

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
474	(72-28)I	PEORIA	26
STA. 56+57.18		TO STA. 58+86.79	3
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT	

# SUMMARY OF QUANTITIES

100% STATE SAFETY - 2A  
PEORIA COUNTY

CODE NO.	ITEM	UNIT	URBAN	TOTAL
31100100	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	106	106
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	312	312
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70	TON	104	104
44000915	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	2700	2700
44004250	PAVED SHOULDER REMOVAL	SQ YD	<del>930</del> <del>1816</del>	<del>930</del> <del>1816</del>
50102400	CONCRETE REMOVAL	CU YD	36.2	36.2
50300255	CONCRETE SUPERSTRUCTURE	CU YD	36.2	36.2
50300260	BRIDGE DECK GROOVING	SQ YD	2670	2670
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	4860	4860
50800515	BAR SPLICERS	EACH	40	40
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	2	2

△ REVISIED 1/5/07

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

## SUMMARY OF QUANTITIES

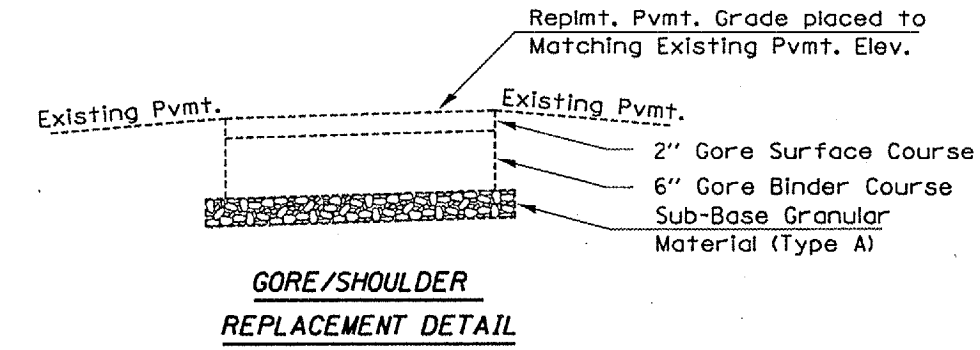
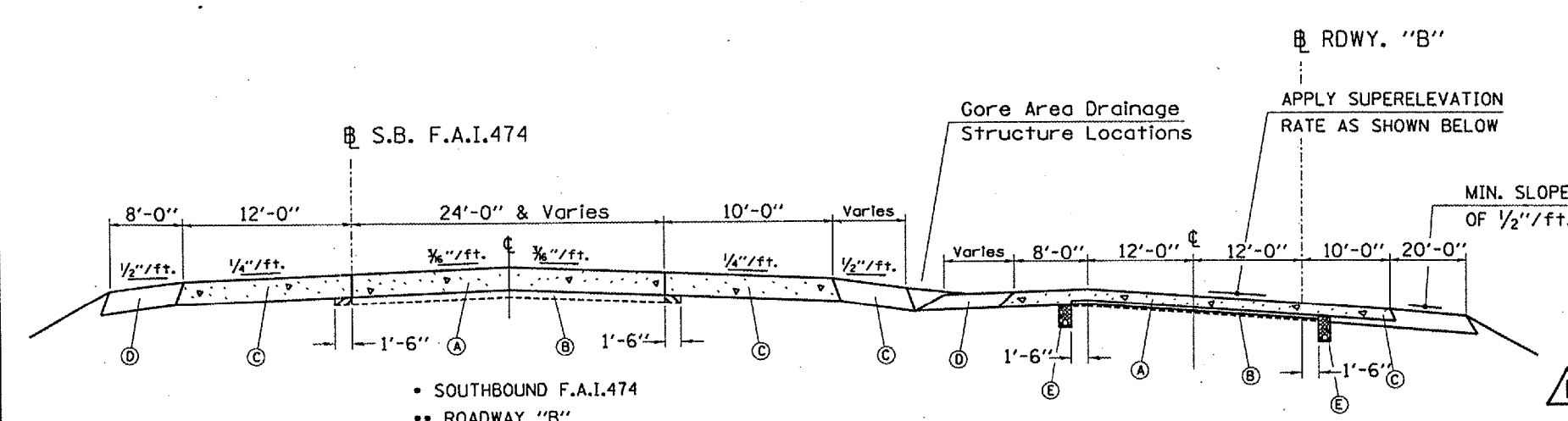
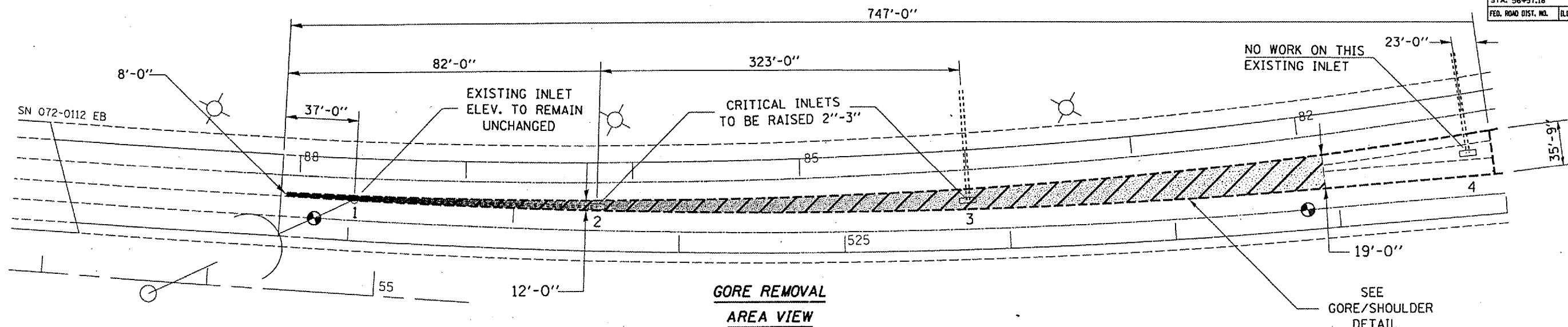
SCALE: VERT.  
DATE 07-07-2006

DRAWN BY CEJ  
CHECKED BY

PLT DATE  
SCALE  
REFERENCE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
474	(72-24B)I	PEORIA	26 6
STA. 56+57.18		TO STA. 58+86.79	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	

ADDENDUM



**NOTE**  
Flexible Delineators to be used for designating the vehicle lane crossing over the gore and onto the bridge approach, parallel and at least 11 feet away from the Directional Barricades used for the bridge approach taper.

**SUPERELEVATED SECTION-VARIABLE MEDIAN**  
(ROTATED AROUND BASELINE EDGE OF PAVEMENT)

**SOUTHBOUND F.A.I. 474**

CURVE TO RIGHT	RATE Ft / Ft.
Sta. 500+00.00 to Sta. 504+96.75	0.60 1/1
Sta. 522+99.23 to Sta. 526+21.01	0.53 1/1
CURVE TO LEFT	RATE Ft. / Ft.
Sta. 508+99.23 to Sta. 518+99.23	0.60 1/1

**ROADWAY "B"**

CURVE TO RIGHT	RATE Ft / Ft.
Sta. 50+80.00 to Sta. 68+56.08	0.60 1/1
Sta. 68+56.08 to Sta. 85+88.26	0.57 1/1

- (A) 9" CONTINUOUSLY REINFORCED P.C.C. PAVEMENT SEE STRD. 2224 & 2225
- (B) 4" STABILIZED SUB-BASE
- (C) 9" BITUMINOUS SHOULDERS SEE STRD. 2237
- (D) AGGREGATE SHOULDERS, TYPE A
- (E) PIPE UNDERDRAINS

ROADWAY "B"  
PAVEMENT DESIGN  
F.A.I. RTE. 474 - SECTION 72-1

CLASS I  
DESIGN YEAR 1992  
P.C. = 3065 UP 50%  
S.U. = 472 UP 50%  
M.U. = 393 UP 50%  
C.B.R. = 3.00  
T.F. = 1.87

**BILL OF MATERIAL**

ITEM	UNIT	TOTAL
PAVED SHOULDER REMOVAL	SO. YD.	930
SUB-BASE GRANULAR MATERIAL, TYPE A	TON	106
HOT MIX ASPHALT BINDER COURSE	TON	312
HOT MIX ASPHALT SURFACE COURSE	TON	104

REVISIED 11/5/07

SN072-0112/072-0113  
I-474 over IL. 8

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TYPICAL  
ENTRANCE RAMP  
CROSS-SECTION**  
SCALE: VERT. 1"=10'  
HORIZ. 1"=40'  
DATE 10-06-2006  
DRAWN BY CEJ  
CHECKED BY

PLOT DATE \* DATES  
FILE NAME \* FILES  
PLOT SCALE \* SCALES  
REFERENCE \* SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-2HB)I	PEORIA	26	7
STA. 56+57.18		TO STA. 58+86.79		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

ADDENDUM

SCHEDULE OF QUANTITIES

MOBILIZATION

JOBSITE = 1.0 LSUM

T, C, & P, STANDARD 701 400

JOBSITE = 1.0 LSUM

T, C, & P, STANDARD 701 401

JOBSITE = 1.0 LSUM

SUB-BASE GRANULAR MATERIAL

GORE/SHOULDER = 106 TON

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70

= 312 TON

HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70

= 104 TON

TEMPORARY CONCRETE BARRIER

JOBSITE WORKING AREA = 1392 FOOT

WORKZONE PAVEMENT MARKING REMOVAL

RAMP 'B' = 1500 SQ. FT.

PAVEMENT MARKING TAPE, TYPE III, 4''

JOBSITE WORKING AREA = 800 FOOT

TEMP. PAVEMENT MARKING-LINE 4''

JOBSITE WORKING AREA = 1000 FOOT

CHANGEABLE MESSAGE SIGN

AHEAD OF RAMP 'B' = 25 DAY

PAVED SHOULDER REMOVAL

RAMP 'B' GORE AREA = 930 SQ. YD. 

IMPACT ATTENUATORS, TEMPORARY(NRD), TEST LEVEL 3

JOBSITE BRIDGE DECK AND ENTRANCE TAPER = 2 EACH


T, C, & P, STANDARD 701 402

JOBSITE = 1.0 LSUM

T, C, & P, STANDARD 701 402(SPECIAL)

JOBSITE = 1.0 EACH

PLOT DATE \* DATES  
FILE NAME \* FILES  
PLOT SCALE \* SCALES  
REFERENCE \* REF

 REVISED 1/5/07

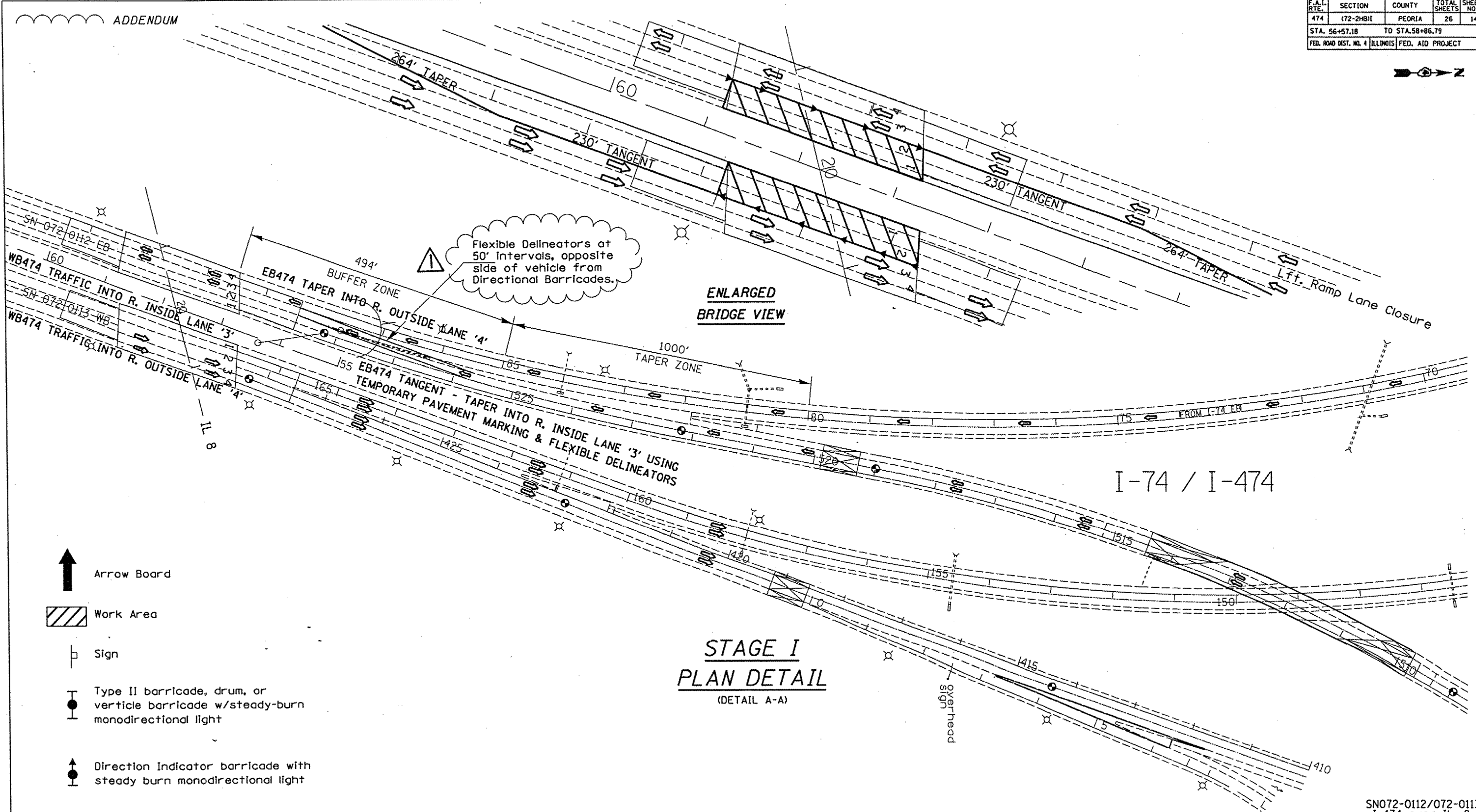
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**SCHEDULE OF QUANTITIES**

SCALE: VERT.      DRAWN BY CEJ  
 HORIZ.            CHECKED BY  
 DATE 08-08-06

F.A.L. RY.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-2)B11	PEORIA	26	14
STA. 56+57.18		TO STA. 58+86.79		
FED. ROAD DIST. NO. 4		ILLINOIS		FED. AID PROJECT



Flexible Delineators at 50' Intervals, opposite side of vehicle from Directional Barricades.

**ENLARGED  
BRIDGE VIEW**

**STAGE I  
PLAN DETAIL**  
(DETAIL A-A)

I-74 / I-474

- Arrow Board
- Work Area
- Sign
- Type II barricade, drum, or verticle barricade w/steady-burn monodirectional light
- Direction Indicator barricade with steady burn monodirectional light
- Temporary Concrete Barrier
- Type C Monodirectional Reflector
- Verticle Panel w/steady-burn monodirectional light

**NOTE**  
Refer to Highway Standards 701401, 701402, and 701402 (Special) for exact placement of traffic management devices and other clarifications as construction staging symbols and dimensioning were duplicated off of these. Additional signage and Ramp 'B' lane reduction requirements may be determined by the Field Engineer and Traffic Control Technician at time of staging for bridge repair Traffic Control.

REVISIED 11/5/07

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TRAFFIC STAGING PLAN**

SCALE: VERT. HORIZ. DATE: 08-03-2006

DRAWN BY CEJ  
CHECKED BY

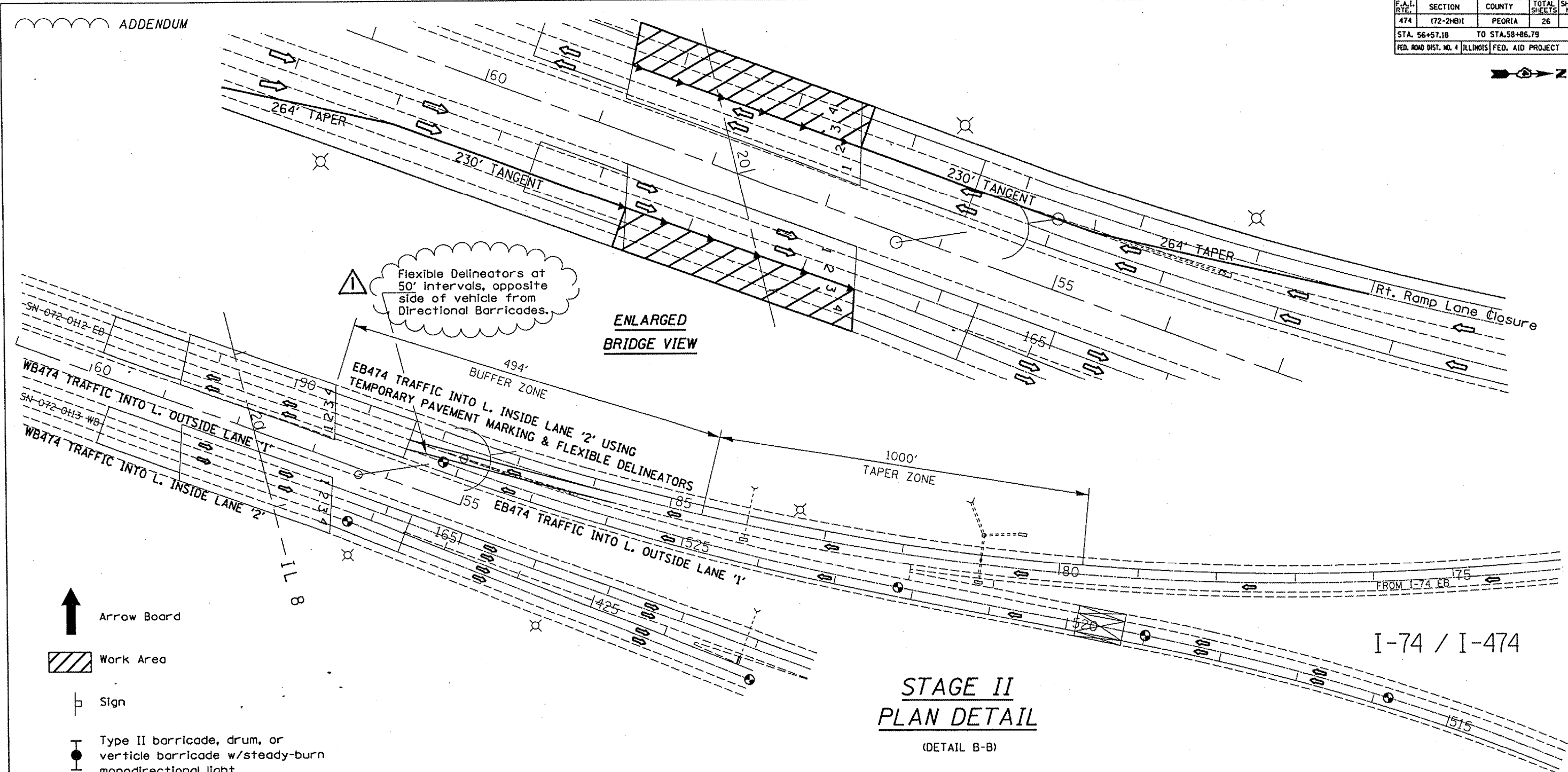
PLOT DATE: 08/03/06  
 DATE: 08/03/06  
 PLOT SCALE: AS SHOWN  
 REFERENCE: MREF

SN072-0112/072-0113  
I-474 over IL 8

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-2H8)1	PEORIA	26	15
STA. 56+57.18		TO STA. 58+86.79		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



ADDENDUM



**STAGE II  
PLAN DETAIL**  
(DETAIL B-B)

I-74 / I-474

- Arrow Board
- Work Area
- Sign
- Type II barricade, drum, or verticle barricade w/steady-burn monodirectional light
- Direction Indicator barricade with steady burn monodirectional light
- Temporary Concrete Barrier
- Type C Monodirectional Reflector
- Verticle Panel w/steady-burn monodirectional light

NOTE  
Refer to Highway Standards 701401, 701402, and 701402 (Special) for exact placement of traffic management devices and other clarifications as construction staging symbols and dimensioning were duplicated off of these. Additional signage and Ramp 'B' lane reduction requirements may be determined by the Field Engineer and Traffic Control Technician at time of staging for bridge repair Traffic Control.

REVISIED 1/5/07

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ILLINOIS DEPARTMENT OF TRANSPORTATION

**TRAFFIC STAGING PLAN**

SCALE: VERT. 1"=40'  
HORIZ. 1"=100'  
DATE 08-03-2006

DRAWN BY CEJ  
CHECKED BY

PLAT DATE  
FILE NAME  
PLAT SCALE  
REFERENCE

SN072-0112/072-0113  
I-474 over IL. 8