	731.04
P	121+98.61	3.67'	731.07	731.08
Q	122+08.61	3.67'	731.09	731.12
R	122+18.61	3.67'	731.10	731.17
S	122+28.61	3.67'	731.11	731.22
T	122+38.61	3.67'	731.12	731.26
U	122+48.61	3.67'	731.13	731.30
V	122+58.61	3.67'	731.13	731.33
W	122+68.61	3.67'	731.12	731.35
X	122+78.61	3.67'	731.11	731.35
Y	122+88.61	3.67'	731.10	731.33
Z	122+98.61	3.67'	731.08	731.30
A <sub>1</sub>	123+08.61	3.67'	731.06	731.25
B <sub>1</sub>	123+18.61	3.67'	731.04	731.19
C <sub>1</sub>	123+28.61	3.67'	731.01	731.11
D <sub>1</sub>	123+38.61	3.67'	730.98	731.02
☉ Brg. East Abut.	123+45.26	3.67'	730.95	730.95
Back of East Abut.	123+46.86	3.67'	730.95	730.95

Note: Work this Sheet with Sheet 4 of 21.

**THE UPCHURCH GROUP**

HILLSIDE, IL. (708) 449-2321  
MATTOON, IL. (217) 235-3177

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
TOP OF SLAB FAS 642  
CH 18 OVER  
FAS 642

STA. 121+87.2

SCALE: N.T.S.

DATE: 01-21-2004