

DESIGNER: CLARK JONES  
PHONE: (309)671-3452

PROJECT ENGINEER: MARK ECKHOFF  
PHONE: (309)671-4463

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PROPOSED  
HIGHWAY PLANS**

FAI 74 (I-74)  
SECTION D4 MCHD TC&P 2014-1  
PEORIA COUNTY

C-60-061-14

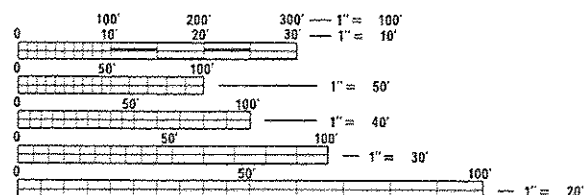
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	D4 MCHD 2014-1	PEORIA	12	1
FED. ROAD DIST. NO. 4		ILLINOIS	CONTRACT NO. 46323	

INDEX OF SHEETS:

1. COVER SHEET
2. COMMITMENTS & GENERAL NOTES
3. SUMMARY OF QUANTITIES
4. SCHEDULE OF QUANTITIES
- 5-12. PROPOSED TRAFFIC CONTROL

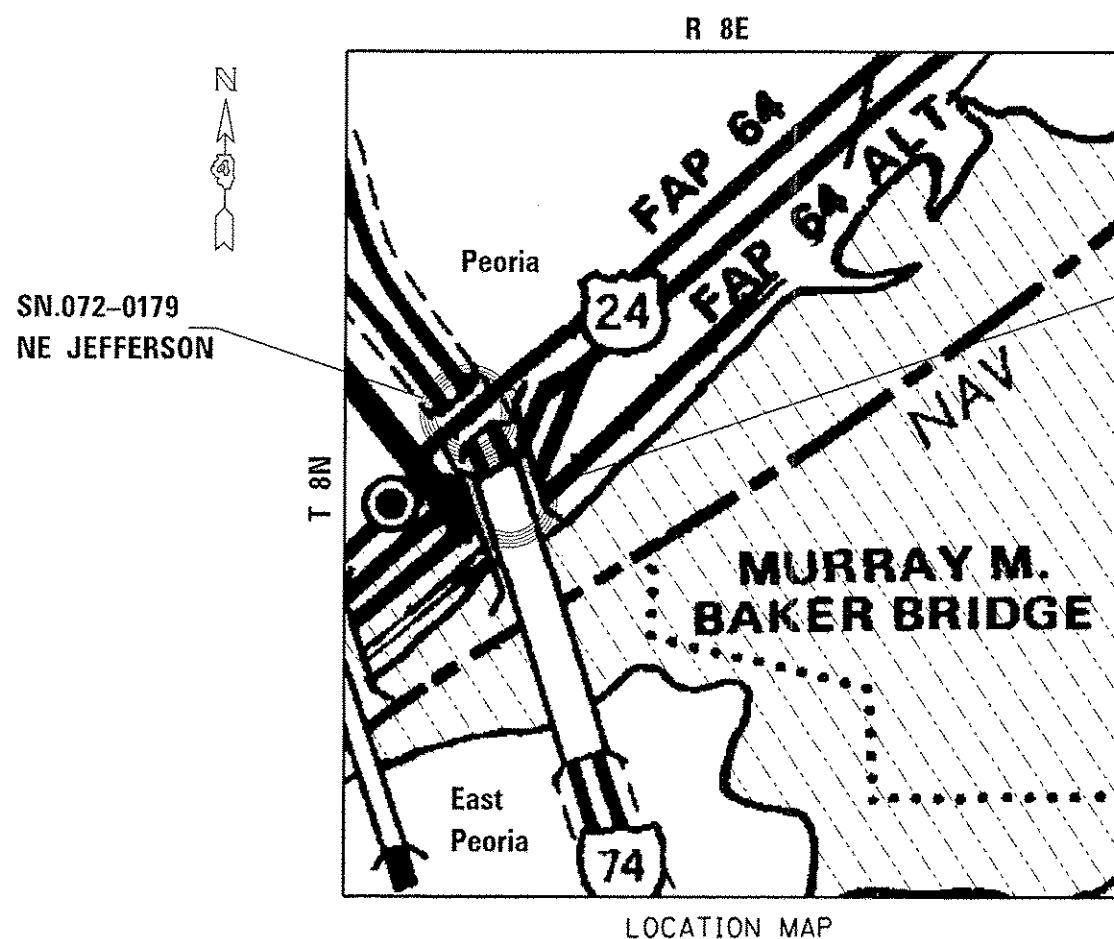
STANDARDS:

- |           |           |
|-----------|-----------|
| 701006-05 | 701411-08 |
| 701101-04 | 701428    |
| 701400-07 | 701601-09 |
| 701401-08 | 701801-05 |
| 701406-08 | 701901-03 |



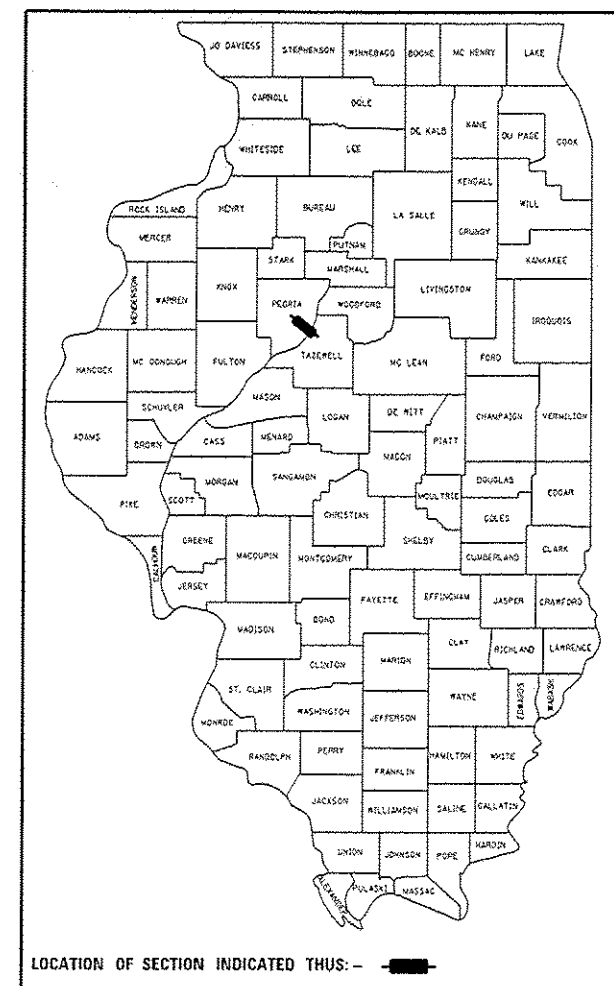
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811



SN.072-0182  
NE ADAMS

TRAFFIC CONTROL & PROTECTION FOR DAYLABOR PROJECT 14X407 OF STRUCTURAL STEEL REPLACEMENT AND BEAM STRAIGHTENING ON SN 072-0182 & -0179 CARRYING ADAMS AND JEFFERSON ST. OVER WB. I-74. MCHD CLAIM #770464.



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED May 6 20 14

Thomas A. Wanzel  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 9 20 14  
John D. Baranzelli, PE  
ENGINEER OF DESIGN AND ENVIRONMENT

May 9 20 14  
Omer Osman, PE  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

## COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made. There are no existing commitments for this project.

## GENERAL NOTES

### ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

The required environmental resource documentation shall include the following:

- \* BDE Form 2289 (Environmental Survey Request)
- \* A location map showing the size limits and location of the use area
- \* Signed property owner agreement form-D4 PI0100
- \* Color photographs depicting the use area
- \* Borrow Area Entry Agreement form-D4 PI0101

Please note that a minimum of two weeks shall be allowed for the District to obtain the required environmental clearances.

No field welding is permitted except as specified in the contract documents.

All structural steel shall be AASHTO M 270 Grade 36 (except expansion joints which shall be AASHTO M 270 Grade 50.)

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions

## JOB SPECIFIC NOTES

The Contractor shall be responsible for providing, installing, maintaining, inspecting, and removing all Traffic Control and Protection as described and shown in the Special Provisions and herein.

S:\CEN\DRG\1-STEEL\PLNS-Spec\DRG\BRIDGE CONTRACTS-STEEL REF\REF-165064-SN017-0179-0182.dgn

FILE NAME * 46323 T.C.SP.dgn	USER NAME * jonesr	DESIGNED - CEJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	COMMITMENTS & GENERAL NOTES ADAMS/JEFFERSON OVER F.A.I ROUTE 74 SN 072-0178 / 0182	F.A.I. RTE. 74	SECTION 172-9-HB18R & 172-9HB-118R	COUNTY PEORIA	TOTAL SHEET 12	SHEET NO. 2
		DRAWN - CEJ	REVISED -		SCALE: _____					
		CHECKED -	REVISED -		SHEET NO. _____ OF _____ SHEETS					
		DATE - 01/13/2014	REVISED -		STA. _____ TO STA. _____					
										CONTRACT NO. 46323
										FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT



# SCHEDULE OF QUANTITIES

## MOBILIZATION

LOCATION	LSUM
PROJECT LOCATION	1
TOTAL	1

## TRAFFIC CONTROL & PROTECTION (SPECIAL)

LOCATION	LSUM
PROJECT LOCATION	1
TOTAL	1












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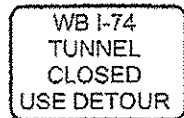

FILE NAME * 46323 T.C.SP.dgn	USER NAME * jonesc	DESIGNED - CEJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	SCHEDULE OF QUANTITIES ADAMSJEFFERSON OVER F.A.I. ROUTE 74 SM 072-0179 / 0182	F.A.I. RTE. 74	SECTION 172-9-HB1BR & 172-9H8-1BR	COUNTY PEDIANA	TOTAL SHEETS 12	SHEET NO. 4
		DRAWN - CEJ	REVISED -		SCALE: _____ SHEET NO. _____ OF _____ SHEETS   STA. _____ TO STA. _____	STEEL GIRDER REP./REPL.		CONTRACT NO. 46323		
		CHECKED -	REVISED -			FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				
		DATE - 01/13/2014	REVISED -							

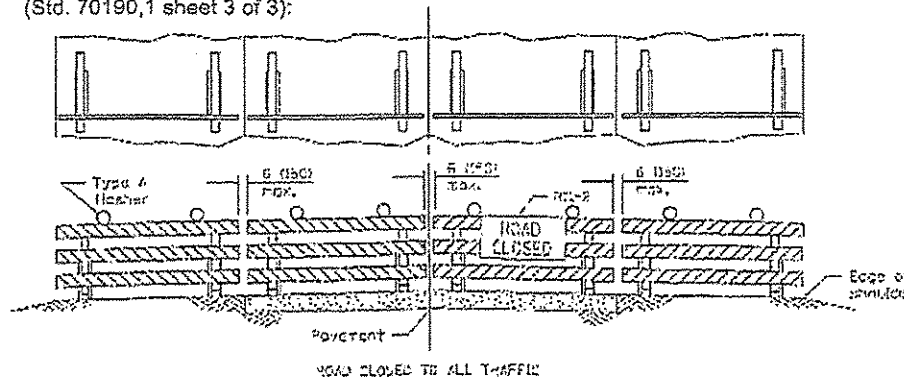
Pre-Stage 1a

Close WB I-74 entrance ramp from Eaton St./ Northeast Washington St. Utilizing the following:

ALL GROUND BASED SIGNS SHALL BE POST OR STAND MOUNTED.










- 1)  Place in grass median ~400' west of I-74 overpass. on Washington St.
- 2) Close turn lane leading to entrance ramp underneath I-74 overpass. Mono lit devices @ 20' cts. Start at concrete median on east side of signals.
- 3)  Place in the closed turn lane below the I-74 overpass.  
  
 Attach to green board sign in the southern shoulder under overpass of I-74. Cover white arrow and affix utilizing stainless steel bolts.
- 4) Cover "EAST" placard on existing I-74 signs along Eaton St. two locations.
- 5)  Place in the island at the intersection with Adams St.  

- 6)  Place on north shoulder of Jefferson St.  

- 7)  Place one set on both sides of Spalding Ave. midway between Jefferson & I-74 entrance ramp.  

- 8)  Place on I-74 entrance ramp immediately adjacent to sign truss on shoulder.

- 9)  Cover existing vertical arrow on light pole located in the southwest corner of Fayette & Adams St. Affix utilizing stainless steel bolts.
- 10)  Cover existing vertical arrow on signal mast arm located on Adams St. Affix utilizing stainless steel bolts.
- 11)  Place inside lane closure of Adams St. over I-74 near intersection with Spalding Ave.  

- 12)  Place behind lane closure on Adams St. bridge.
- 13)  Place on Jefferson St. prior to intersection with Bryan Ave. Two signs.
- 14) Close WB I-74 entrance ramp per the following (Std. 70190, 1 sheet 3 of 3):



Reflectorized striping may be omitted on the back side of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the sign may be mounted on an NCHRP 350 temporary sign support directly in front of the barricade.

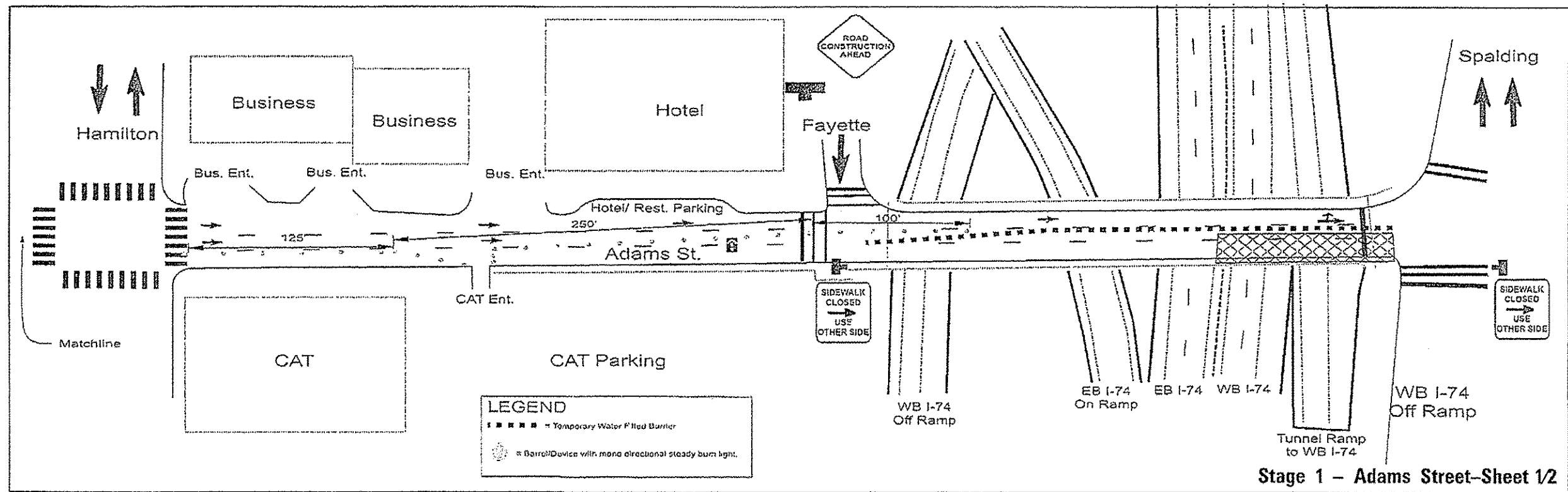
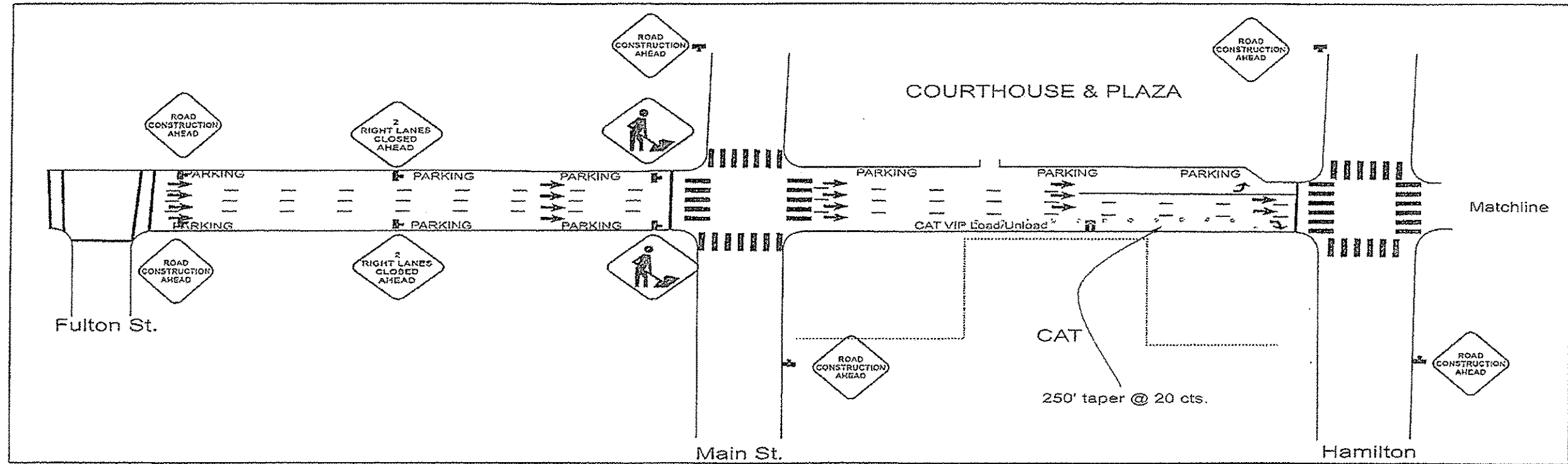
SIGN INVENTORY

SIGN	DESCRIPTION	TOTAL
	W20-2 48X48	1
	M4-9 (R) 30 X 24	1
	M4-9 (L) 30 X 24	1
	30 X 24	2
	M4-8a 24 X 18	1
	M3-1 24 X 12 BLACK ON WHITE	6
	24 X 15 BLACK ON WHITE	6
	48 X 48 BLACK ON CHANGR	3
	R11-2 48 X 30	1

S:\GEN-DRAW\5-Traffic-Signs\BRIDGE CONTRACTS-DRAW\ADAMS ST. 1-94-001-14 SN022-0179-0182.dgn

FILE NAME 46323 T.C.S.P.dgn	USER NAME jones22	DESIGNED - CEJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	PROPOSED TRAFFIC CONTROL ADAMS ST. OVER I-74 SN. 022-0182		F.A.I. RTE. I-74	SECTION (12-94B-318R)	COUNTY PEORIA	TOTAL SHEETS 12	SHEET NO. 5	
	PLOT SCALE 1/8" = 1'-0"	CHECKED -	REVISED -		SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	STEEL GIRDER REP./REPL.		CONTRACT NO. 46323		
	PLOT DATE 5/5/2014	DATE 03/10/2014	REVISED -		FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT							

# Stage 1- Adams Street- Sheet 1/2

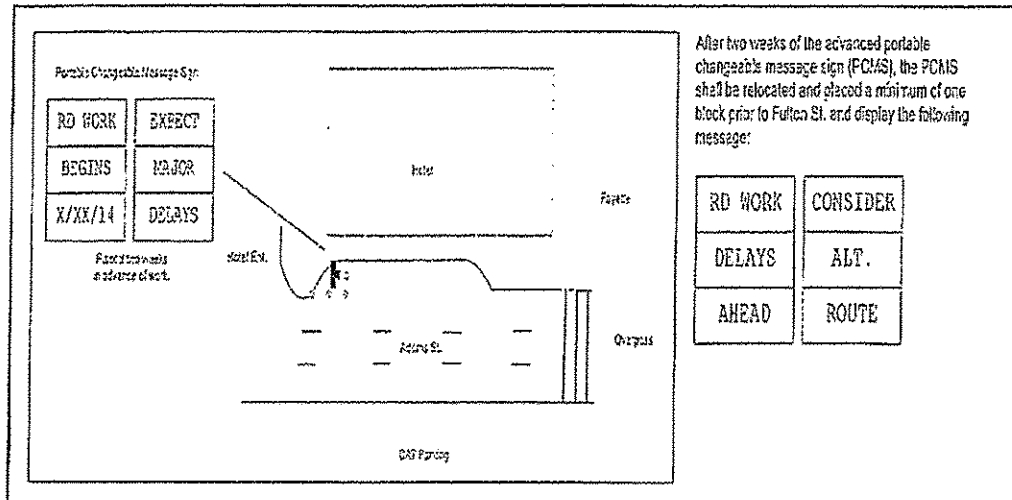


Stage 1 - Adams Street-Sheet 1/2

S:\GEN-DRAFT - STD&PLNS-ScheduleBridges-Bridge CONTRACTS-DAT\ADMS-SLT-94-001-14 S0072-0179-0182.dgn

FILE NAME * 46229 T.C.FP.dgn	USER NAME * jonesco	DESIGNED - CEJ	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	PROPOSED TRAFFIC CONTROL ADAMS ST. OVER I-74 SN. 072-0182		F.A.J. RTE. I-74	SECTION (72-348-1)BR	COUNTY PEORIA	TOTAL SHEETS 12	SHEET NO. 6	
PLOT SCALE * 1/8" = 1'-0"	CHECKED - ---	DATE - 03/10/2014	REVISED - ---		SCALE: _____	SHEET NO. _____	OF _____	SHEETS	STA. _____	TO STA. _____	CONTRACT NO. 46323	
PLOT DATE * 5/5/2014	DATE - 03/10/2014	REVISED - ---	REVISED - ---		FED. ROAD DIST. NO. 4 ILLINOIS/FED. AID PROJECT							

## Stage 1-Adams Street- Sheet 2/2



### General Notes

Adams St. Traffic Control and Protection is based on Std. 701601. Std 701601 shall be used as a reference and to supplement details shown.

Std. 701801 shall also be utilized for the sidewalk closures

Sign spacing shall be 200' or greater.

All devices shall be lit with mono-directional lighting, unless specified otherwise.

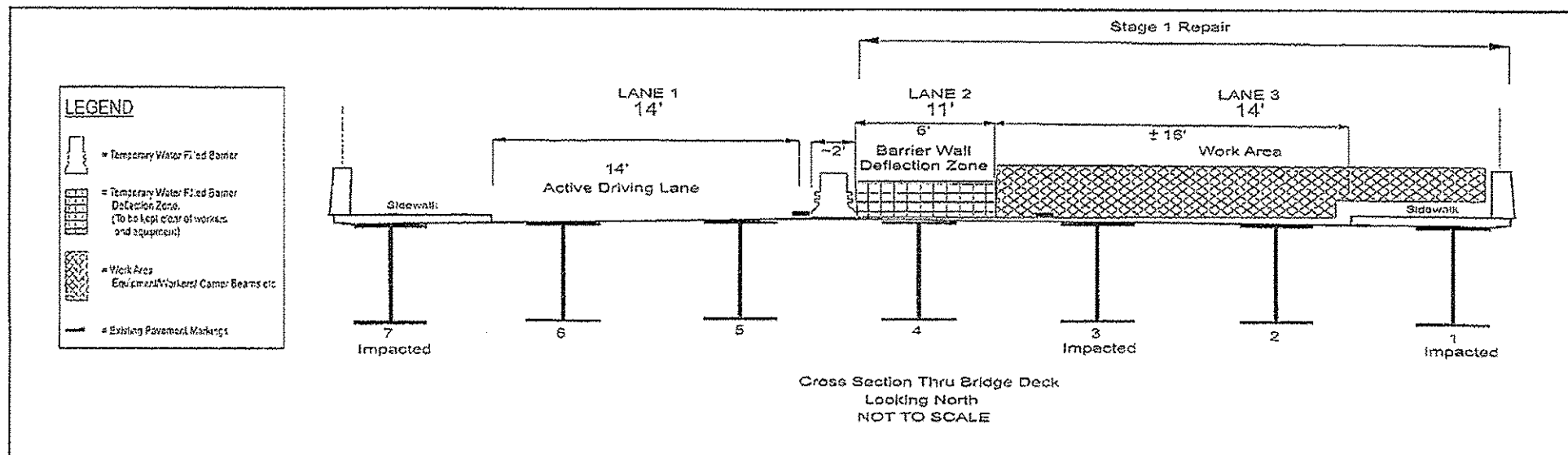
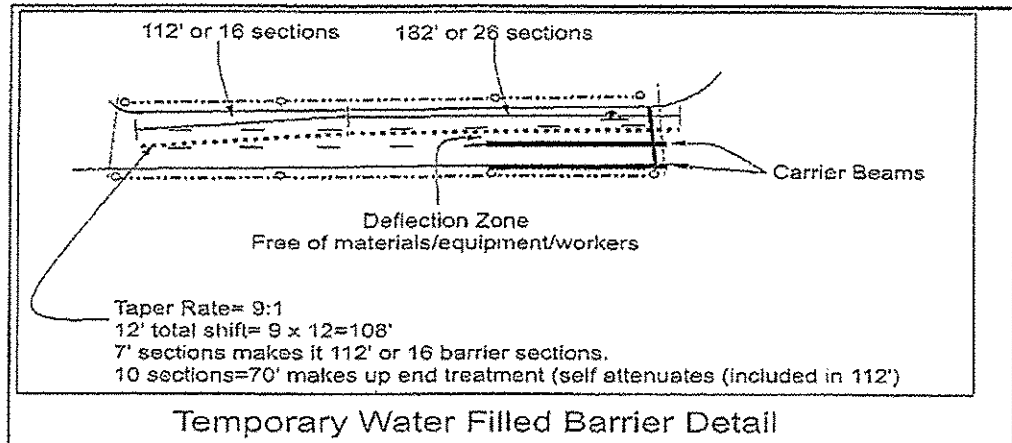
Taper devices spaced at 20' cts.  
Longitudinal devices spaced at 25' cts.

Flagger are not required due to speed but are encouraged when placing traffic control, placing barrier, and at other times which will provide a safer condition for work activities close to centerline.

All signage, excluding pedestrian sidewalk signage, shall be stand mounted with a minimum road to sign height of 7'.

### SIGN INVENTORY

SIGN	DESCRIPTION	TOTAL
	W20-1103(0)-48	7
	W21-1106R(0)-48	2
	W21-1(0)-48	2
	R11-1102-2430	1
	R11-1102-2430	1
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN	5



**LEGEND**

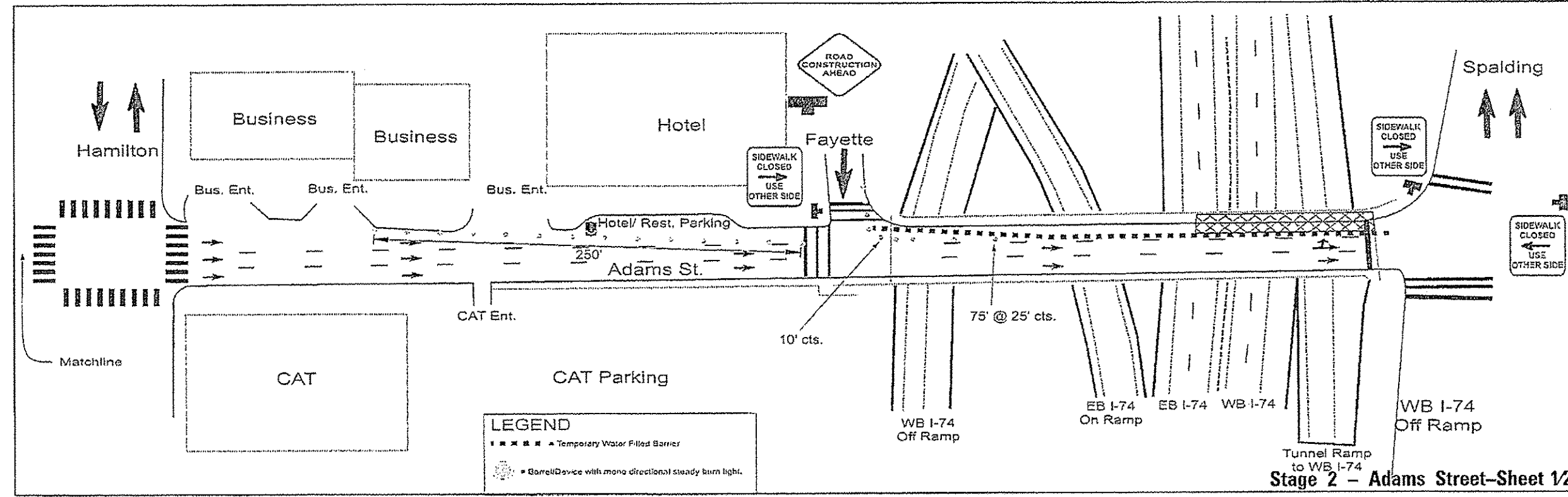
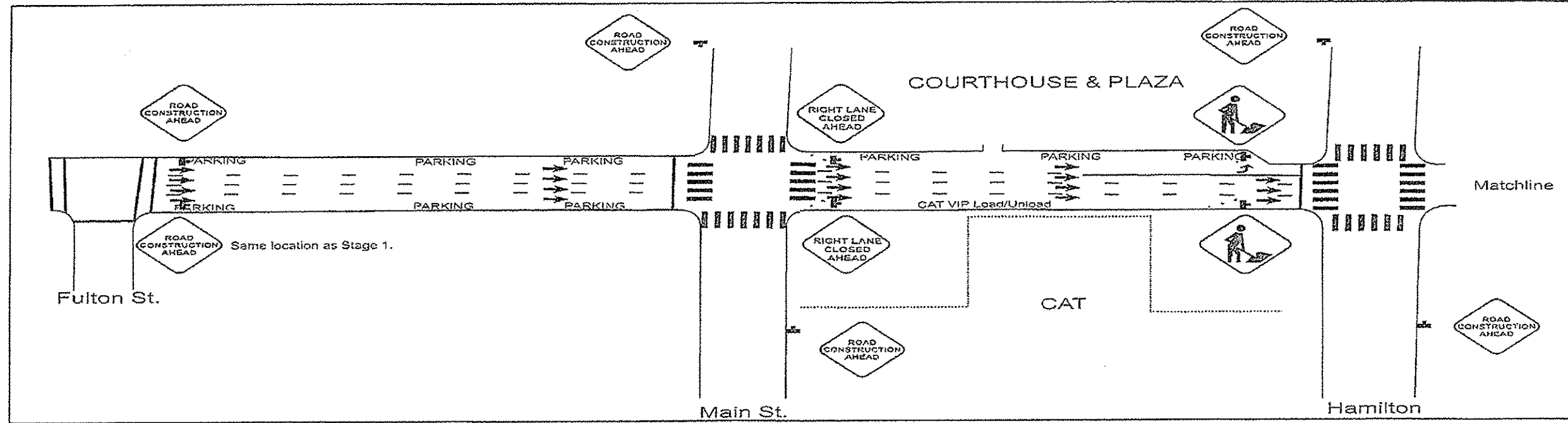
- = Temporary Water Filled Barrier
- = Temporary Water Filled Barrier Deflection Zone. (To be kept clear of works and equipment)
- = Work Area. Equipment/Workers/Carrier Beams etc.
- = Existing Pavement Markings

### Stage 1 - Adams Street-Sheet 2/2

S:\GEN-DRAFT-STOR\PLANS-SCHEMATIC-BRIDGES-CONTRACTS-DRAW\ADAMS-ST-9A-C01-14-54032-0179-0182.dgn

FILE NAME * 46323 T.C.BP.dgn	USER NAME * jonesca	DESIGNED - CEJ	DRAWN - CEJ	REVISOR - ---	REVISIONS - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	PROPOSED TRAFFIC CONTROL ADAMS ST. OVER I-74 SN. 072-0182	F.A.I. RTE. I-74	SECTION 172-9HB-1BR	COUNTY PEORIA	TOTAL SHEETS 12	SHEET NO. 7
PLOT SCALE * 1/2"=1'-0"		CHECKED - ---	DATE - 03/10/2014	REVISOR - ---	REVISIONS - ---	SCALE: _____ OF _____ SHEETS   STA. _____ TO STA. _____		STEEL GIRDER REP./REPL.		CONTRACT NO. 46323		
FED. ROAD DIST. NO. 4 ILLINOIS/FED. AID PROJECT												

# Stage 2- Adams Street- Sheet 1/2



**LEGEND**  
 ■■■■■ Temporary Water Filled Barrier  
 ■ Barrel Device with mono directional steady burn light.

Stage 2 - Adams Street-Sheet 1/2

S:\GEN-DRAFT-STAIRPLANS-SQUADBRIDGES-BRIDGE CONTRACTS-TRAIL\ADDP-SLT-94-001-14\_S1012-0179-0182.dgn

FILE NAME # 46323 T.C.SP.dgn	USER NAME # Jonasec	DESIGNED - CEJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	PROPOSED TRAFFIC CONTROL ADAMS ST. OVER I-74 SN. 072-0182		F.A.I. RTE. I-74	SECTION 172-9NB-11BR	COUNTY PEORIA	TOTAL SHEET 12	SHEET NO. 8
	PLOT SCALE # 1/2" = 100'	CHECKED -	REVISED -				CONTRACT NO. 46323				
	PLOT DATE # 5/5/2014	DATE - 03/10/2014	REVISED -				FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				
	SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____										


















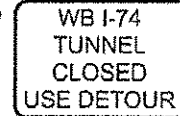
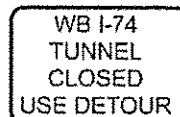


# Detour Staging

Close WB I-74 entrance ramp from Eaton St./ Northeast Washington St. Utilizing the following:

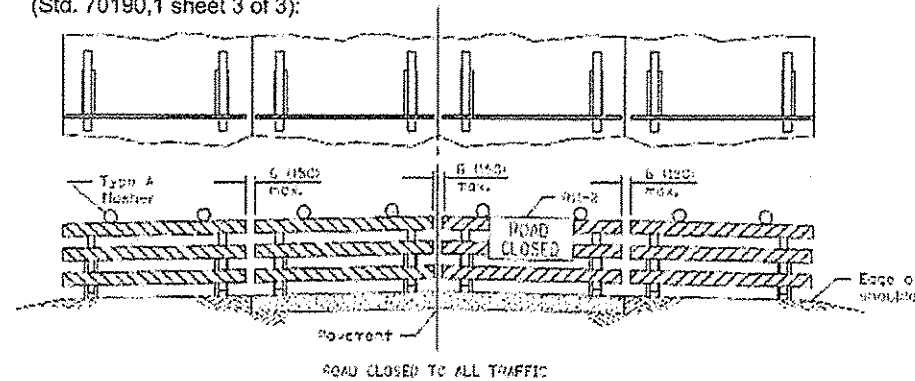
ALL GROUND BASED SIGNS SHALL BE POST OR STAND MOUNTED.

- 1)  Place in grass median ~400' west of I-74 overpass. on Washington St.
- 2) Close turn lane leading to entrance ramp underneath I-74 overpass. Mono lit devices @ 20' cts. Start at concrete median on east side of signals.
- 3)  Place in the closed turn lane below the I-74 overpass.  

- 4)  Attach to green board sign in the southern shoulder under overpass of I-74. Cover white arrow and affix utilizing stainless steel bolts.
- 5)  Place in the island at the intersection with Adams St.  

- 6)  Place on north shoulder of Jefferson St.  

- 7)  Place one set on both sides of Spalding Ave. midway between Jefferson & I-74 entrance ramp.  

- 8)  Place on I-74 entrance ramp immediately adjacent to sign truss on shoulder.

- 9)  Cover existing vertical arrow on light pole located in the southwest corner of Fayette & Adams St. Affix utilizing stainless steel bolts.
- 10)  Cover existing vertical arrow on signal mast arm located on Adams St. Affix utilizing stainless steel bolts.
- 11)  Place inside lane closure of Adams St. over I-74 near intersection with Spalding Ave.  

- 12)  Place behind lane closure on Adams St. bridge.
- 13)  Place on Jefferson St. prior to intersection with Bryan Ave. Two signs.










- 15) Cover yellow warning merge sign on WB I-74 adjacent to ramp on shoulder.
- 16) Place 100' of bi-directional lighted devices at 20 cts. where the tunnel enters WB I-74.

- 14) Close WB I-74 entrance ramp per the following (Std. 70190, 1 sheet 3 of 3):



Refactorized stringing may be omitted on the back side of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the sign may be mounted on an NCHRP 350 temporary sign support directly in front of the barricade.

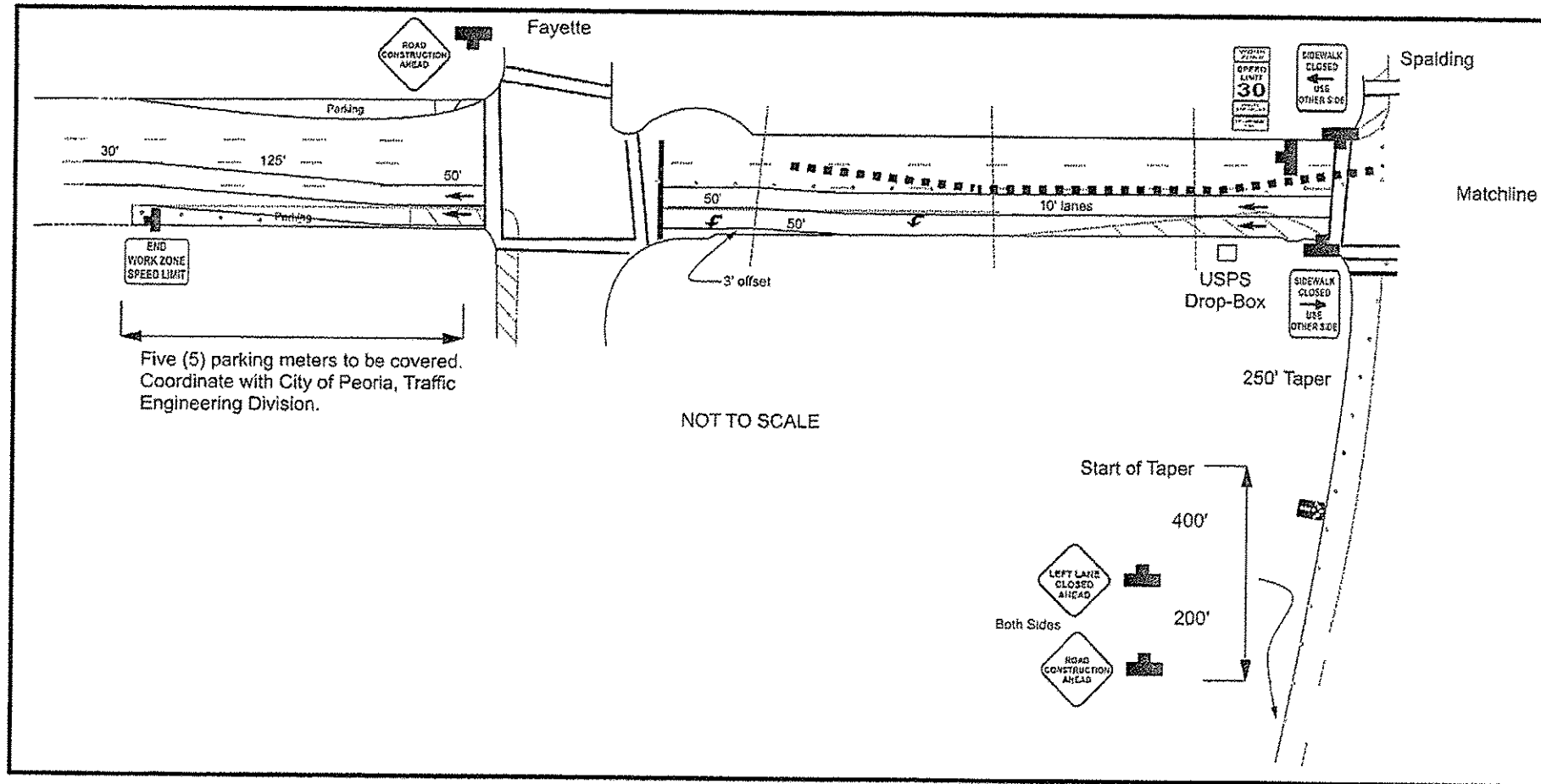
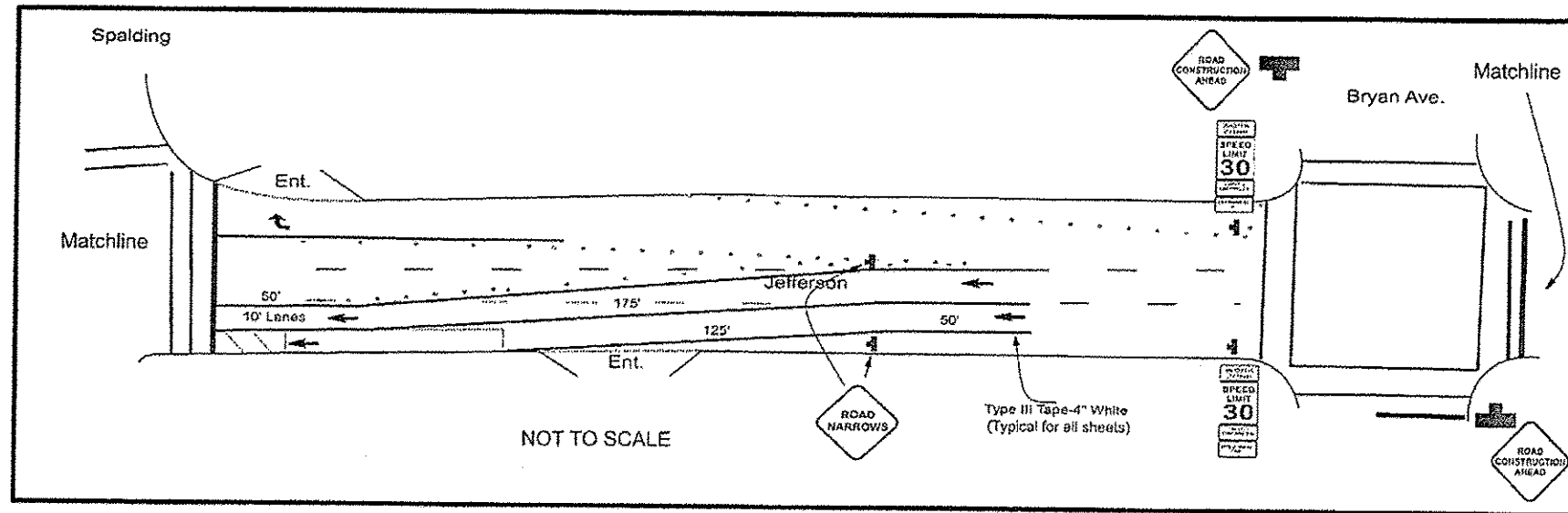
## SIGN INVENTORY

SIGN	DESCRIPTION	TOTAL
	W20-2 48X48	1
	M4-9 (R) 30 X 24	1
	M4-9 (L) 30 X 24	1
	30 X 24	5
	M4-8a 24 X 18	1
	M3-4 24 X 12 BLACK ON WHITE	6
	24 X 18 BLACK ON WHITE	6
	48 X 48 BLACK ON ORANGE	3
	R11-2 48 X 30	1

S:\GEN-ORATT-STD\PLANS-Signs\BRIDGE CO\TRAC15-DATA\ADDN-ST-94-001-14 5/8/12-0179-0182.dgn

FILE NAME * 46323 T.C.RP.dgn	USER NAME * jonesce	DESIGNED - CEJ	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	PROPOSED TRAFFIC CONTROL JEFFERSON AVE. OVER I-74 SN. 072-0179		F.A.I. RTE. I-74	SECTION 172-9-HDIBR	COUNTY PEORIA	TOTAL SHEETS 12	SHEET NO. 10
PLOT SCALE * 102.9963 1/ in.	CHECKED - ---	REVISOR - ---	DATE 03/10/2014		SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	STEEL GIRDER REP./REPL.		CONTRACT NO. 46323	
PLOT DATE * 5/5/2014	DATE	REVISOR					FED. ROAD DIST. NO. 4 ILLINOIS/IFD. AID PROJECT				

# Stage 1- Jefferson Street- Sheet 1/2



## SIGN INVENTORY

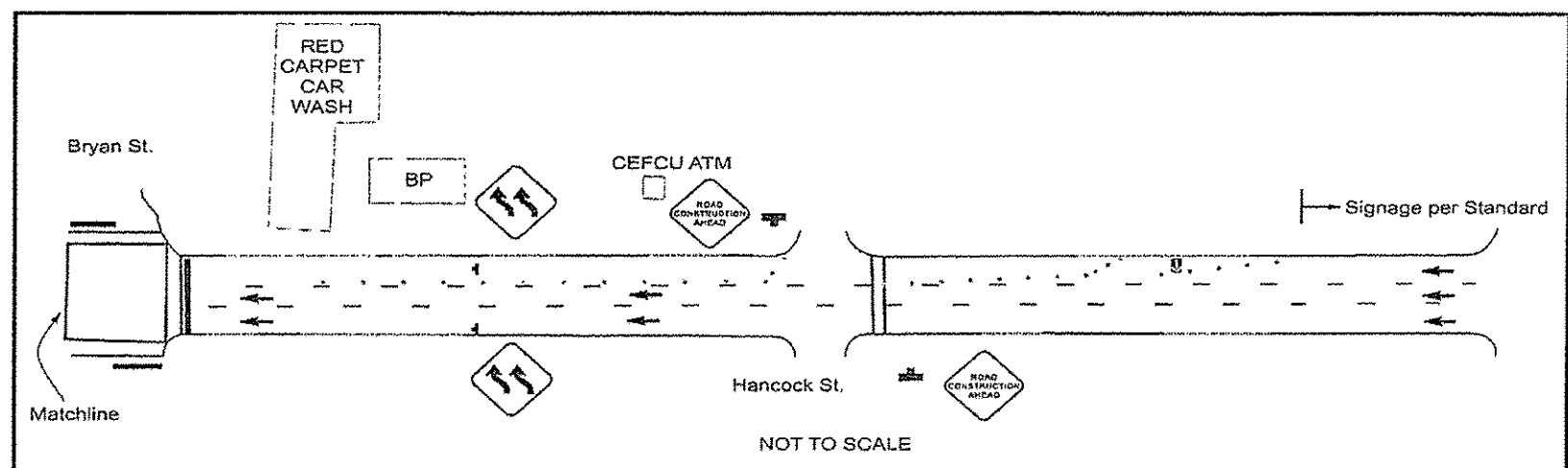
SIGN	DESCRIPTION	TOTAL
	W20-1103(0)-48	8
	W20-5R(0)-48	2
	W21-1(0)-48	2
	W1-7b-(0)-48	2
	See Standard 701901	3
	W20-5L(0)-48	2
	W5-1(0)-48	2
	G20-1103(0)-3660	1
	R11-1102-2430	1
	R11-1102-2430	1
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN	1

Type III Tape-4" White= 2300'  
 Type III Tape-4" Black= 650'  
 (Removal also included in "Traffic Control Special")

S:\CEN-ORMF 7 - STOK PLUS - Squad BRIDGES - BRIDGE CONTRACTS - DAYLADDER-SLT-94-001-14 SN072-0179-0182.dgn

FILE NAME * 46323 T.C.SP.dgn	USER NAME * Jonesco	DESIGNED - CEJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	PROPOSED TRAFFIC CONTROL JEFFERSON AVE OVER I-74 SN. 072-0179	F.A.I. RYE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE * 1/8" = 1'-0"	CHECKED -	DATE - 03/10/2014	REVISED -			I-74	172-9-HBIBR	PEORIA	12	11
PLOT DATE * 5/5/2014	DATE -	REVISED -	REVISED -			STEEL GIRDER REP./REPL.		CONTRACT NO. 46323		
						SCALE: _____ SHEET NO. _____ OF _____ SHEETS   STA. _____ TO STA. _____		FED. ROAD DIST. NO. & ILLINOIS FED. AID PROJECT		

# Stage 1- Jefferson Street- Sheet 2/2



## General Notes:

The USPS shall be contacted in regards to temporarily removing from service the mail drop-box.

Conflicting pavement markings (within the travelled lanes) shall be covered with black-out tape-Type III 4".

(NOTE: Some plane sheets show conflicting marking from existing layout on the proposed layout- ALL CONFLICTING PAVEMENT MARKINGS SHALL BE COVERED FROM VIEW.)

Any conflicting signs shall be covered from view.

Jefferson St. Traffic Control and Protection is based on Std. 701601. Std 701601 shall be used as a reference and to supplement details shown.

Std. 701801 shall also be utilized for the sidewalk closures

Sign spacing shall be 200' or greater.

All devices shall be lit with mono-directional lighting, unless specified otherwise.

Taper devices spaced at 20' cts. Longitudinal devices spaced at 25' cts.

Flaggers are not required due to speed but are encouraged when placing traffic control, placing barrier, and at other times which will provide a safer condition for work activities close to live traffic.

All signage, excluding pedestrian sidewalk signage, shall be stand mounted with a minimum road to sign height of 7'.

PCMS from Adams St. shall be utilized on Jefferson St. Placement and message to be discussed on project.

## Pre Stage 1: NOT SHOWN

This stage will allow the drilling of the carrier beam support holes.

Set-up Std 701601 (double lane closure).

Lane closure restrictions:

Lanes 3 & 4 (together) - shall not start prior to 8:30 am.  
Lane 4-shall be closed without restriction.

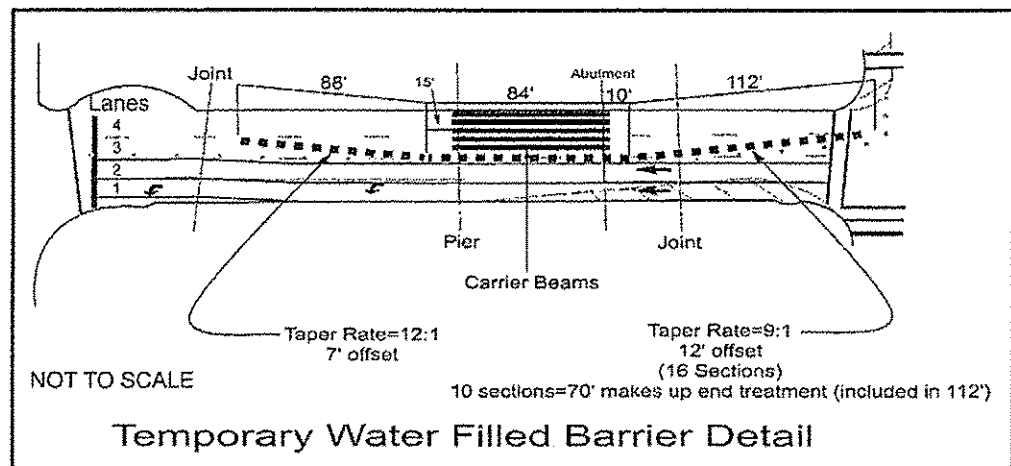
## Pre Stage 1A: NOT SHOWN

This stage will allow the covering & placement of pavement markings to facilitate Stage 1 work.

Set-up Std 701601 shall be utilized for Lane 2. (Closing Lane 2 also closes Lane 1.) An exit taper for access to southbound Fayette St. shall be provided for the travelling public.

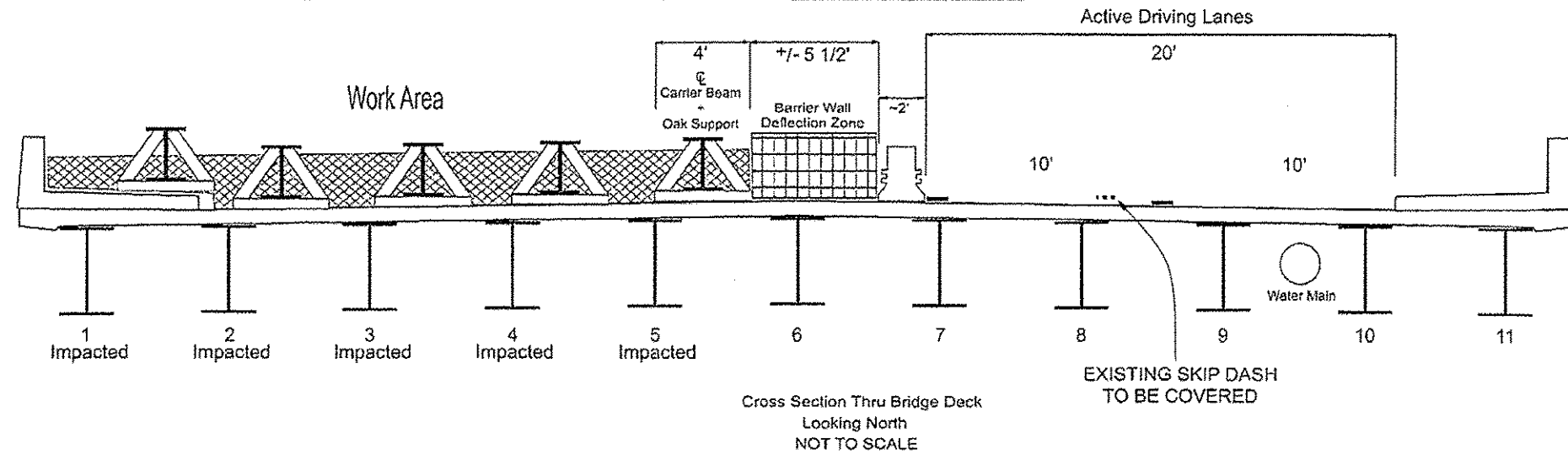
Lane closure restrictions:

Lanes 1 & 2 - shall not start prior to 8:30 am.



**LEGEND**

- = Temporary Water Filled Barrier
- = Temporary Water Filled Barrier Deflection Zone (To be kept clear of workers and equipment)
- = Work Area Equipment/Workers/Carrier Beams etc.
- = Existing Pavement Markings



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FILE NAME = 46323 T.C.SP.dgn	USER NAME = jomaxco	DESIGNED - CEJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED TRAFFIC CONTROL JEFFERSON AVE. OVER I-74 SN. 072-0179</b>	F.A.I. R.Y.E.	SECTION	COUNTY	TOTAL SHEET NO.
PLOT SCALE = 1/2" = 1'-0"	DRAWN - CEJ	CHECKED -	REVISED -			I-74	172-9-HBIBR	PEORIA	12
PLOT DATE = 5/5/2014	DATE - 03/10/2014	REVISED -	REVISED -			STEEL GIRDER REP./REPL.	CONTRACT NO. 46323		
						FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT			