



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

February 16, 2007

SUBJECT: FAP Route 619 (IL 71)
Project ACF-0619 (019)
Section (120)RS-2, BR,(121)RS-2
Putnam County
Contract No. 68569
Item No. 39, March 9, 2007 Letting
Addendum A

NOTICE TO PROSPECTIVE BIDDERS:

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

1. Revised pages 1 – 3 of the Schedule of Prices.
2. Revised Recurring Special Provisions.
3. Revised page i of the Table of Contents to the Special Provisions.
4. Revised pages 1, 6 – 8 and 27 – 30 of the Special Provisions.
5. Revised sheets 1, 3 – 9 and 13 – 20A of the Fold-Up Plans.

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bidding proposal.

Bidders using computer-generated bids are cautioned to reflect any and all Schedule of Prices changes, if involved, into their computer programs.

Very truly yours,

Eric E. Harm
Interim Bureau Chief
Bureau of Design and Environment

A handwritten signature in black ink, appearing to read 'Ted B. Walschleger' with a small 'P.E.' to the right.

By: Ted B. Walschleger, P. E.
Engineer of Project Management

cc: J. E. Crowe, Region 3, District 4; Roger Driskell; R. E. Anderson;
Estimates; Design & Environment File

TBW:RS:jc

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

68569

State Job # - C-94-043-06
 PPS NBR - 4-00159-0000
 County Name - PUTNAM -
 Code - 155 - -
 District - 4 - -
 Section Number - (120)RS-2, BR, (121)RS-2

Project Number
 ACF-0619/019/

Route
 FAP 619

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
X0301512	GDRL AGG EROS CONT	TON	282.000				
X0321374	GRADING & SHAP SHLDS	FOOT	29,240.000				
X2503100	MOWING	UNIT	295.000				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
* DELETED							
Z0048665	RR PROT LIABILITY INS	L SUM	1.000				
* DELETED							
* 40600200	BIT MATLS PR CT	TON	33.900				
* 40600300	AGG PR CT	TON	169.400				
40600982	HMA SURF REM BUTT JT	SQ YD	202.000				
40600990	TEMPORARY RAMP	SQ YD	101.000				
* 40603335	HMA SC "D" N50	TON	7,126.400				
44000155	HMA SURF REM 1 1/2	SQ YD	84,635.000				
* DELETED							
44201863	CL D PATCH T2 18	SQ YD	1,144.000				
* REVISED : FEBRUARY 16, 2007							

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Project Number
 ACF-0619/019/

Route
 FAP 619

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price	
44201867	CL D PATCH T3 18	SQ YD	35.000					
44201869	CL D PATCH T4 18	SQ YD	26.000					
48101200	AGGREGATE SHLDS B	TON	1,081.000					
* DELETED								
* DELETED								
63000000	SPBGR TY A	FOOT	100.000					
63100089	TRAF BAR TERM T6B	EACH	4.000					
63100169	TR BAR TRM T1 SPL FLR	EACH	26.000					
63200305	SPBGR REM	FOOT	250.000					
63304385	TRAF BAR TERM REM T1	EACH	26.000					
63304700	TRAF BAR TERM REM T5	EACH	4.000					
67000400	ENGR FIELD OFFICE A	CAL MO	8.000					
67100100	MOBILIZATION	L SUM	1.000					
* DELETED								
70100450	TRAF CONT-PROT 701201	L SUM	1.000					
			* REVISED : FEBRUARY 16, 2007					

ILLINOIS DEPARTMENT OF TRANSPORTATION
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Project Number
 ACF-0619/019/

Route
 FAP 619

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
70100460	TRAF CONT-PROT 701306	L SUM	1.000				
70102620	TR CONT & PROT 701501	L SUM	1.000				
70103815	TR CONT SURVEILLANCE	CAL DA	31.000				
* DELETED							
* 70300100	SHORT-TERM PAVT MKING	FOOT	5,878.000				
70300610	TEMP PT PAVT MK L&S	SQ FT	122.000				
* 70300625	TEMP PT PVT M LINE 4	FOOT	90,761.000				
70300660	TEMP PT PVT M LINE 24	FOOT	72.000				
* 70301000	WORK ZONE PAVT MK REM	SQ FT	1,959.000				
78005100	EPOXY PVT MK LTR-SYM	SQ FT	122.000				
* 78005110	EPOXY PVT MK LINE 4	FOOT	90,761.000				
78005180	EPOXY PVT MK LINE 24	FOOT	72.000				
78100100	RAISED REFL PAVT MKR	EACH	368.000				
78200410	GUARDRAIL MKR TYPE A	EACH	16.000				
78201000	TERMINAL MARKER - DA	EACH	26.000				
* REVISED : FEBRUARY 16, 2007							

RECURRING SPECIAL PROVISIONS

The following RECURRING SPECIAL PROVISIONS indicated by an "X" are applicable to this contract and are included by reference:

<u>CHECK SHEET #</u>	<u>PAGE NO.</u>
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2 X Subletting of Contracts (Federal-Aid Contracts) (Eff. 1-1-88) (Rev. 5-1-93)	3
3 X EEO (Eff. 7-21-78) (Rev. 11-18-80)	4
4 Specific Equal Employment Opportunity Responsibilities Non Federal-Aid Contracts (Eff. 3-20-69) (Rev. 1-1-94)	14
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8 Haul Road Stream Crossings, Other Temporary Stream Crossings, and In-Stream Work Pads (Eff. 1-2-92) (Rev. 1-1-98).....	26
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10 X Construction Layout Stakes (Eff. 5-1-93) (Rev. 1-1-07)	30
11 Use of Geotextile Fabric for Railroad Crossing (Eff. 1-1-95) (Rev. 1-1-07).....	33
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Revised 02/16/2007

STATE OF ILLINOIS

SPECIAL PROVISIONS

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction," adopted January 1, 2007, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways," and the "Manual of Test Procedures for Materials" in effect on the date of invitation for bids, and the Supplemental Specifications and Recurring Special Provisions indicated on the Check Sheet included herein which apply to and govern the construction of FAP Route 619 (IL 71), Project ACF-0619 (019), Section (120)RS-2, BR, (121)RS-2 in Putnam County and in case of conflict with any part or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

LOCATION OF PROJECT

This project is located along Illinois Route 71 from just east of Illinois Route 26 to Illinois Route 89 in Putnam County.

DESCRIPTION OF PROJECT

The improvement on this project include pavement patching, cold milling, single-lift hot mix asphalt overlay, and wearing surface replacement on Structure No. 078-0030.

AGGREGATE QUALITY

Effective July 1, 1990

Revised September 23, 1996

Coarse aggregate for Granular Embankment Special, Sub-base Granular Material, Aggregate Shoulders, Aggregate Surface and Base Courses, and Erosion Control Aggregate shall conform to Article 1004.04 of the Standard Specifications for Road and Bridge Construction except that all of the following revisions to Article 1004.04(b) shall apply:

1. Revise the maximum allowable percentage of weighted average loss when the material is subjected to 5 cycles of sodium sulfate soundness test from 25%, as shown under the Class D of the Quality Chart in Article 1004.01(b) of the Standard Specifications, to 40%; and
2. Revise the maximum allowable percentage of wear as determined by the Los Angeles Abrasion Method from 45%, as shown under Class D of the Quality Chart in Article 1004.01(b) of the Standard Specifications, to 65%; and

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Basis of Payment: Guardrail Aggregate Erosion Control will be paid for at the contract unit price per ton (metric ton) for GUARDRAIL AGGREGATE EROSION CONTROL measured as specified herein. The Geotextile Fabric will not be measured for payment, but shall be included in the cost per ton (metric ton) for GUARDRAIL AGGREGATE EROSION CONTROL.

TRAFFIC BARRIER TERMINALS

Effective February 1, 1996

Revised November 5, 2004

Widening of existing shoulders/slopes for the construction of Traffic Barrier Terminals shall be completed as directed by the Engineer and paid for as specified in Article 109.04 of the Standard Specifications.

TRAFFIC CONTROL PLAN

Effective December 7, 2006

Traffic control shall be in accordance with the applicable sections of the "Standard Specifications for Road and Bridge Construction," the applicable guidelines contained in the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways," these Special Provisions, and any special details and Highway Standards contained herein and in the plans.

Special attention is called to Section 701 and Articles 107.09 and 107.14 of the "Standard Specifications for Road and Bridge Construction" and the following Highway Standards relating to traffic control:

701201 701301 701306 701311 701336 701501 702001

Traffic Control surveillance is required for this project.

The governing factor in the execution and staging of work for this project is to provide the motoring public with the safest possible travel conditions through the work zone. The Contractor shall arrange their operations to keep the closing of individual sections of lanes and traffic backup to a minimum.

The Contractor shall coordinate all traffic control work on this project with the adjoining Contractor performing work simultaneously on Structure Number 078-0031.

Overnight lane closures will not be allowed.

Complete lane closure in either the eastbound or the westbound lane will not be permitted for any construction operation.

Pavement patching will be permitted along an individual section of a single lane. The patching operation will be performed in such a manner as to have all lanes open to traffic at the end of each day. Patching will be completed along the entire length of a single lane prior to beginning the patching operation on the adjacent lane.

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All roadway operations will be coordinated with the construction of Structure Number 078-0031, such that staggered lane closures do not exist for the roadway operation and the staged construction work on Structure Number 078-0031.

Staggered lane closures will not be permitted for the stage construction work on Structure Number 078-0031.

COOPERATION WITH OTHER CONTRACTORS

Reconstruction of Structure Number 078-0031, located at Station 303+77.20, will be ongoing during the construction of this project. The Contractor shall coordinate their operations with the Contractor working on Structure Number 078-0031 to ensure that traffic continuity and safety is maintained at all times during the construction of both contracts.

MOWING

This work shall consist of mowing the roadway foreslopes to the ditchline or for a width of 15' (4.572 meters) from the edge of pavement or paved shoulder, whichever is less. At intersecting roadways, the mowing shall extend to the proposed right-of-way for a distance of 150' (45m) on either side of the intersection. The height of the mowing shall not be more than 6" (150mm). Equipment used shall be capable of completely severing all growth at the cutting height and distributing it evenly over the mowed area. The Contractor will not be required to mow continuously wet ditches and drainage ways, slopes greater than 1:3 (V:H), or areas which may be designated by the Engineer as not mowable. Mowing shall be done within the project limits during the construction of the project as directed by the Engineer and prior to the final inspection of the project. Any subsequent mowing required to disperse mowed material shall be considered as included in the cost of the mowing. Debris encountered during mowing, which interferes with the mowing operation or is visible from the roadway shall be removed and disposed of according to Article 250.05.

Method of Measurement: Mowing will be measured for payment in units of 100' (30m) in horizontal distances along the roadway centerline. For purposes of measurement, the quantity of units to be paid for each mowing is defined as the net length of the project as shown on the cover sheet of the construction plans divided by 100' (30m). No allowances will be made for variations in width of mowing. The unit measurement along the roadway centerline shall include the mowing operation required for both the eastbound lane foreslope and the westbound lane foreslope of the roadway combined. Separate measurements for the mowing of the eastbound lane foreslope and the westbound lane foreslope will not be allowed.

Basis of Payment: This work will be paid for at the contract unit price per Unit for MOWING.

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GRADING AND SHAPING SHOULDERS

This work shall consist of furnishing all labor, equipment and materials for grading and shaping the existing grass shoulders and seeding and mulching the disturbed areas at the locations shown in the plans.

The grading of the existing shoulders shall be performed in such a manner as to provide for positive drainage of the roadway and aggregate shoulders surface water runoff. The work will be performed in accordance with Articles 202.02, 202.03 and 202.05 of Section 202 of the Standard Specifications.

Seeding will be performed in accordance with Section 250 of the Standard Specifications. Seeding mixture Class 2A – Salt Tolerant Roadside Mixture shall be used at all locations.

Mulching will be performed in accordance with Section 251 of the Standard Specifications. Mulch Method 2 shall be used at all locations.

Disposal of excess graded material shall be done in accordance with Article 202.03 of Section 202 of the Standard Specifications.

The grading and shaping operation shall be performed in such a manner as to cover the exposed graded shoulder with seed and mulch within the work day that the grading operation was performed. No graded shoulder shall be allowed to remain as exposed soil overnight. If inclement weather is impending during the workday, the Contractor shall cease grading operations and ensure that the remaining exposed soils is seeded and mulched.

Method of Measurement: This work will be measured for payment in units of linear feet of shoulder graded, seeded and mulched.

Basis of Payment: This work will be paid for at the contract unit price per foot for GRADING AND SHAPING SHOULDERS.

DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION (BDE)

Effective: September 1, 2000

Revised: January 1, 2007

FEDERAL OBLIGATION. The Department of Transportation, as a recipient of federal financial assistance, is required to take all necessary and reasonable steps to ensure nondiscrimination

Revised 02/16/2007

least 2.00 oz/sq ft (610 g/sq m). The overall combined weight (mass) of the coating on both sides shall meet or exceed 4.00 oz/sq ft (1220 g/sq m). The thickness of the zinc or zinc alloy will be determined for each side using the average of at least three non-destructive test readings taken on that side of the guardrail. The minimum average thickness for each side shall be 3.1 mils (79 µm).”

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)

Effective: April 2, 2005

To account for the preparatory work and operations necessary for the movement of subcontractor personnel, equipment, supplies, and incidentals to the project site and for all other work or operations that must be performed or costs incurred when beginning work approved for subcontracting in accordance with Article 108.01 of the Standard Specifications, the Contractor shall make a mobilization payment to each subcontractor.

This mobilization payment shall be made at least 14 days prior to the subcontractor starting work. The amount paid shall be equal to 3 percent of the amount of the subcontract reported on form BC 260A submitted for the approval of the subcontractor’s work.

This provision shall be incorporated directly or by reference into each subcontract approved by the Department.

WATER BLASTER WITH VACUUM RECOVERY (BDE)

Effective: April 1, 2006

Revised: January 1, 2007

Add the following to Article 783.02 of the Standard Specifications.

“(c) Water Blaster with Vacuum Recovery 1101.12”

Revise Article 1101.12 of the Standard Specifications to read.

“**1101.12 Water Blaster with Vacuum Recovery.** The water blaster shall remove the stripe from the pavement using a high pressurized water spray with a vacuum recovery system to provide a clean, almost dry surface, without the use of a secondary cleanup process. The removal shall be to the satisfaction of the Engineer. The equipment shall contain a storage system that allows for the storage of the wastewater while retaining the debris. The operator shall be in immediate control of the blast head.”

WORKING DAYS (BDE)

Effective: January 1, 2002

The Contractor shall complete the work within 35 working days.

Revised 02/16/2007

FAP Route 619 (IL 71)
Project ACF-0619 (019)
Section (120)RS-2, BR, (121)RS-2
Putnam County
Contract 68569

Deleted 02/16/2007

FAP Route 619 (IL 71)
Project ACF-0619 (019)
Section (120)RS-2, BR, (121)RS-2
Putnam County
Contract 68569

Deleted 02/16/2007

BITUMINOUS MATERIALS COST ADJUSTMENTS (BDE) (RETURN FORM WITH BID)

Effective: November 2, 2006

Revised: January 2, 2007

Description. For projects with at least 1200 tons (1100 metric tons) of work involving applicable bituminous materials, cost adjustments will be made to provide additional compensation to the Contractor, or credit to the Department, for fluctuations in the cost of bituminous materials when optioned by the Contractor. The adjustments shall apply to permanent and temporary hot-mix asphalt (HMA) mixtures, bituminous surface treatments (cover and seal coats), and pavement preservation type surface treatments. The adjustments shall not apply to bituminous prime coats, tack coats, crack filling/sealing, or joint filling/sealing.

The bidder shall indicate on the attached form whether or not this special provision will be part of the contract and submit the completed form with his/her bid. Failure to submit the form, or failure to fill out the form completely, shall make this contract exempt of bituminous materials cost adjustments.

Method of Adjustment. Bituminous materials cost adjustments will be computed as follows.

$$CA = (BPI_P - BPI_L) \times (\%AC_V / 100) \times Q$$

Where: CA = Cost Adjustment, \$.

BPI_P = Bituminous Price Index, as published by the Department for the month the work is performed, \$/ton (\$/metric ton).

BPI_L = Bituminous Price Index, as published by the Department for the month prior to the letting, \$/ton (\$/metric ton).

%AC_V = Percent of virgin Asphalt Cement in the Quantity being adjusted. For HMA mixtures, the % AC_V will be determined from the adjusted job mix formula. For bituminous materials applied, a performance graded or cutback asphalt will be considered to be 100% AC_V and undiluted emulsified asphalt will be considered to be 65% AC_V.

Q = Authorized construction Quantity, tons (metric tons) (see below).

For HMA mixtures measured in square yards: $Q, \text{ tons} = A \times D \times (G_{mb} \times 46.8) / 2000$. For HMA mixtures measured in square meters: $Q, \text{ metric tons} = A \times D \times (G_{mb} \times 24.99) / 1000$. When computing adjustments for full-depth HMA pavement, separate calculations will be made for the binder and surface courses to account for their different G_{mb} and % AC_V.

For bituminous materials measured in gallons: $Q, \text{ tons} = V \times 8.33 \text{ lb/gal} \times SG / 2000$

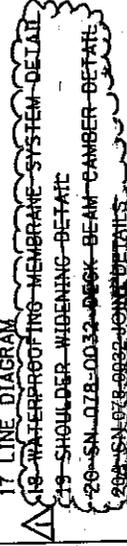
For bituminous materials measured in liters: $Q, \text{ metric tons} = V \times 1.0 \text{ kg/L} \times SG / 1000$

Revised 02/16/2007



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
FAP 619 ROUTE IL 71
SECTION (120)RS-2, BR, (121)RS-2
PROJECT ACF-0619 (019)
PUTNAM COUNTY

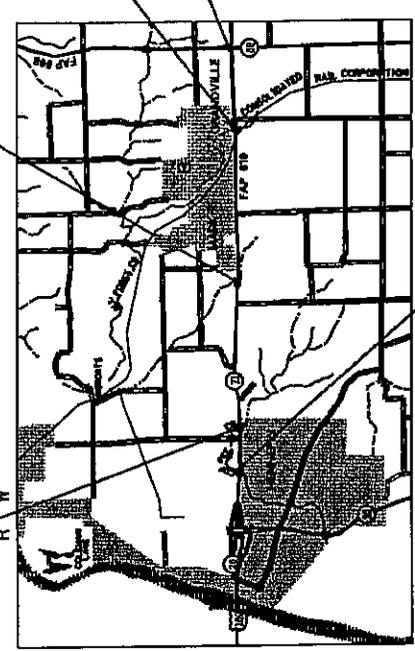
- INDEX OF SHEETS
1 COVER SHEET
2-3 COMMITMENTS / GENERAL NOTES
4-6 SUMMARY OF QUANTITIES
7-14 SCHEDULE OF QUANTITIES
15 JOB LOCATION MAP
16 TYPICAL SECTIONS
17 LINE DIAGRAM
18 WATERPROOFING-MEMBRANE-SYSTEM-DETAIL
19 SHOULDER-WIDENING-DETAIL
20-SN-078-0032-DECK-BEAM-CAMBER-DETAIL
21-SN-078-0032-CONCRETE-RAILS
21-26 DISTRICT CADD STANDARDS
HIGHWAY STANDARDS



COFFEE CREEK
STRUCTURE NUMBER
078-0032

C-94-043-06

INTERMITTENT STREAM
OLD SN 078-0031/
NEW SN 078-0008



DRAINAGE DITCH
STRUCTURE NUMBER
078-0030

IMPROVEMENT ENDS
STA. 489 + 68.13

DESIGN DESIGNATION
MINOR ARTERIAL,
CLASS II
TRUCK ROUTE

STANDARDS

- 442201-02
- 630001-07 630301-04
- 631033-02 635006-02
- 701201-02 701301-02
- 701306-01 701311-02
- 701316-03 701336-04
- 701501-03 702001-06
- 780001-01 781001-02

IMPROVEMENT BEGINS
STA. 158 + 39.50

JULIE
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-382-0123

NPDES PERMIT
REQUIRED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED *Dec 22* 20 *06*
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

ADT = 4,800 VEHICLES
MU = 8%

GROSS LENGTH = 5.90 MILES
NET LENGTH = 5.58 MILES

CONTRACT NO. 68569
CATALOG NO. 033197-01D

DELETED 2/15/07

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

ROUTE		SECTION	COUNTY	SHEET
F.A.P.	619	(120)RS-2, BR, (121)RS-2	PUTNAM	TOTAL NO.
MKD.	IL 71			26
				3

GENERAL NOTES

BITUMINOUS CONCRETE MIXTURE REQUIREMENT

Mixture Uses(s):	Surface Course	HMA Base Use Widening
AC / PG	PG 64-22	PG 64-22
RAP % (Max)	15% (max)	25% (max)
Design Air Voids:	4.2% @ N=50	4.2% @ N=50
Mixture Composition: (GRADATION MIXTURE)	IL 9.5 or 12.5	IL 19.0
Friction Aggregate:	MIXTURE D	N.A.

TRANSITION PAYMENT METHOD - NEW/OLD CONSTRUCTION

Three meter (3 m) (10 ft) transitions shall be used to match proposed items of work to existing items in the field unless otherwise shown. The transition shall be paid for at the contract unit price for the proposed item of work specified.

ENGINEERS FIELD OFFICE

Add the following sentence to the end of paragraph 670.02(f) and 670.04(e):

All of the telephone lines provided shall have unpublished numbers.

PROJECT SPECIFIC GENERAL NOTES

~~All structure Number 078-0032, Contractor shall close out all horizontal drains in the parapet walls during construction operations. The cost is to be included with the associated pay items.~~

~~Prior to Keyway repair the Resident Engineer shall contact Mark Eckhoff (309-671-4463) of District 4 Bureau of Operations.~~

SIGN CONVENTION FOR STATIONING

All stationing was derived from the C of the SN 078-0035 = Sta. 157+56.25 and continued east to the job limit.

BRIDGE OVERLAY NOTIFICATION

After placement of the bridge deck overlay, the Resident Engineer shall notify the District Bridge Maintenance Engineer of the "as-constructed" milling depth and overlay thickness for updating the Illinois Highway Information System.

BUTT JOINTS CUTTING TIME RESTRICTION

Butt joints shall not be milled more than three (3) days prior to placement of the bituminous surface course

PAVING SURFACE COURSE

Continuous paving operations on the main roadway shall be maintained at all times during the construction of the bituminous surface. No interruptions for side roads, entrances, turn lanes, etc. will be allowed

GENERAL NOTES (2)
IL 71 (FAP 619)
GRANVILLE

DELETED 2/15/07

CONTRACT: 68569

ROUTE		SECTION		COUNTY		SHEET	
F.A.P.	619	(120)RS-2, BR, (121)RS-2		PUTNAM		TOTAL	NO.
MKD.	IL 71					26	4

SUMMARY OF QUANTITIES		80/FED 20/ST		I 000		SFTY-ZA	
CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	ROADWAY	GUARDRAIL	IMPACT ATTENUATORS	BRIDGE
40600246	HOT-MIX ASPHALT BASE COURSE WIDENING 10'	SQ YD	533	533			BRIDGE SN 078-0030
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	33.8	33.8			SN 078-0032
40600300	AGGREGATE (PRIME COAT)	TON	169.4	169.4			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	202	202			
40600990	TEMPORARY RAMP	SQ YD	101	101			
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX 10', N50	TON	7126.43	7118.6			
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	84,635	84,541			
44201863	HOT-MIX ASPHALT SURFACE REMOVAL	SQ YD	346	346			
44201867	CLASS D PATCHES, TYPE III, 18 INCH	SQ YD	1,144	1,144			
44201869	CLASS D PATCHES, TYPE IV, 18 INCH	SQ YD	35	35			
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1,081	1,081			
52000000	PERFORMED JOINT SEAL, 2-1/2"	FOOT	14	14			
55100000	WATERPROOFING MEMBRANE SYSTEM	SQ YD	340	340			
63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	100	100			
65100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	4	4			

SUMMARY OF QUANTITIES (1)
IL 71 GRANVILLE

* SPECIALTY ITEM Δ REVISED 2/15/07

CONTRACT: 68569

ROUTE		SECTION	COUNTY	SHEET
F.A.P.	619	(120)RS-2, BR, (121)RS-2	PUTNAM	TOTAL
MKD.	IL 71			26
				5

SUMMARY OF QUANTITIES		80% FED 20% ST.	1000	IMPACT ATTENUATORS	SFTY-ZA
CODE NO.	PAY ITEM	UNIT	ROADWAY	GUARDRAIL	BRIDGE
		TOTAL QUANTITY	1000	SFTY - 3N	BRIDGE SN 078-0030 SN 078-0032
63100169	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (FLARED)	EACH	26	26	
63200305	STEEL PLATE BEAM GUARD RAIL REMOVAL	FOOT	250	250	
63304365	TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 1	EACH	26	26	
63304700	TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 5	EACH	4	4	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL.MO	8	8	
67100100	MOBILIZATION	L.SUM	1	1	
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L.SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L.SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L.SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL.DA	31	31	
70166500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
70300100	SHORT - TERM PAVEMENT MARKING	FOOT	5878	5878	80
70300610	TEMPORARY PAINT PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ.FT	122	122	
70300625	TEMPORARY PAINT PAVEMENT MARKING LINE 4"	FOOT	90,761	90,711	173.0

SUMMARY OF
QUANTITIES (2)
IL 71 GRANVILLE

* SPECIALTY ITEM  REVISED 2/15/07

CONTRACT: 68569

ROUTE		SECTION	COUNTY	SHEET
F.A.P.	619	(120)RS-2, BR, (121)RS-2	PUTNAM	TOTAL
MKD.	IL 71			26
				NO.
				6

SUMMARY OF QUANTITIES		I 000		SFTY-ZA			
CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	ROADWAY	GUARDRAIL	IMPACT ATTENUATORS	BRIDGE
70300660	TEMPORARY PAINT PAVEMENT MARKING LINE 24"	FOOT	72	1000			BRIDGE SN 078-0030
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,959				SN 078-0032
78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	122				
78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	90,711				
78005180	EPOXY PAVEMENT MARKING - LINE 24"	FOOT	72				
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	368				
78200410	GUARDRAIL MARKERS, TYPE A	EACH	16		16		
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	26				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	368				
X0301512	GUARDRAIL AGGREGATE EROSION CONTROL	TON	282		282		
X0321374	GRADING AND SHAPING SHOULDERS	FOOT	29,240				
X2503100	MOWING	UNIT	295				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1				
Z0022700	REPAIR	FOOT	293				
Z0048665	RAIL ROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1				

SUMMARY OF QUANTITIES (3)
IL 71 GRANVILLE

NON-PARTICIPATING
SPECIALTY ITEM
REVISED 2/15/07

CONTRACT: 68569

ROUTE		SECTION		COUNTY		SHEET	
F.A.P.	619	(120)RS-2, BR,	(121)RS-2	PUTNAM		TOTAL	NO.
MKD.	IL 71					26	7

TABULATION OF RESURFACING QUANTITIES

LOCATION	TOTAL ROADWAY WIDTH	LENGTH	AREA	BITUMINOUS SURFACE REMOVAL BUTT JOINT	TEMPORARY RAMP	BITUMINOUS SURFACE REMOVAL 15 IN. (VAR. DEPTH)	HOT-MIX ASPHALT SURF REPAIR	BITUMINOUS AGGREGATE MATERIALS PRIME COAT	BITUMINOUS AGGREGATE MATERIALS PRIME COAT	HOT MIX ASPHALT SURF CSE MIX "D", NBD	AGGREGATE SHOULDERS TYPE B	WATER PROOFING MEMBRANE	KEYWAY REPAIR	PREFORMED JOINT SEAL 2.5"
	FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	TON	TON	TON	TON	FOOT
STA. 158 + 39.5 TO 168 + 78	26.00	1038.50	3000.11	28.9	14.4	2884.6	2884.6	1.19	6.00	252.01	39.50			
STA. 168 + 78 TO 179 + 14.7	26.00	1036.70	2994.91	28.9	14.4	3052.7	3052.7	1.19	5.99	251.57	39.43			
TR 36 INTERSECTION OMISSION														
STA. 196 + 19.4 TO 219 + 39.4	26.00	2319.60	6701.07	57.8	28.8	6422.3	6422.3	2.59	12.72	544.33	88.24			
STA. 200 + 14 TO STA. 201 + 67.2	40.00	76.56	346.98											
STA. 201 + 67.2 TO STA. 201 + 67.2	26.00	2320.40	6705.38											
STA. 219 + 39 TO 242 + 59.4	26.00	2165.00	6254.44											
STA. 242 + 59.4 TO 264 + 24.4	26.00	2165.00	6255.89											
STA. 264 + 24.4 TO 285 + 89.9	26.00	2642.00	7632.44											
STA. 285 + 89.9 TO 312 + 31.9	26.00	2641.10	7629.84											
STA. 312 + 31.9 TO 338 + 73.0	26.00	3064.00	8853.29											
STA. 338 + 73.0 TO 369 + 37	26.00	1204.00	3478.22	57.8	28.8	3478.3	3478.3	1.41*	7.03*	295.16*	45.80			
STA. 369 + 37 TO 400 + 01.6	26.00	1203.20	3475.91											
STA. 400 + 01.6 TO 412 + 09.6	26.00	2280.00	6586.67											
@ WESTSIDE OF RAILROAD TRACKS - HMA BUTT JOINT FROM STA. 406+29 TO STA. 406+39 -> PLACE BUTT JOINT ADJACENT TO THE RR PANELS														
@ WESTSIDE OF RAILROAD TRACKS - HMA BUTT JOINT FROM STA. 409+66 TO STA. 409+75 -> PLACE BUTT JOINT ADJACENT TO THE RR PANELS														
STA. 412 + 05.6 TO 424 + 08.8	26.00	2279.33	6584.73	28.9	14.4	6584.73	6584.73	2.62	13.17	553.12	86.70			
STA. 424 + 08.8 TO 446 + 88.8	26.00	2279.33	6584.73											
STA. 446 + 88.8 TO 469 + 69.13	26.00	202.2	546.95	202.2	101.1	546.95	546.95	34.0	170.1	7125.1	1080.6			
TOTALS (FOR THE COLUMNS)				202.2	101.1	546.95	546.95	34.0	170.1	7125.1	1080.6	340	293	44
TOTALS (ROUNDED)				202	101	547	547	34.0	170	7126	1081	340	293	44

* NOTE: ADDITIONAL QUANTITY FROM 078-0030 & 078-0031 BRIDGE SHOULDERS INCLUDED IN TOTALS (SEE CALC SHEETS)
 ** NOTE: SURFACE QUANTITIES OMITTED FROM THIS BREAKOUT AND INCLUDED IN SEPARATE BRIDGE QUANTITY SHEET
 *** NOTE: CURB AND GUTTER AND TYPE A GUTTER OMISSION FROM STA. 220+65.2 TO STA. 230+82.3

BITUMINOUS & AGGREGATE APPLICATION RATES

SURFACE TYPE	
BIT. SURF. COURSES	112 LB /SQ YD/M
ALL OTHER BIT.	112 LB /SQ YD/M
AGGREGATE SHOULDERS	2.05 TONS/CUYD

PRIME COAT APPLICATION RATES

SURFACE TYPE	BIT PR COAT	AGG PR COAT
COLD MILLED SURFACES	0.1 (GAL/SQ YD)	(LB/SQ YD)
EXISTING PAVEMENT	0.05	4
NEW BITUMINOUS COURSES	0.03	4

*0.004 TONS/GAL

REVISION 2/15/07

SCHEDULE OF QUANTITIES (1)
 IL 71 GRANVILLE

CONTRACT: 68569

ROUTE		SECTION	COUNTY	SHEET
F.A.P.	619	(120)RS-2, BR,	PUTNAM	TOTAL
MKD.	IL 71	(121)RS-2		26
				8

TRAFFIC CONTROL & PROTECTION, STANDARD 701306	
LOCATION	L SUM
	1
TOTAL	1

TRAFFIC CONTROL & PROTECTION, STANDARD 701201	
LOCATION	L SUM
	1
TOTAL	1

TRAFFIC CONTROL & PROTECTION, STANDARD 701501	
LOCATION	L SUM
	1
TOTAL	1

TRAFFIC CONTROL & PROTECTION, STANDARD 701316	
LOCATION	EACH
SN 078-0032, Sta. 200+11.4 to Sta. 200+87.9	1
TOTAL	1

MOBILIZATION	
LOCATION	L SUM
	1
TOTAL	1

TRAFFIC CONTROL SURVEILLANCE	
LOCATION	CAL DAY
	31
TOTAL	31

ENGINEER'S FIELD OFFICE TYPE A	
LOCATION	CAL MO
	8
TOTAL	8

GUARDRAIL AGGREGATE EROSION CONTROL	
LOCATION	TON
	281.5
TOTAL (ROUNDED)	282 *

* TO BE USED AT THE RESIDENT ENGINEER'S DISCRETION

CONSTRUCTION LAYOUT	
LOCATION	L SUM
	1
TOTAL	1

RAISED REFLECTIVE PAVEMENT MARKER	
LOCATION	UNIT
Sta. 158+39.50 to Sta. 179+14.70	26
TR 36 INTERSECTION OMISSION	
Sta. 196+19.40 to Sta. 242+59.35	58
Sta. 242+59.35 to Sta. 285+89.93	54
Sta. 285+89.93 to Sta. 338+73.03	66
Sta. 338+73.03 to Sta. 400+01.34	77
Sta. 400+01.64 to Sta. 424+08.79	30
Sta. 424+08.79 to Sta. 469+68.13	57
TOTAL	368

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	
LOCATION	UNIT
Sta. 158+39.50 to Sta. 179+14.70	26
TR 36 INTERSECTION OMISSION	
Sta. 196+19.40 to Sta. 242+59.35	58
Sta. 242+59.35 to Sta. 285+89.93	54
Sta. 285+89.93 to Sta. 338+73.03	66
Sta. 338+73.03 to Sta. 400+01.34	77
Sta. 400+01.64 to Sta. 424+08.79	30
Sta. 424+08.79 to Sta. 469+68.13	57
TOTAL	368

MOWING	
LOCATION	UNIT
JOBSITE (1 MOWING OPERATION)	295
TOTAL	295

SCHEDULE OF
QUANTITIES (2)
IL 71 GRANVILLE

REVISD 2/15/07

CONTRACT: 68569

ROUTE		SECTION	COUNTY	SHEET
F.A.P.	619	(120)RS-2, BR, (121)RS-2	PUTNAM	TOTAL
MKD.	IL 71			26
				9

CLASS D PATCH - 18 INCHES

LOCATION	PATCH UNIT	TYPE II		TYPE III		TYPE IV	
		NO. OF PATCHES	SQ YDS	NO. OF PATCHES	SQ YDS	NO. OF PATCHES	SQ YDS
STA. 159+39.50 TO STA. 179+14.70 TR. 36 INTERSECTION OMISSION	1	22	176.5				
STA. 196+18.40 TO STA. 242+59.35	2	29	196.8				
STA. 242+59.35 TO STA. 285+89.93	3	22	179.5	1	26.0		
STA. 285+89.93 TO STA. 338+73.03	4	24	194.3				
STA. 338+73.03 TO STA. 400+01.64	5	20	185.6				
STA. 400+01.64 TO STA. 424+08.79	6	8	63.8				
STA. 424+08.79 TO STA. 469+68.13	7	16	147.7	2	34.6		
TOTAL PER TYPE		141	1144*	2	35*	1	26

* ROUNDED

LOCATION	SQ YD
@ SN 078-0032	
RT STA. 198+61.4 TO RT STA. 200+11.4	133.3
LT STA. 198+61.4 TO LT STA. 200+11.4	133.3
RT STA. 200+87.9 TO RT STA. 202+37.9	133.3
LI STA. 200+87.9 TO LT STA. 202+37.9	133.3
TOTAL (ROUNDED)	533

LOCATION	EACH
SN 078-0032 - COFFEE CREEK	1
TOTAL	1

SCHEDULE OF
QUANTITIES (3)
IL 71 GRANVILLE

REVISD 2/15/07

CONTRACT: 68569

ROUTE		SECTION	COUNTY	SHEET	
F.A.P.	619			TOTAL	NO.
MKD.	IL 71	(120)RS-2, BR, (121)RS-2	PUTNAM		

LOCATION	EACH	LOCATION	EACH
SN 078-0035		SN 078-0031	
RT STA. 159+32.1	1	LT STA. 300+89.4	1
LT STA. 160+60.0	1	RT STA. 302+27.2	1
		LT STA. 304+79.3	1
SN 078-0032		RT STA. 306+49.9	1
RT STA. 198+92.5	1		
LT STA. 198+92.5	1	RT STA. 380+46.7	1
RT STA. 202+08.4	1	LT STA. 381+24.2	1
LT STA. 202+08.4	1	RT STA. 385+04.3	1
		LT STA. 385+63.0	1
RT STA. 218+11.8	1		
RT STA. 220+86.9	1	RT STA. 392+46.2	1
		LT STA. 393+11.8	1
LT STA. 234+65.4	1	LT STA. 396+32.9	1
LT STA. 240+65.3	1	RT STA. 396+85.4	1
GUARDRAIL @ BOX CULVERT		SN 078-0030	
RT STA. 270+31.6	1	RT STA. 408+93.2	1
LT STA. 270+94.0	1	LT STA. 408+93.2	1
RT STA. 273+75.7	1	LT STA. 412+17.5	1
LT STA. 274+44.6	1	RT STA. 412+43.8	1
		GRAND TOTAL	30

WORK ZONE PAVEMENT MARKING REMOVAL		SO FT
Sta. 158+39.50 to Sta. 179+14.70		136
TR 36 INTERSECTION OMISSION		
Sta. 196+19.40 to Sta. 242+59.35		306
Sta. 242+59.35 to Sta. 285+89.93		289
Sta. 285+89.93 to Sta. 338+73.03		352
Sta. 338+73.03 to Sta. 400+01.34		409
Sta. 400+01.64 to Sta. 424+08.79		161
Sta. 424+08.79 to Sta. 469+68.13		304
TOTAL		1959

SHORT TERM PAVEMENT MARKING		FOOT
Sta. 158+39.50 to Sta. 179+14.70		208
TR 36 INTERSECTION OMISSION		
Sta. 196+19.40 to Sta. 242+59.35		456
Sta. 242+59.35 to Sta. 285+89.93		433
Sta. 285+89.93 to Sta. 338+73.03		528
Sta. 338+73.03 to Sta. 400+01.34		613
Sta. 400+01.64 to Sta. 424+08.79		241
Sta. 424+08.79 to Sta. 469+68.13		456
TOTAL (x 2 APPLICATIONS)		5878

SCHEDULE OF
QUANTITIES (7)
IL 71 GRANVILLE

REVISD 2/15/07

CONTRACT: 68569

ROUTE		SECTION	COUNTY	SHEET
F.A.P.	619	(120)RS-2, BR,	PUTNAM	TOTAL
MKD.	IL 71	(121)RS-2		NO.
				26
				14

EPOXY PAVEMENT MARKINGS					
LOCATION	4"		24"		LETTER & SYMBOLS
	YELLOW FEET	WHITE FEET	WHITE FEET	WHITE FEET	
STA. 158+39.50 TO STA. 179+14.70	2101	4114			
TR 36 INTERSECTION OMISSION					
STA. 196+19.40 TO STA. 242+59.35	5587	9211			
STA. 242+59.35 TO STA. 285+89.93	5089	8570			
STA. 285+89.93 TO STA. 338+73.03	6339	10305			
STA. 338+73.03 TO STA. 400+01.64	9346	11811			
STA. 400+01.64 TO STA. 424+08.79	2579	4265	72	122.4	
STA. 424+08.79 TO STA. 469+68.13	2436	9009			
TOTALS	33,477	51,285	72	122*	

TEMPORARY PAINT PAVEMENT MARKING					
LOCATION	4"		24"		LETTER & SYMBOLS
	YELLOW FEET	WHITE FEET	WHITE FEET	WHITE FEET	
STA. 158+39.50 TO STA. 179+14.70	2101	4114			
TR 36 INTERSECTION OMISSION					
STA. 196+19.40 TO STA. 242+59.35	5587	9211			
STA. 242+59.35 TO STA. 285+89.93	5089	8570			
STA. 285+89.93 TO STA. 338+73.03	6339	10305			
STA. 338+73.03 TO STA. 400+01.64	9346	11811			
STA. 400+01.64 TO STA. 424+08.79	2579	4265	72	122.4	
STA. 424+08.79 TO STA. 469+68.13	2436	9009			
TOTALS	33,477	51,285	72	122*	

STEEL PLATE BEAM GUARDRAIL, TYPE A	
LOCATION	FOOT
@ SN 078-0032	
RT STA. 199+42.5 TO RT STA. 199+67.5	25
LT STA. 199+42.5 TO LT STA. 199+67.5	25
RT STA. 201+33.4 TO RT STA. 201+58.4	25
LT STA. 201+33.4 TO LT STA. 201+58.4	25
TOTAL	100

RAILROAD PROTECTIVE LIABILITY INSURANCE	
LOCATION	EACH
SN 078-0032 - COFFEE CREEK	1
TOTAL	1

SCHEDULE OF QUANTITIES (8)
IL 71 GRANVILLE

REVISSED 2/15/07

CONTRACT: 68569

ROUTE		SECTION	COUNTY	SHEET	
F.A.P.	619	(120)RS-2, BR, (121)RS-2	PUTNAM	TOTAL	NO.
MKD.	IL 71			26	15

INTERMITTENT STREAM
 OLD SN 078-0031
 NEW SN 078-0008
 STA. 303+77.2

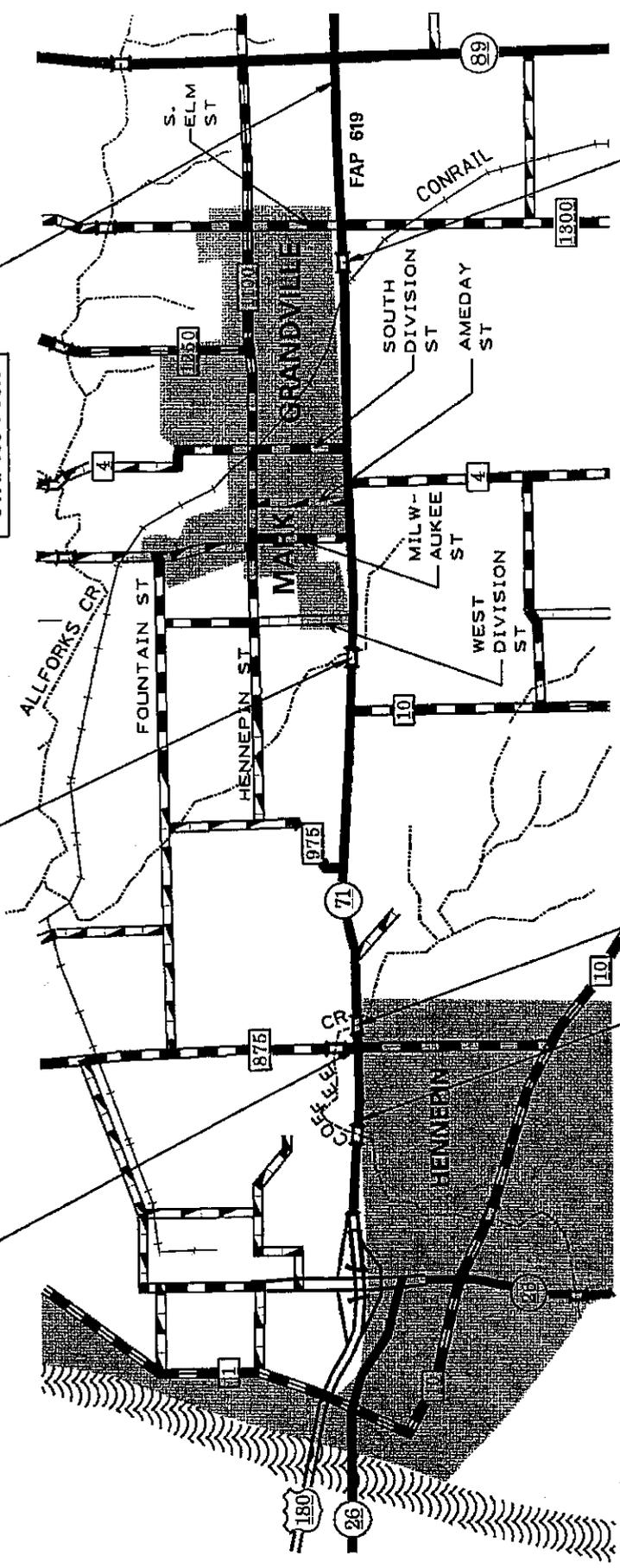
INTERSECTION
 OMISSION
 STA. 179+14.7 TO
 STA. 196+194

PROJECT ENDS
 STA. 469+68.1

PROJECT STARTS
 STA. 158+39.5

DRAINAGE DITCH
 STRUCTURE NUMBER
 078-0030
 STA. 410+77.7

COFFEE CREEK
 STRUCTURE NUMBER
 078-0032
 STA. 200+50.8
 BRIDGE
 OMITTED

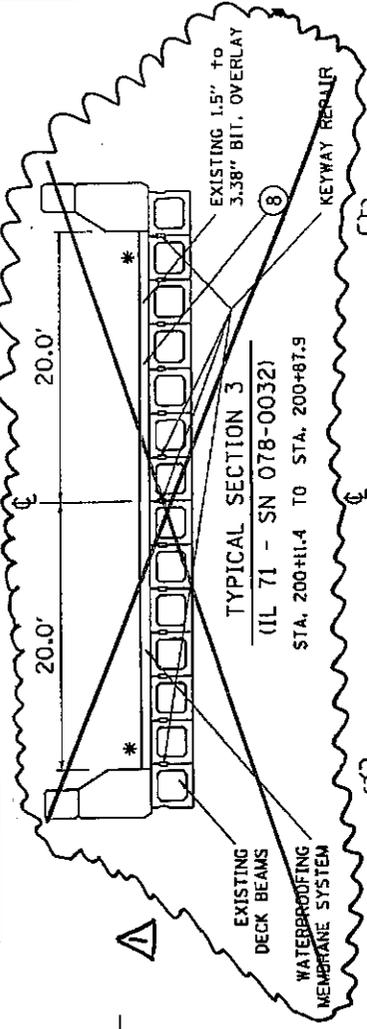
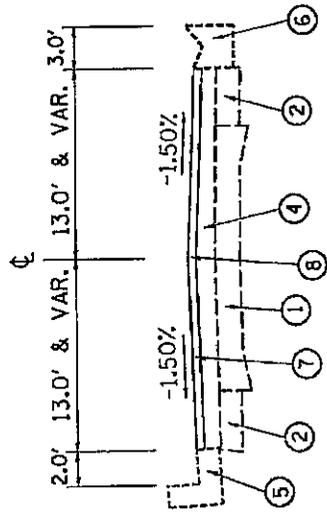
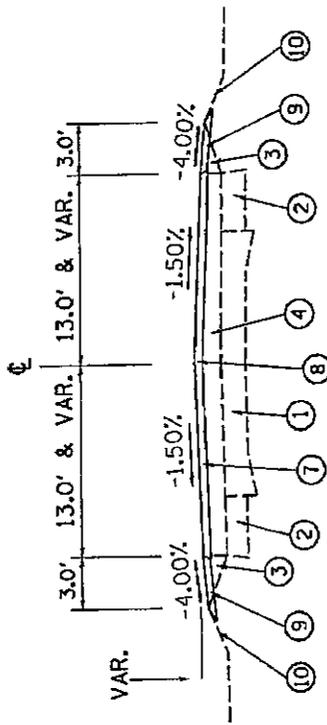


JOB LOCATION MAP
 IL 71 (FAP 619)
 GRANVILLE

REVISSED 2/15/07

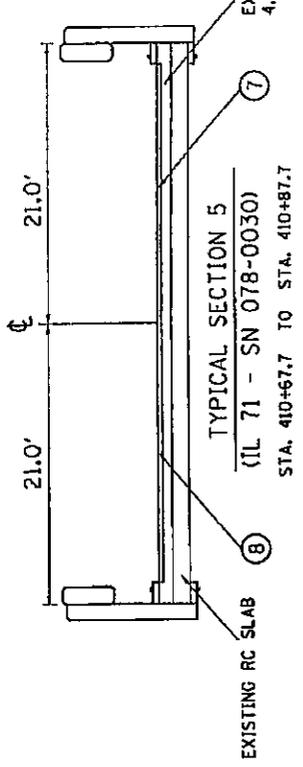
CONTRACT: 68569

ROUTE		SECTION	COUNTY	SHEET
F.A.P.	619	(120)RS-2, BR, (121)RS-2	PUTNAM	TOTAL
MKD.	IL 71			26
				NO.
				16



TYPICAL SECTION 3
(IL 71 - SN 078-0032)
STA. 200+11.4 TO STA. 200+87.9

TYPICAL SECTION 4
(IL 71 - SN 078-0031)
STA. 303+67.3 TO STA. 303+87.0
(WORK BY OTHERS)



LEGEND

- ① EX. 18 FOOT PCC PAVEMENT
- ② EX. BITUMINOUS WIDENING
- ③ EX. AGGREGATE SHOULDER
- ④ EX. BITUMINOUS OVERLAY
- ⑤ EX. 6.24 COMB CURB AND GUTTER
- ⑥ EX. GUTTER SECTION
- ⑦ PR. HMA SURF. REM. (GOLDMILLING) 1 1/2"
- ⑧ PR. HMA SURF. CSE. MIX D, N50 1 1/2"
- ⑨ PR. AGGREGATE SHOULDER TY. B
- ⑩ PR. GRADING AND SHAPING SHOULDERS

~~DELETED~~ 2/15/07

- * PROPOSED HMA BASE COURSE WIDENING 10"
- RT STA. 199+11.4 TO RT STA. 200+11.4
- LT STA. 199+11.4 TO LT STA. 200+11.4
- RT STA. 200+87.9 TO RT STA. 201+87.9
- LT STA. 200+87.9 TO LT STA. 201+87.9

TYPICAL SECTIONS
IL 71 (FAP 619)
GRANVILLE

CONTRACT: 68569

ROUTE		SECTION	COUNTY	SHEET	
F.A.P.	619	(120)RS-2, BR, (121)RS-2	PUTNAM	TOTAL	NO.
MKD.	IL 71			26	17

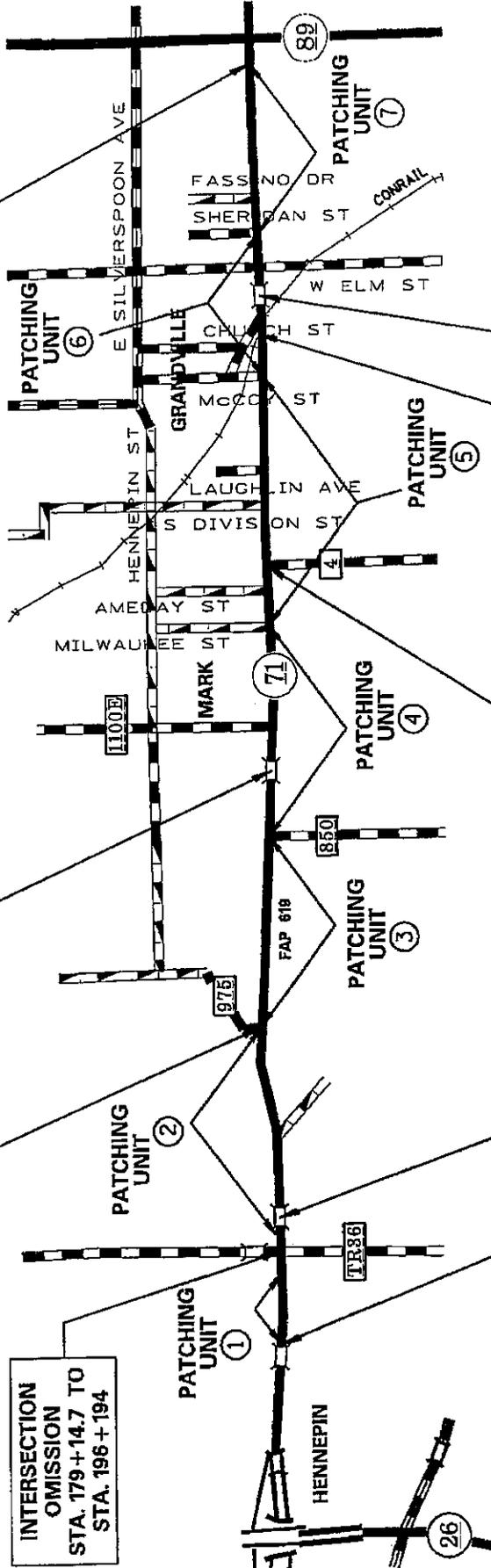
INTERMITTENT STREAM
 OLD SN 078-0031/
 NEW SN 078-0008
 STA. 303+77.2

COUNTY HIGHWAY 975
 INTERSECTION
 STA. 242+63

INTERSECTION
 OMISSION
 STA. 179+14.7 TO
 STA. 196+194

PROJECT STARTS
 STA. 158+39.5

PROJECT ENDS
 STA. 469+68.1



DRAINAGE DITCH
 STRUCTURE NUMBER
 078-0030
 STA. 410+77.7

CONRAIL RR
 INTERSECTION
 STA. 406+52

COUNTY HIGHWAY 4
 INTERSECTION
 STA. 352+21

BRIDGE
 OMITTED

~~COFFEE CREEK
 STRUCTURE NUMBER
 078-0038
 STA. 200+50.8~~

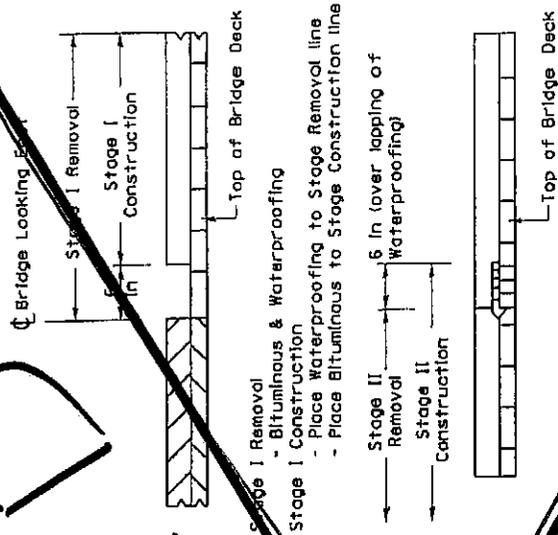
LINE DIAGRAM
 IL 71 (FAP 619)
 GRANVILLE

REVISSED 2/15/07

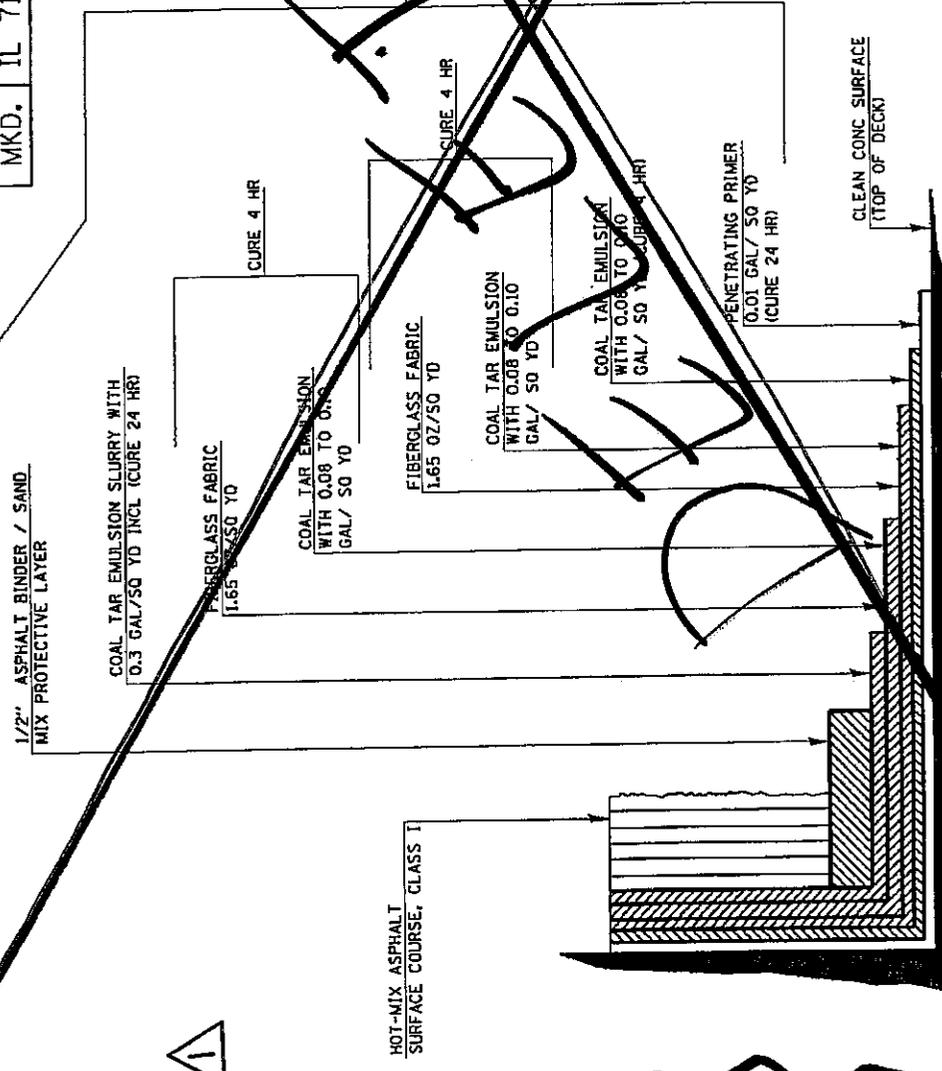
CONTRACT: 68569

ROUTE		SECTION	COUNTY	SHEET
F.A.P.	619	(120)RS-2, BR, (121)RS-2	PUTNAM	TOTAL NO.
MKD.	IL 71			26
				18

EXAMPLE OF WATERPROOFING TREATMENT @ STAGE LINE



WATERPROOFING MEMBRANE SYSTEM DETAIL



TO BE USED FOR AS WATERPROOF MEMBRANE SYSTEM SAND 50% 1/2" + WPM 1/2"

DECK SURFACING DETAIL - SN 078-0032

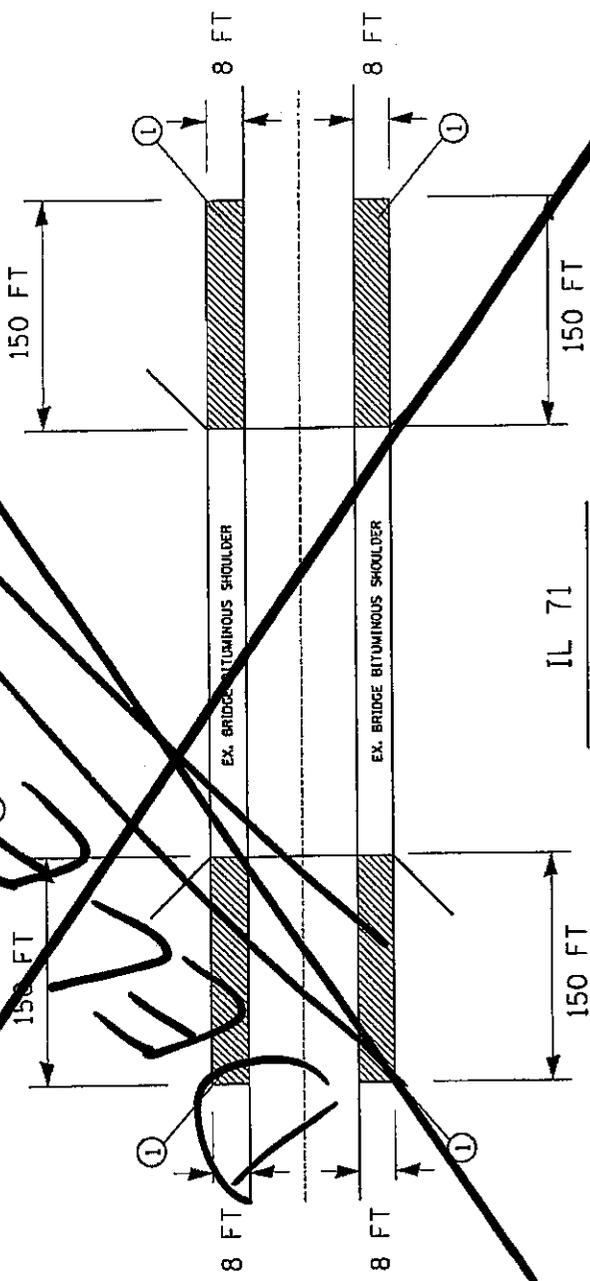
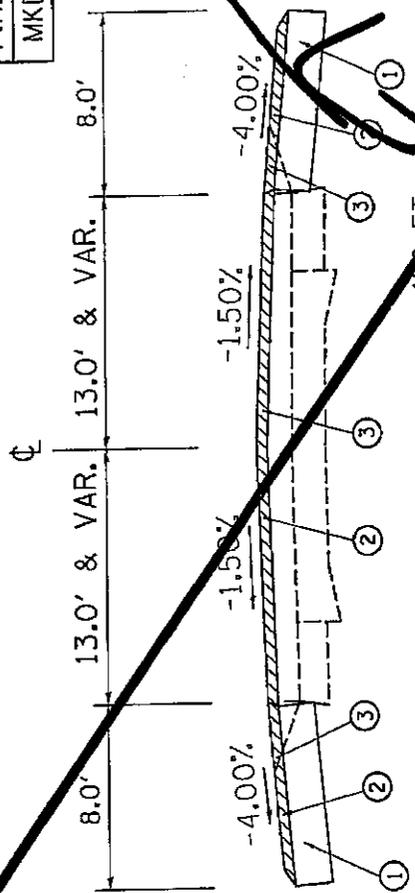
REVISD 2/15/07

CONTRACT: 68569

ROUTE		SECTION	COUNTY	SHEET
F.A.P.	619	(120)RS-2, BR, (121)RS-2	PUTNAM	TOTAL
MKD.	IL 71			26
				NO.
				19

NOTE:

HMA BASE COURSE WIDENING WILL BE PLACED FLUSH WITH THE EXISTING PAVEMENT PRIOR TO BRIDGE WORK. UPON COMPLETION OF BRIDGE WORK, THE WIDENING WILL BE MILLED AND OVERLAID WITH SURFACE COURSE ALONG WITH THE MAINLINE PAVEMENT



IL 71
SN 078-0032

STA. 200+11.4 TO STA. 200+87.9

LEGEND

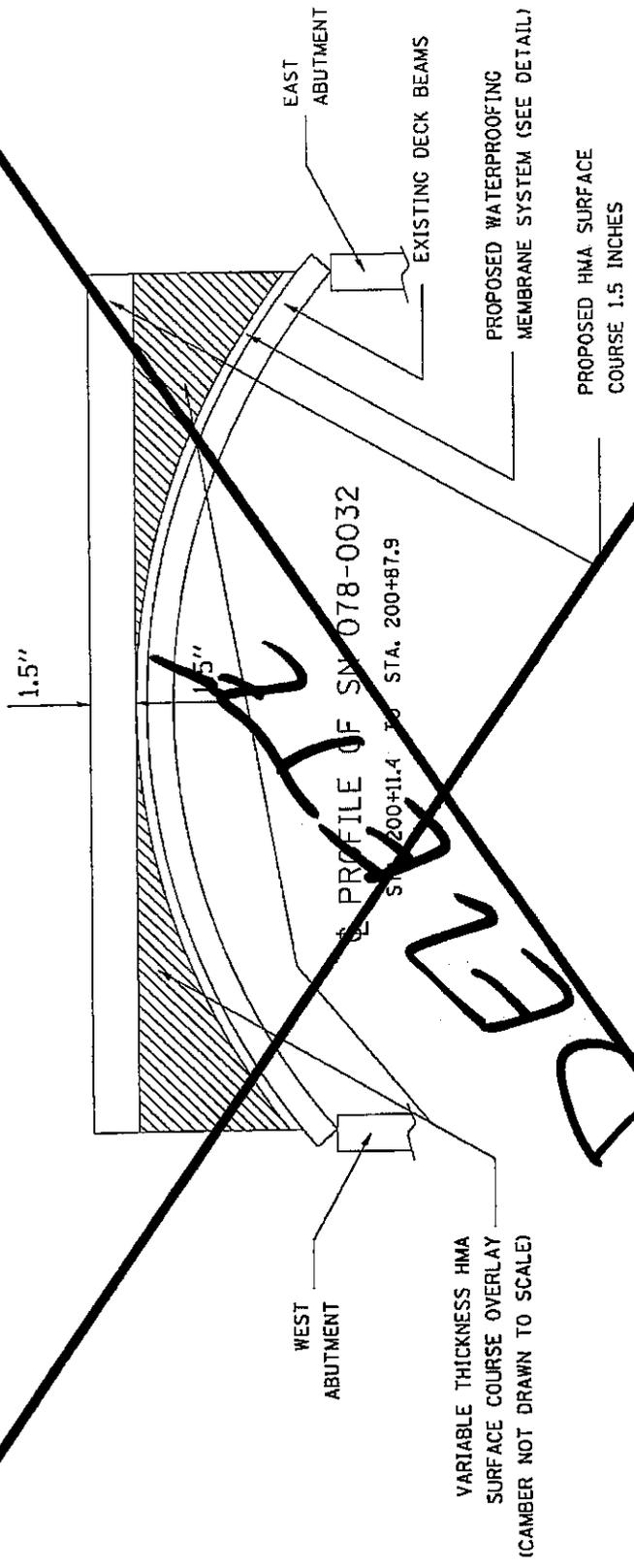
- ① PROPOSED 10 INCH HMA BASE COURSE WIDENING
- ② PROPOSED HMA SURF. REM. (COLDMILLING) 1.5 INCHES
- ③ PROPOSED HMA SURF. CSE. SUPERPAVE, 1.5 INCHES

SHOULDER WIDENING
DETAIL

REVIS 2/15/07

CONTRACT: 68569

ROUTE		SECTION	COUNTY	SHEET	
F.A.P.	619	(120)RS-2, BR, (121)RS-2	PUTNAM	TOTAL	NO.
MKD.	IL 71			26	20



NOTE:

CONTRACTOR SHALL PLACE VARIABLE THICKNESS HMA SURFACE COURSE OVERLAY FIRST DUE TO THE DECK BEAM CAMBER UNTIL THE DECK SURFACE IS LEVEL, CONTRACTOR SHALL THEN PLACE REMAINING 1.5 INCHES OF HMA SURFACE COURSE OVER ENTIRE DECK.

DECK BEAM
CAMBER DETAIL

△ REVISED 2/15/07

CONTRACT: 68569

ROUTE	SECTION	COUNTY	SHEET
F.A.P. 619	(120)RS-2, BR, (121)RS-2	PUTNAM	TOTAL 26
MKD. IL 71			20A

$1\frac{1}{2} \times \frac{3}{4}$ " Sawn Lt. with
Elastic Jt. Filler - Full Width
See Special Provisions

R.C. Reinforcement
Shown on General Plan & Elev.

Fabric
See Det. 215-2 (E. App. only)

$\frac{1}{2}$ " R.U.F. Full Width

$2 - \frac{3}{4} \times 1 \times 16$ " Dowel Rods

EXISTING

SECTION THRU E. ABUT.

A-E R/Way.

$3\frac{3}{8}$ " Class I
at Abut.

Deck Beams
33" R.C.

$1 - 9 \times 12 \times 11$ "
Fabric Brg. 74

See Detail "A"
 $3\frac{3}{8}$ " Class I
at Abut.

2 - $9 \times 4 \times 24$ "
Asbestos Brg. 74

EXISTING

SECTION THRU W. ABUT.

A-E R/Way.

$\frac{3}{8}$ " dia. holes at 12" cts.
on 18" gage line

$7\frac{3}{4}$ " dia. bolts at 12" cts. in $\frac{3}{8}$ " dia. bolts set
on 3" gage line. Bolts shall be cut off
flush after forms are removed.

Preformed Joint Sealer (22")

WT 4 x 33.5 x 40'-6"
Fabricate to crown

2 1/2"

$\frac{3}{32}$ "

$\frac{3}{16}$ "

(21")

PREFORMED JOINT SEAL

Apply epoxy to back face
only See Std. 511c's
Art. 504.13 (a)(1)

DETAIL "A"

$\frac{3}{8}$ " x 6" CR 1020 STL granular or
solid flux filled headed studs,
automatically end welded at 12" o/c.

$\frac{1}{4}$ " x $\frac{1}{2}$ " Bars
from face
Tack weld at 6" cts.

JOINT DETAILS
SN. 078-8032
IL 71 (FAP 619)

REVIS 2/15/07