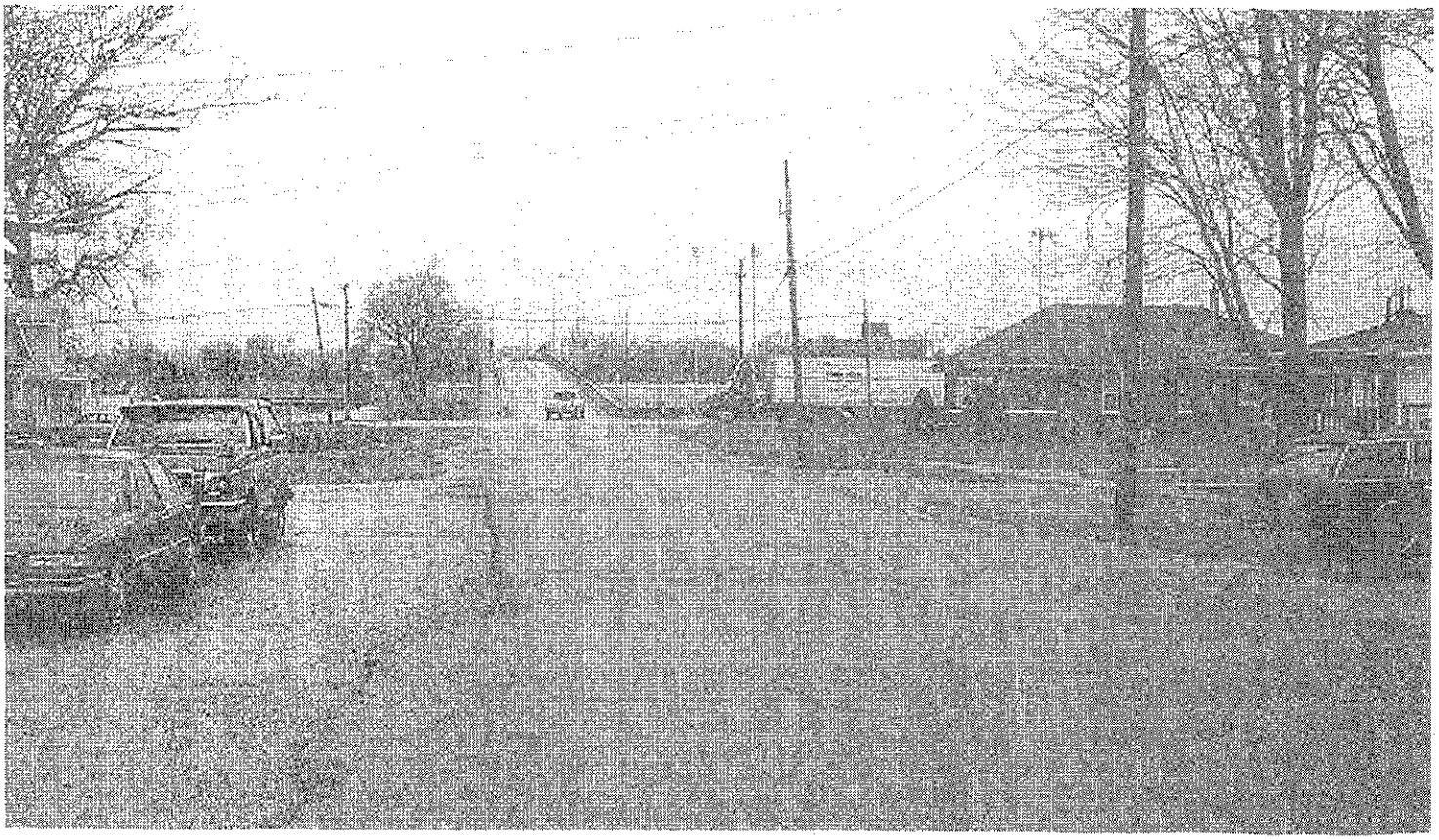
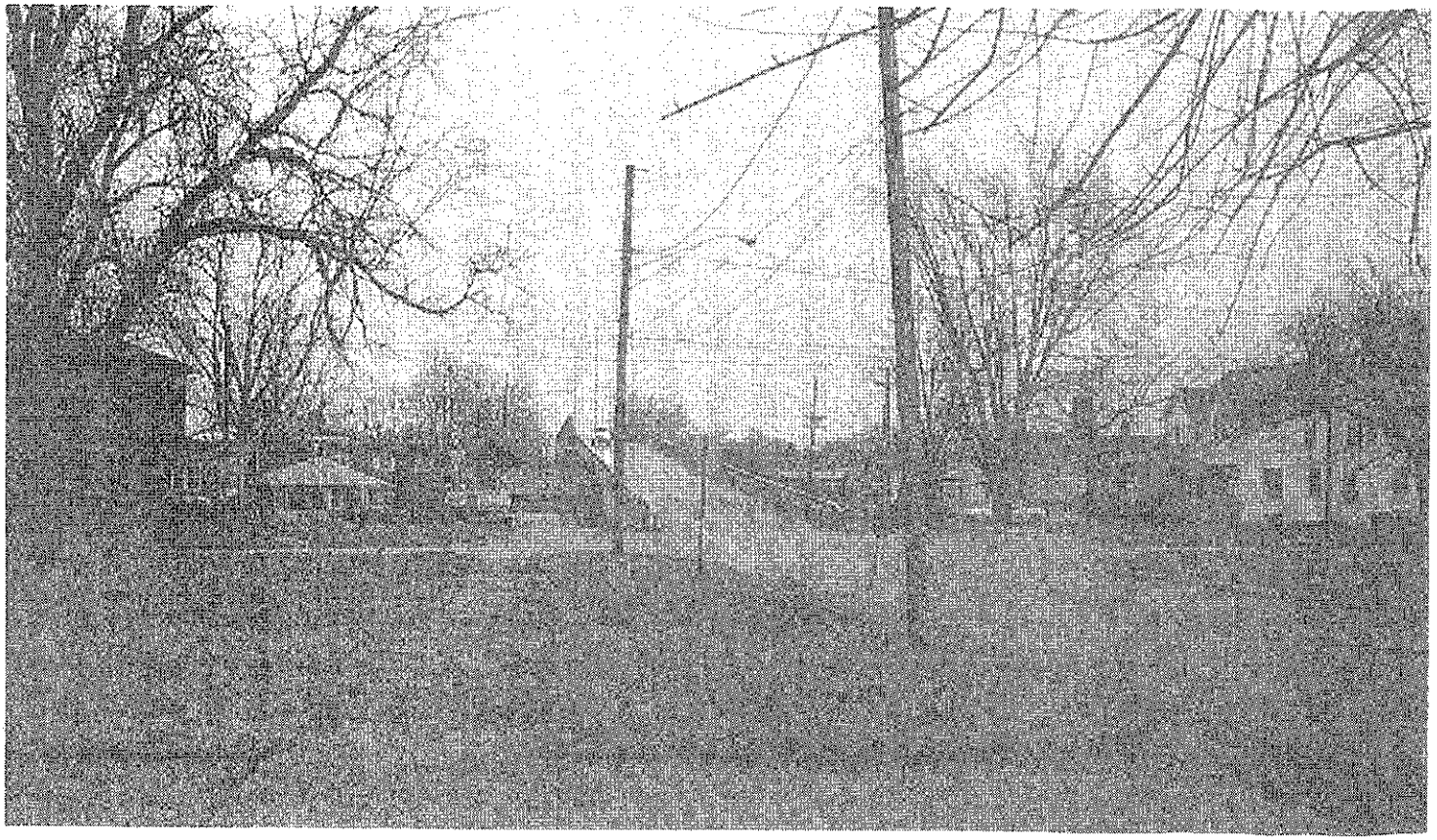


East Approach to bridge

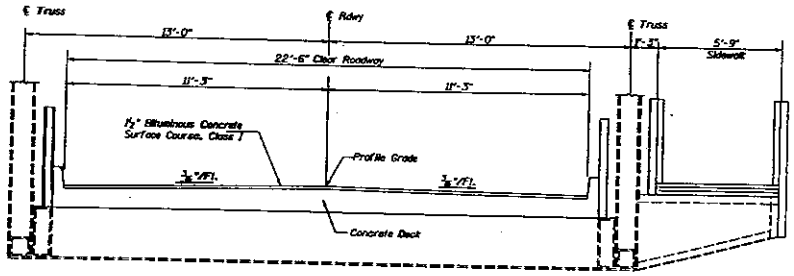


West Approach to bridge

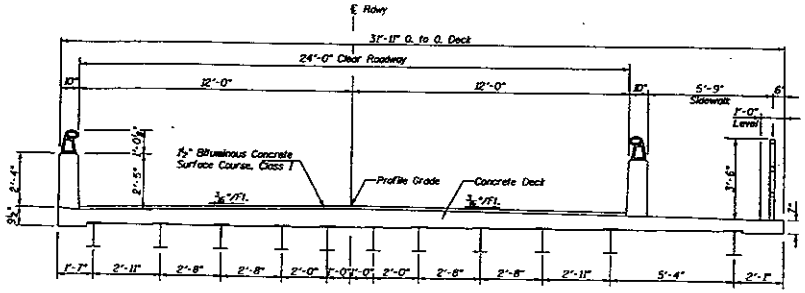
APPENDIX C

EXISTING STRUCTURE DRAWINGS

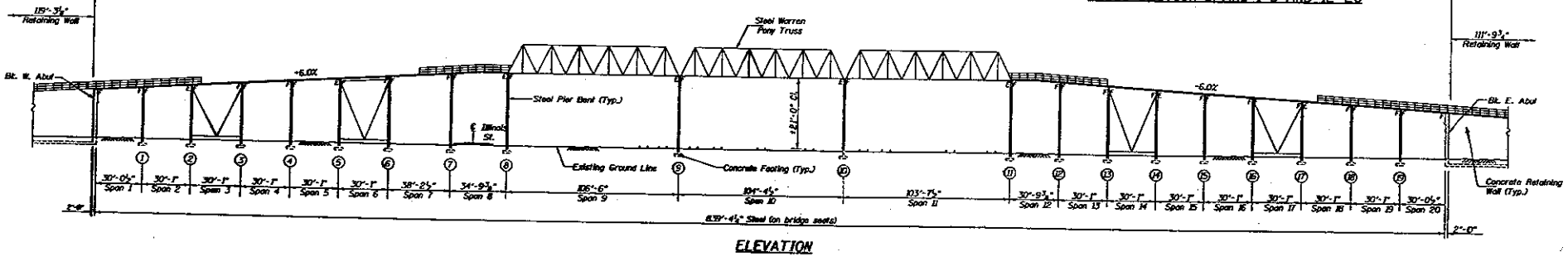
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TAU 6145		LA SALLE		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



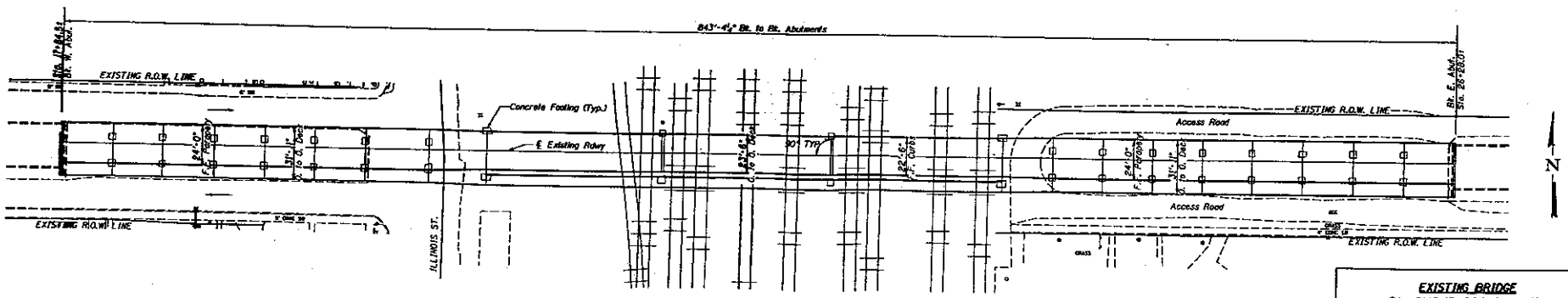
CROSS SECTION - SPANS 9, 10 & 11



CROSS SECTION SPANS 1-8 AND 12-20



ELEVATION



PLAN

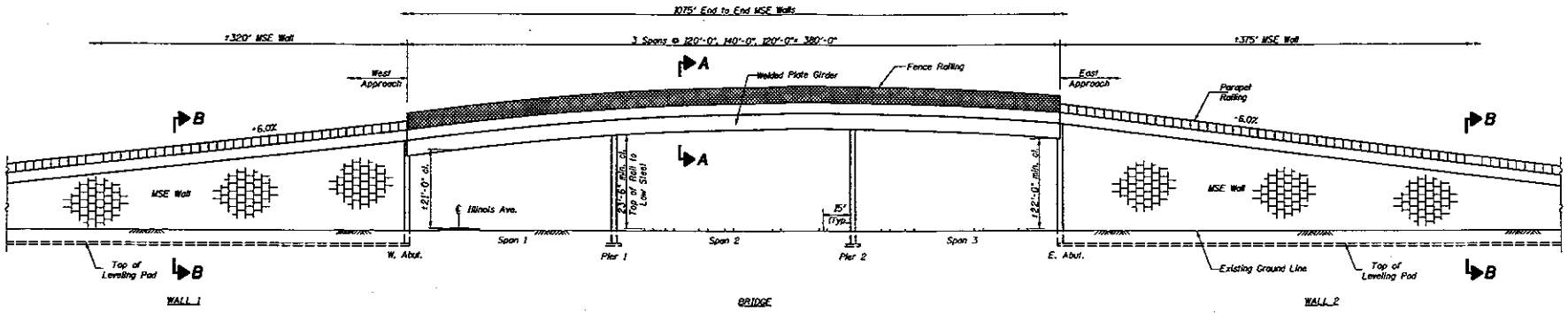
EXISTING BRIDGE
FAU 6145 (E. BROADWAY ST.)
OVER BNSF RR & LUCKEY TRUCKING RR YARD
CITY OF STREATOR
LA SALLE COUNTY
SN 050-8016

2150E.existingbridge

APPENDIX D

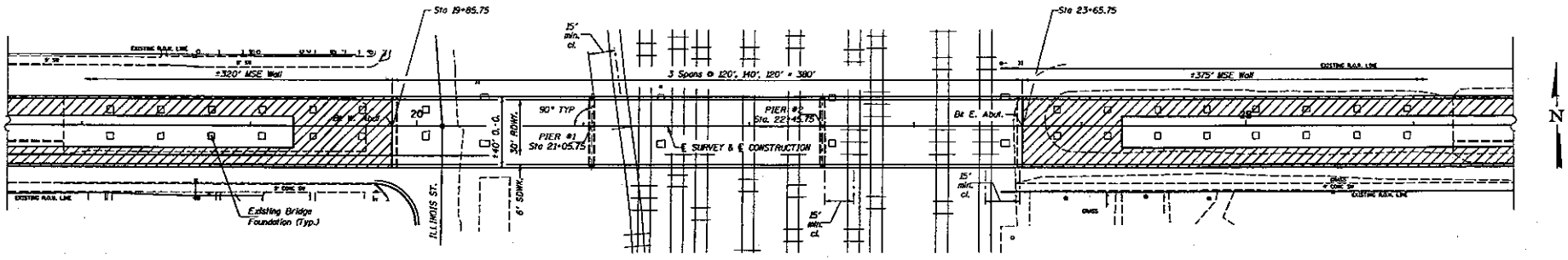
PROPOSED STRUCTURE DRAWINGS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6145		LA SALLE	2	1
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



BRIDGE

ELEVATION



PLAN

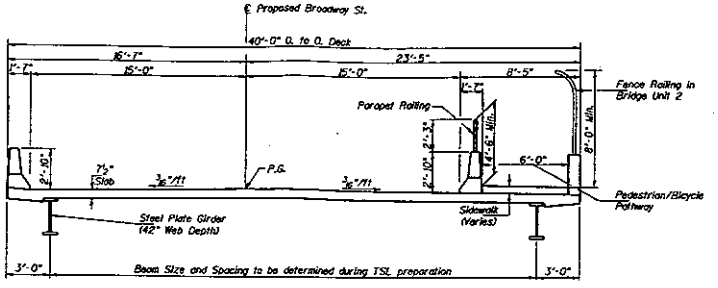
Span lengths & Pier locations subject to refinement during TSL preparation.

For Section A-A and B-B see Sh. #2

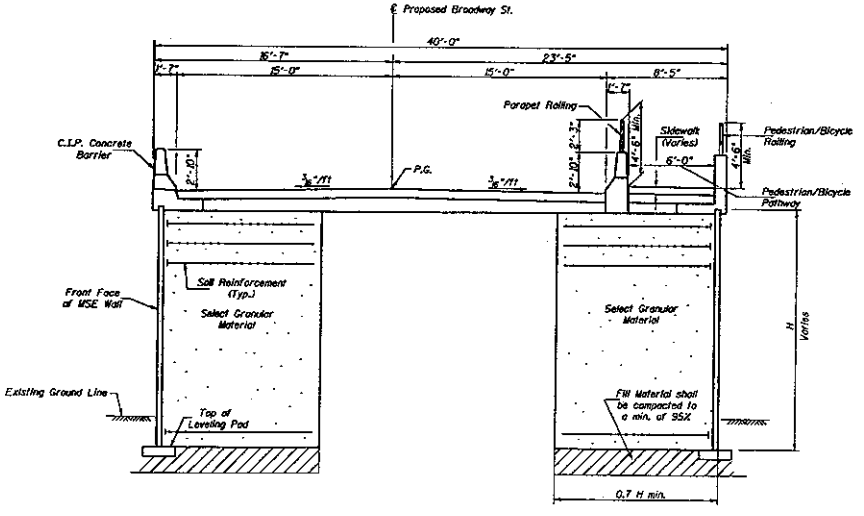
PROPOSED BRIDGE
FAU 6145 (E. BROADWAY ST.)
OVER BNSF RR & LUCKEY TRUCKING RR YARD
CITY OF STREATOR
LA SALLE COUNTY

2190Proposedbridge

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.A.U. 5145		LA SALLE	2	2
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



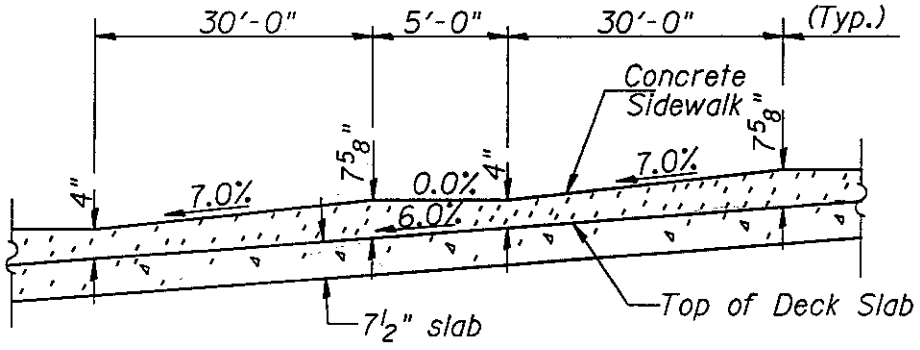
SECTION A-A
PROPOSED BRIDGE CROSS SECTION
(Looking East)



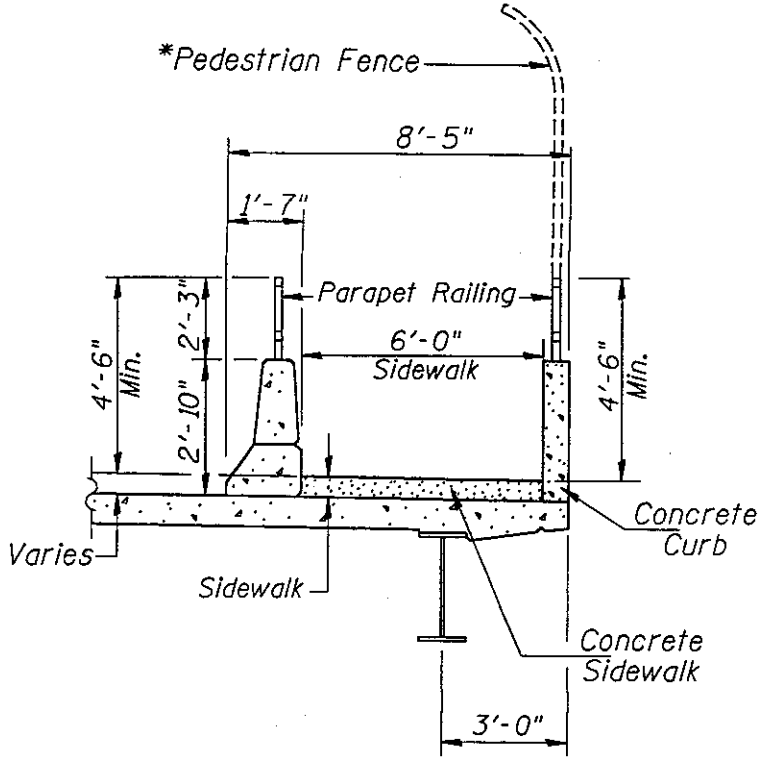
SECTION B-B
PROPOSED CROSS SECTION THRU MSE WALL
(Looking East)

PROPOSED BRIDGE DETAILS
FAU 6145 (E. BROADWAY ST.)
OVER BNSF RR & LUCKEY TRUCKING RR YARD
CITY OF STREATOR
LA SALLE COUNTY

2190/Proposedbridge1



SIDEWALK ON BRIDGE APPROACHES
(Longitudinal Section)



SIDEWALK ON BRIDGE

PROPOSED SIDEWALK DETAIL
(ADA REQUIREMENTS)

FAU ROUTE 6145
BROADWAY STREET OVER BNSF RAILROAD
STREATOR, ILLINOIS
SECTION 01-00590-00-BR (COUNTY)
SECTION 00-00076-00-BR (CITY)

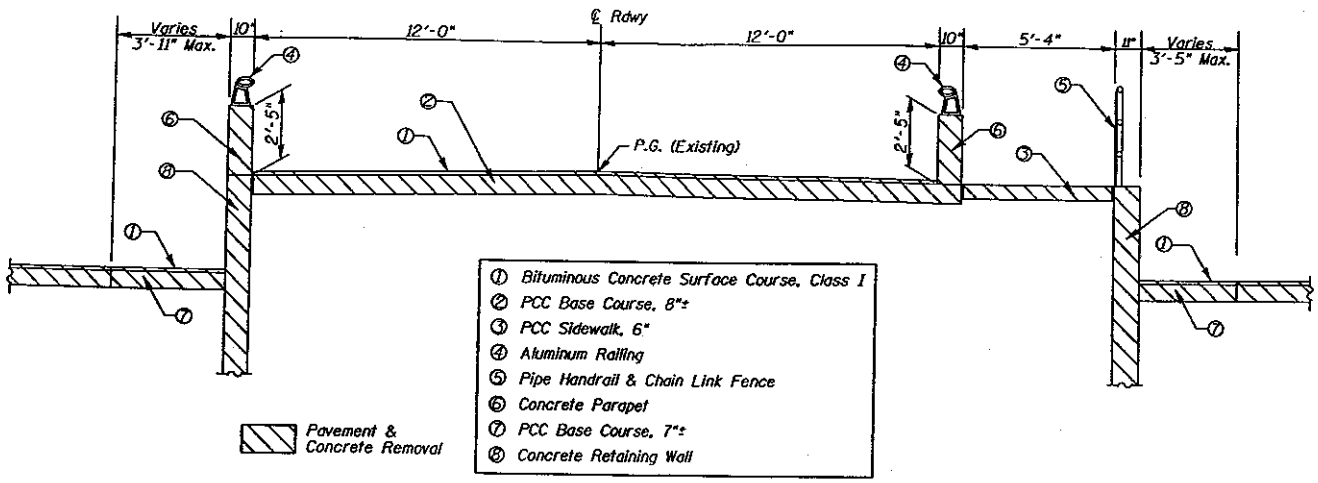
HUTCHISON ENGINEERING INC.

Detail

APPENDIX E

APPROACH ROADWAY & RETAINING WALL TYPICAL SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. RTE.		LA SALLE		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

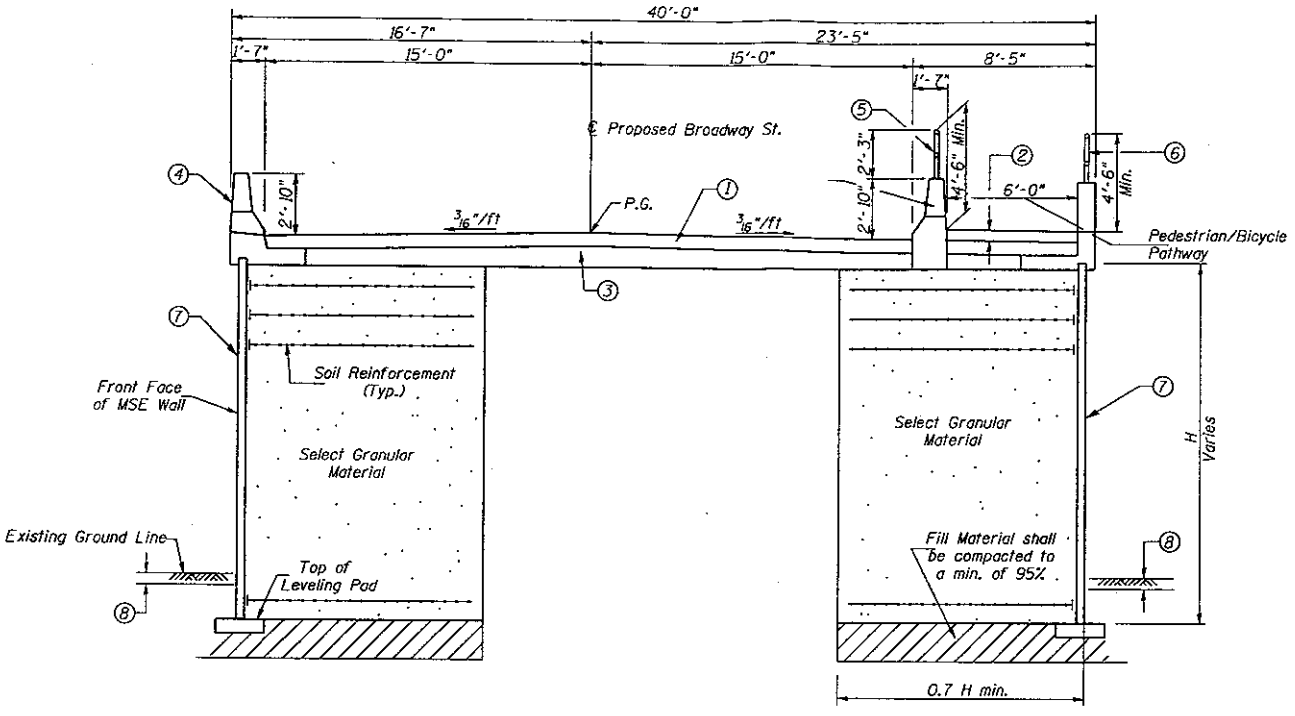


TYPICAL APPROACH CROSS SECTION (EXISTING)
Sta. 16+66 to Sta. 17+85
Sta. 26+28 to Sta. 27+40

EXISTING APPROACH SECTION
FAU ROUTE 6145
BROADWAY STREET OVER BNSF RAILROAD
STREATOR, ILLINOIS

2.50repair101

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6145		LA SALLE		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



1. Pavement, 8"±
2. PCC Sidewalk, 6"
3. Sub-Base
4. Concrete Parapet
5. Parapet Railing
6. Bicycle/Pedestrian Railing
7. Concrete MSE Wall
8. Pavement, 7"±

TYPICAL APPROACH CROSS SECTION (PROPOSED)
Sta. 16+65 to Sta. 19+85
Sta. 23+65 to Sta. 27+40
(Looking East)

PROPOSED APPROACH SECTION
FAU ROUTE 6145
BROADWAY STREET OVER BNSF RAILROAD
STREATOR, ILLINOIS

2190report02

APPENDIX F

COST ESTIMATE

3/12/2003

PRELIMINARY COST ESTIMATES

FAU 6145
BROADWAY STREET OVER BNSF RAILROAD
STREATOR, ILLINOIS

1. COST ESTIMATE FOR BRIDGE, 380 FT. LONG x 40'-0" WIDE (Sta. 19+85.0 to Sta. 23+65.0)

ITEM	QUANTITY	UNIT COST	TOTAL
CONCRETE SUPERSTRUCTURE	535 CY	650.00	347,750.00
CONCRETE STRUCTURES	284 CY	550.00	156,200.00
REINFORCEMENT BARS, EPOXY COATED	197000 LBS	0.80	157,600.00
F & E STRUCTURAL STEEL			
PLATE GIRDER (MAIN SPANS)	550000 LBS	1.25	687,500.00
NEOPRENE EXPANSION JOINT (4")	40 FT	100.00	4,000.00
PREFORMED JOINT SEAL	40 FT	50.00	2,000.00
PROTECTIVE COAT	1860 SY	2.00	3,720.00
BRIDGE DECK GROOVING	1180 SY	5.00	5,900.00
STUD SHEAR CONNECTORS	5000 EACH	2.00	10,000.00
ELASTOMERIC BEARING ASSEMBLY	18 EACH	1,200.00	21,600.00
STRUCTURE EXCAVATION	150 CY	30.00	4,500.00
NAME PLATES	1 EACH	300.00	300.00
BRIDGE DRAINAGE	1 LS	10,000.00	10,000.00
STEEL PILES HP12 (MIN)	2800 FT	35.00	98,000.00
TEST PILE STEEL	2 EACH	3,000.00	6,000.00
BRIDGE SEAT SEALER	230 SF	3.00	690.00
BAR SPLICERS	80 EACH	20.00	1,600.00
PARAPET RAILING	380 FT	75.00	28,500.00
BICYCLE/PEDESTRIAN FENCE RAILING	380 FT	110.00	41,800.00
REMOVAL OF EXISTING STRUCTURE	1 EACH	600,000.00	600,000.00
			2,187,660.00
ADD 10% FOR INCIDENTALS, LIGHTING,ETC.			218,766.00
TOTAL ESTIMATE OF COST FOR BRIDGE			$2,406,426.00

2. COST ESTIMATE FOR RETAINING WALLS AT EAST & WEST APPROACHES TO BRIDGE
(Sta. 16+65 to Sta. 19+85 and Sta. 23+65 to Sta. 27+40)

ITEM	QUANTITY	UNIT COST	TOTAL
CONCRETE REMOVAL	260 CY	250.00	65,000.00
MSE RETAINING WALL	23420 SF	38.00	889,960.00
C.I.P. CONCRETE	760 CY	400.00	304,000.00
PARAPET RAILING	695 FT	75.00	52,125.00
BICYCLE/PEDESTRIAN RAILING	695 FT	90.00	62,550.00
REINFORCEMENT BARS, EPOXY COATED	76000 LBS	0.80	60,800.00
STRUCTURE EXCAVATION	960 CY	20.00	19,200.00
BRIDGE APPROACH PAVEMENT	267 SY	175.00	46,725.00
EARTH EXCAVATION	1100 CY	10.00	11,000.00
			1,511,360.00
ADD 10% FOR MISC. & INCIDENTAL ITEMS			151,136.00
TOTAL ESTIMATE OF COST FOR RETAINING WALLS			$1,662,496.00

TOTAL FOR BRIDGE AND MSE WALLS $4.07 million