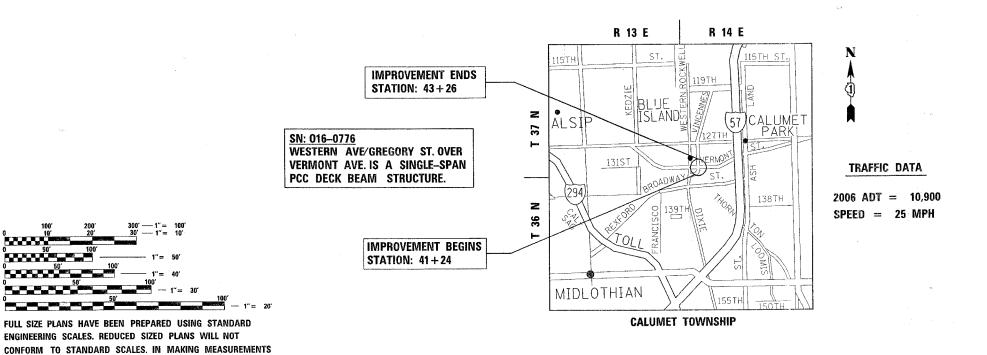
FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

IMPROVEMENT LOCATED IN THE CITY OF BLUE ISLAND

F.A.P. 370: WESTERN AVE. / GREGORY ST. OVER VERMONT AVE. **SECTION: 0103 I-2** BRIDGE BEAM REPLACEMENT & NEW DECK **COOK COUNTY** C-91-010-02



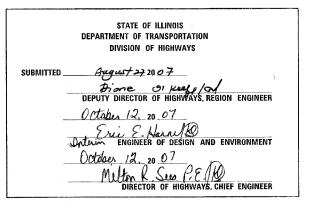
GROSS AND NET LENGTH OF IMPROVEMENT = 202 FEET (0.04 MILE)

CONTRACT NO. 62362

COUNTY 01031-2 COOK

D-91-010-02





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION

ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT

ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

INDEX OF SHEETS:

SHEET NO.	DESCRIPTION:
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	EXISTING ROADWAY TYPICAL SECTION
5-6	SUGGESTED MAINTENANCE OF TRAFFIC PLANS
7-8	ROADWAY & PAVEMENT MARKING PLANS
9-18	BRIDGE PLANS (SN 016-0776)
19-22	BRIDGE APPROACH PAVEMENT DETAILS
23	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
24	BUTT JOINT AND HMA TAPER DETAILS
25	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
26	ARTERIAL ROAD INFORMATION SIGN
27	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS

STATE STANDARDS:

000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
420401-05	BRIDGE APPROACH PAVEMENT
421001-01	BAR REINFORCEMENT FOR CRC PAVEMENT
606001 <i>-03</i>	CONCRETE CURB AND COMB. CONCRETE CURB & GUTTER
631006 -04	TRAFFIC BARRIER TERMINAL, TYPE 1-B
631026 <i>-03</i>	TRAFFIC BARRIER TERMINAL, TYPE 5
701601-04	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
702001-06	TRAFFIC CONTROL DEVICES
704001- <i>03</i>	TEMPORARY CONCRETE BARRIER

GENERAL NOTES:

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E" AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING.EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

IT SHALL BE THE CONTRACTORS RESPONIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

THE CONTRATOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE CONTRACTOR SHALL CONTACT MS PATRICE HARRIS 708-597-9800 TWO (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL FOR TYPICAL APPLICATION OF RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) SHOWN IN THE PLANS.

THE THICKNESS OF HOT-MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.

THE CONTRATOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, CITY OF BLUE ISLAND, CALUMET TOWNSHIP.

8/29/2007 c:#projects#d101002#sh_rdwy.d

REVISIONS
NAME DATE
WESTERN AVE./GREGORY STREET
OVER VERMONT AVE.
INDEX OF SHEETS, STATE STANDARDS,
GENERAL NOTES
DRAWN BY

DATE: 8/29/2007

CHECKED BY

CONTRACT NO. 62362

RTE.	SECTION		COUNT	Υ	SHEETS	NO.
370	01031-2		C00	K	27	3
FED.	ROAD DIST. NO. 1	ILL	INOIS	HIG	HWAY PRO	JECT

20200100 EAR 20700220 POR 31101100 SUB 42001165 BRI 42001500 P. C PAV 42100360 CON CON 42400200 POR INC 44000500 COM	ITEM RIDGE APPROACH PAVEMENT REMOVAL ARTH EXCAVATION OROUS GRANULAR EMBANKMENT UB-BASE GRANULAR MATERIAL, TYPE B RIDGE APPROACH PAVEMENT .C. CONCRETE BRIDGE APPROACH SHOULDER AVEMENT ONTINUOUSLY REINFORCED PORTLAND CEMENT ONCRETE PAVEMENT 13"	UNIT SQ YD CU YD CU YD CU YD SQ YD SQ YD	URBAN TOTAL QUANTITIES 720 412 271 210	X28/-24 STATE 100% 720 412 271				CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	X281-24 STATE 100%			
20200100 EAR 20700220 POR 31101100 SUB 42001165 BRI 42001500 P. C PAV 42100360 CON CON 42400200 POR INC 44000500 COM	ARTH EXCAVATION OROUS GRANULAR EMBANKMENT UB-BASE GRANULAR MATERIAL, TYPE B RIDGE APPROACH PAVEMENT .C. CONCRETE BRIDGE APPROACH SHOULDER AVEMENT ONTINUOUSLY REINFORCED PORTLAND CEMENT	CU YD CU YD CU YD SQ YD	412 271	412						1					
20700220 POR 31101100 SUB 42001165 BRI 42001500 P. C PAV 42100360 CON 42400200 POR INC 44000500 COM	OROUS GRANULAR EMBANKMENT UB-BASE GRANULAR MATERIAL, TYPE B RIDGE APPROACH PAVEMENT .C. CONCRETE BRIDGE APPROACH SHOULDER AVEMENT ONTINUOUSLY REINFORCED PORTLAND CEMENT	CU YD CU YD SQ YD	271					¥ 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE	FOOT	52 -	52			
31101100 SUB 42001165 BRI 42001500 P. C PAV 42100360 CON 42400200 POR INC 44000500 COM	UB-BASE GRANULAR MATERIAL, TYPE B RIDGE APPROACH PAVEMENT C. CONCRETE BRIDGE APPROACH SHOULDER AVEMENT ONTINUOUSLY REINFORCED PORTLAND CEMENT	CU YD SQ YD		271					12"						
42001165 BRI 42001500 P. C PAV 42100360 CON CON 42400200 POR INC 44000500 COM	RIDGE APPROACH PAVEMENT C. CONCRETE BRIDGE APPROACH SHOULDER AVEMENT ONTINUOUSLY REINFORCED PORTLAND CEMENT	SQ YD	210					* 78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	10	10			
42001500 P. C PAV 42100360 CON CON 42400200 POR INC 44000500 COM	.C. CONCRETE BRIDGE APPROACH SHOULDER AVEMENT ONTINUOUSLY REINFORCED PORTLAND CEMENT			210											
42100360 CON CON 42400200 POR INC 44000500 COM	AVEMENT ONTINUOUSLY REINFORCED PORTLAND CEMENT	SQ YD	396	396				X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN	SQ FT	10	10			
42400200 POR INC 44000500 COM			149	149			,	x5030305	5 INCHES) CONCRETE WEARING SURFACE, 5"	SQ YD	499	499			
44000500 COM	VITOTICE CE I FIT WITHERT I AV	SQ YD	240	240				50/0/500	REMOVAL OF EXISTING SUPERSTRUCTURE	EACH	1	1			
44000500 COM	ORTLAND CEMENT CONCRETE SIDEWALK 5	SQ FT	1200	1200				XX003515	PRECAST PRESTRESSED CONCRETE DECK BEAMS (42" DEPTH)	SQ FT	5290	5290	·		
	OMBINATION CURB AND GUTTER REMOVAL	FOOT	240	240				Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	44	44			
44000600 SID	IDEWALK REMOVAL	SQ FT	1200	1200				Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
	ONCRETE SUPERSTRUCTURE	CU YD	107	107				Z0030240	IMPACT ATTENUATORS, TEMPORARY (NON-	EACH	11	11			
50300260 BRI	RIDGE DECK GROOVING	SQ YD	499	499					REDIRECTIVE), TEST LEVEL 2						
50300300 PRO	ROTECTIVE COAT	SQ YD	1588	1588											
50800205 REI	EINFORCEMENT BARS, EPOXY COATED	POUND	16080	16080											
50800515 BAR	AR SPLICERS	EACH	506	506											
50901755 PAR	ARAPET RAILING, SPECIAL	FOOT	162	162				:							
51500100 NAM	AME PLATES	EACH	1	1				-							
59000200 EP0	POXY CRACK INJECTION	FOOT	20	20											
63100070 TRA	RAFFIC BARRIER TERMINAL, TYPE 5	EACH	2	2					·						
63200305 STE	TEEL PLATE BEAM GUARD RAIL REMOVAL	FOOT	25	25											
67000400 ENG	NGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	5											
67100100 MOB	OBILIZATION	L SUM	1	1					·						
70101800 TRA	RAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1											
70300520 PAV	AVEMENT MARKING TAPE, TYPE III 4"	FOOT	2801	2801											
70301000 WOR	ORK ZONE PAVEMENT MARKING REMOVAL	FOOT	2891	2891											
70400100 TEM	EMPORARY CONCRETE BARRIER	SQ FT	963	963											
70400200 REL	ELOCATE TEMPORARY CONCRETE BARRIER	FOOT	222	222											
78008210 POL 4"	OLYUREA PAVEMENT MARKING TYPE I - LINE	F00T F00T	101	222 101	:										
														i	

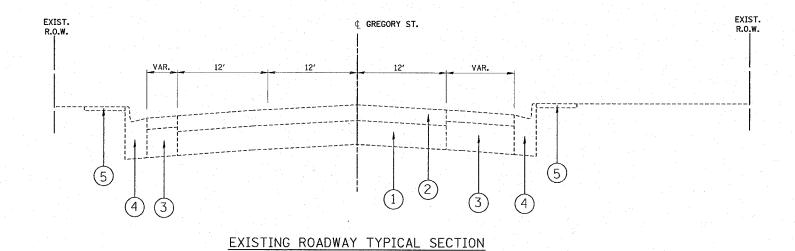
* SPECIALTY ITEMS

REVISIONS

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
WESTERN AVE./GREGORY ST.
OVER VERMONT AVE.

CONTRACT# 62362

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEFTS	SHEET NO.
370	0103 I-2	соок	27	4
STA.		TO STA.		
FED. ROA	D DIST. NO. 1 ILLIN	OIS HIGHWAY	PROJEC	T



LEGEND:

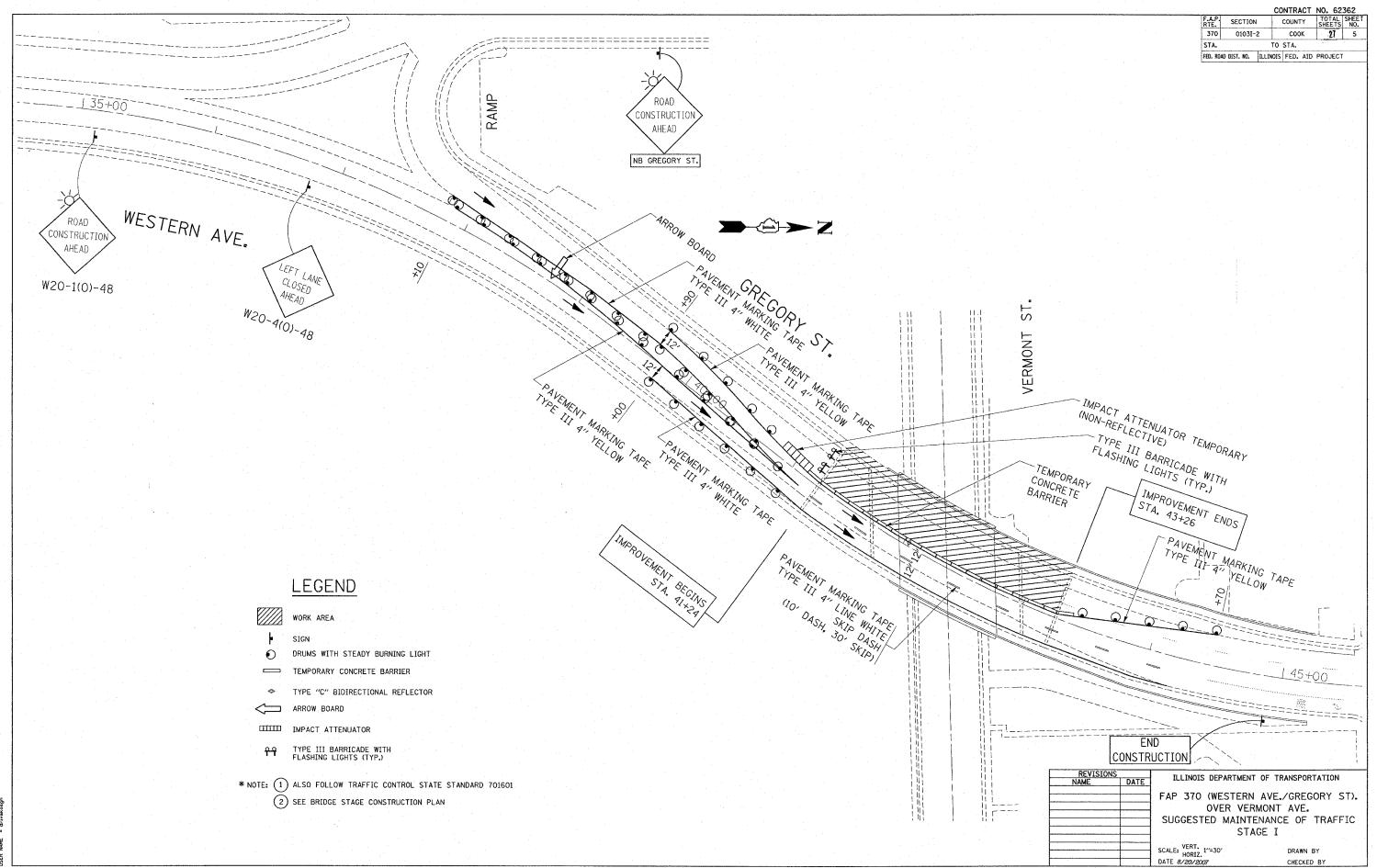
- 1 EXISTING P.C.C. PAVEMENT, 10" (±)
- ② EXISTING HMA OVERLAY, 3" (±)
- 3 EXISTING HMA SHOULDERS
- 4 EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- 5 EXISTING P.C.C. SIDEWALK

REVISIONS
NAME
DATE
FAP 370: WESTERN AVE./GREGORY ST.

EXISTING ROADWAY TYPICAL SECTION

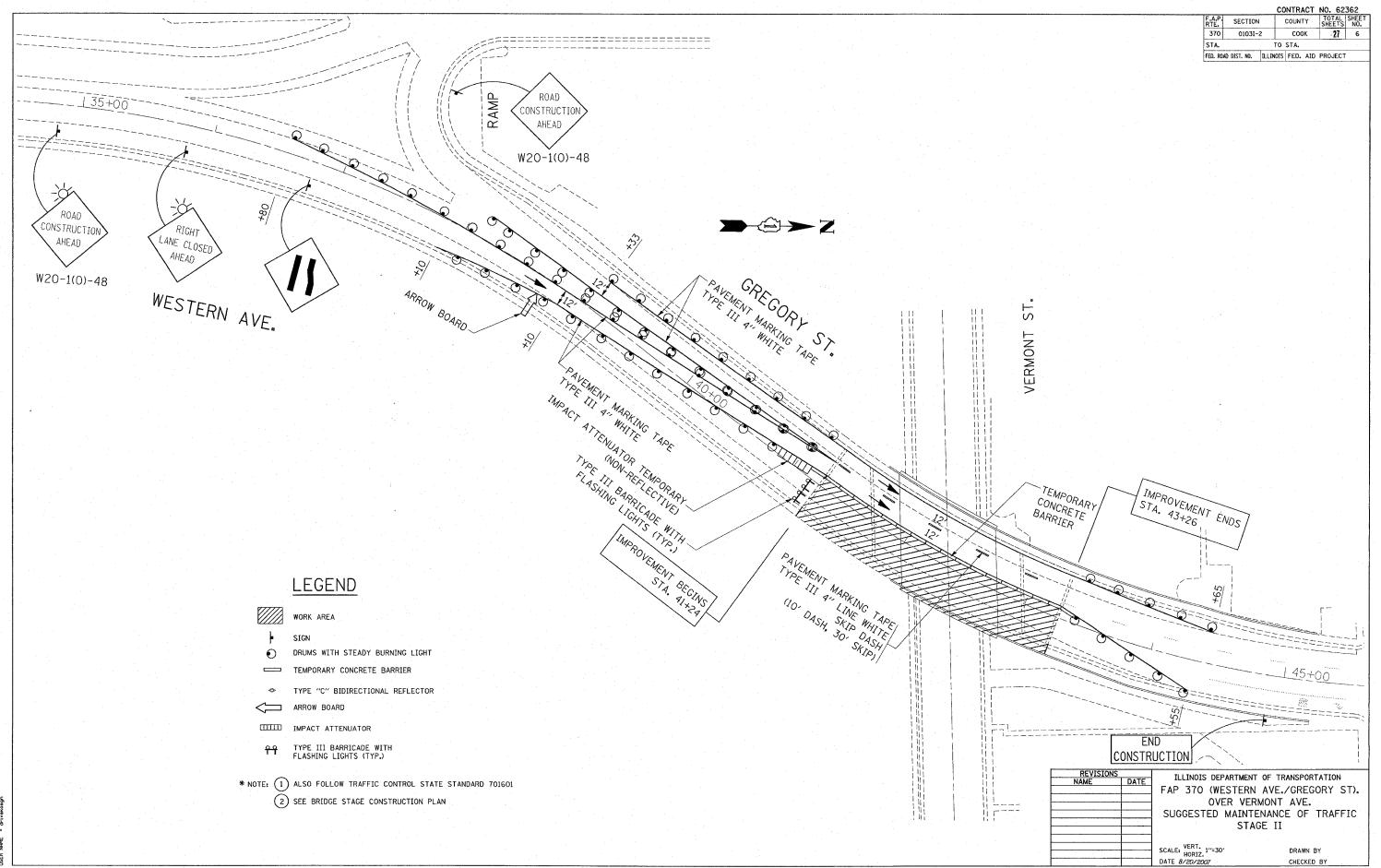
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ciprojects/di0i002\sh_rdwydgn



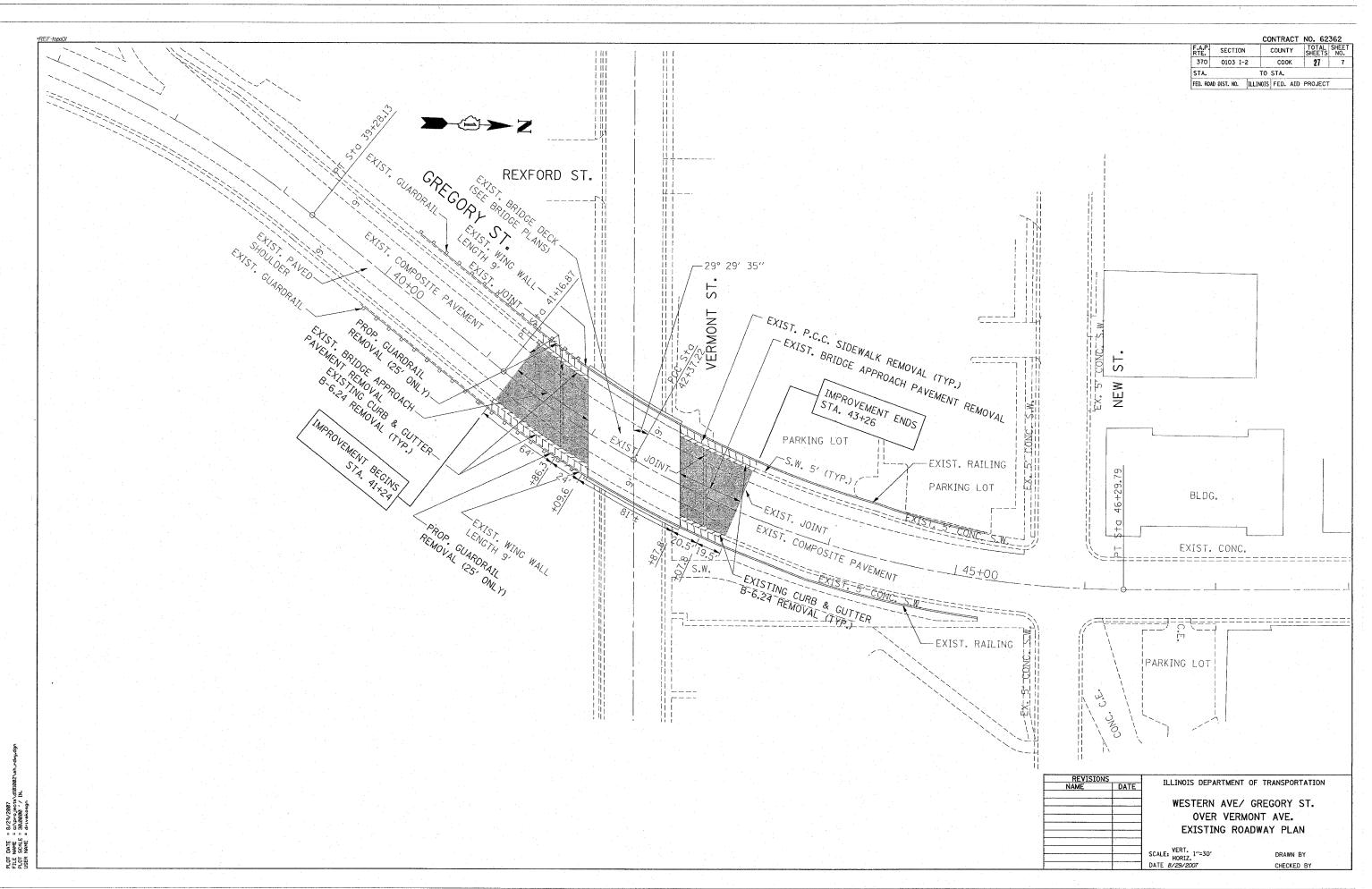
T DATE = 8/28/2887 E NAME = on/projects/d181882\sh.stogel

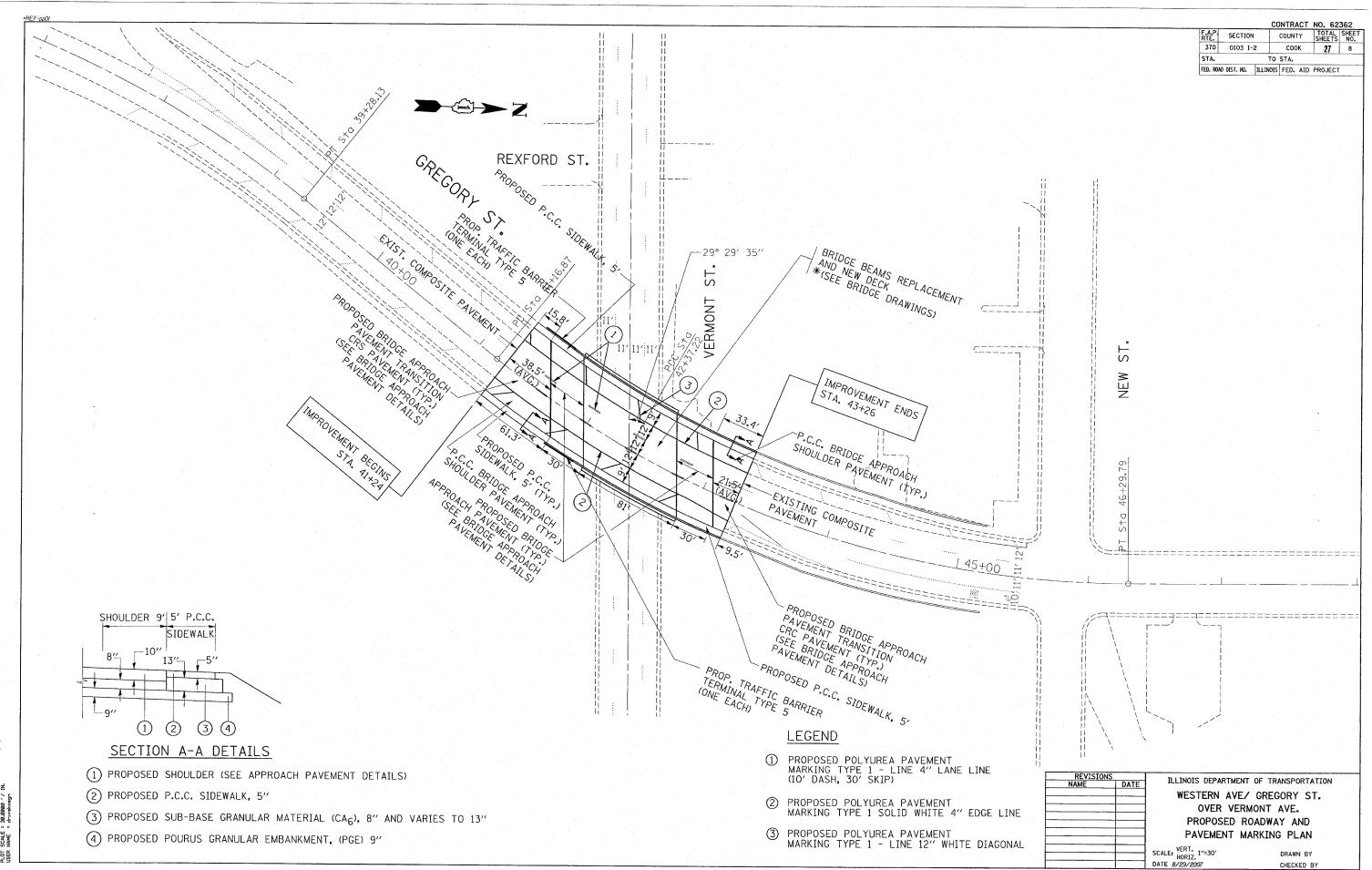
5



DATE = 8/28/2887 NAME = cryprojects\digig02\sh.stage2. SCALE = 39.8868 // IN. NAME = cryckcasgn

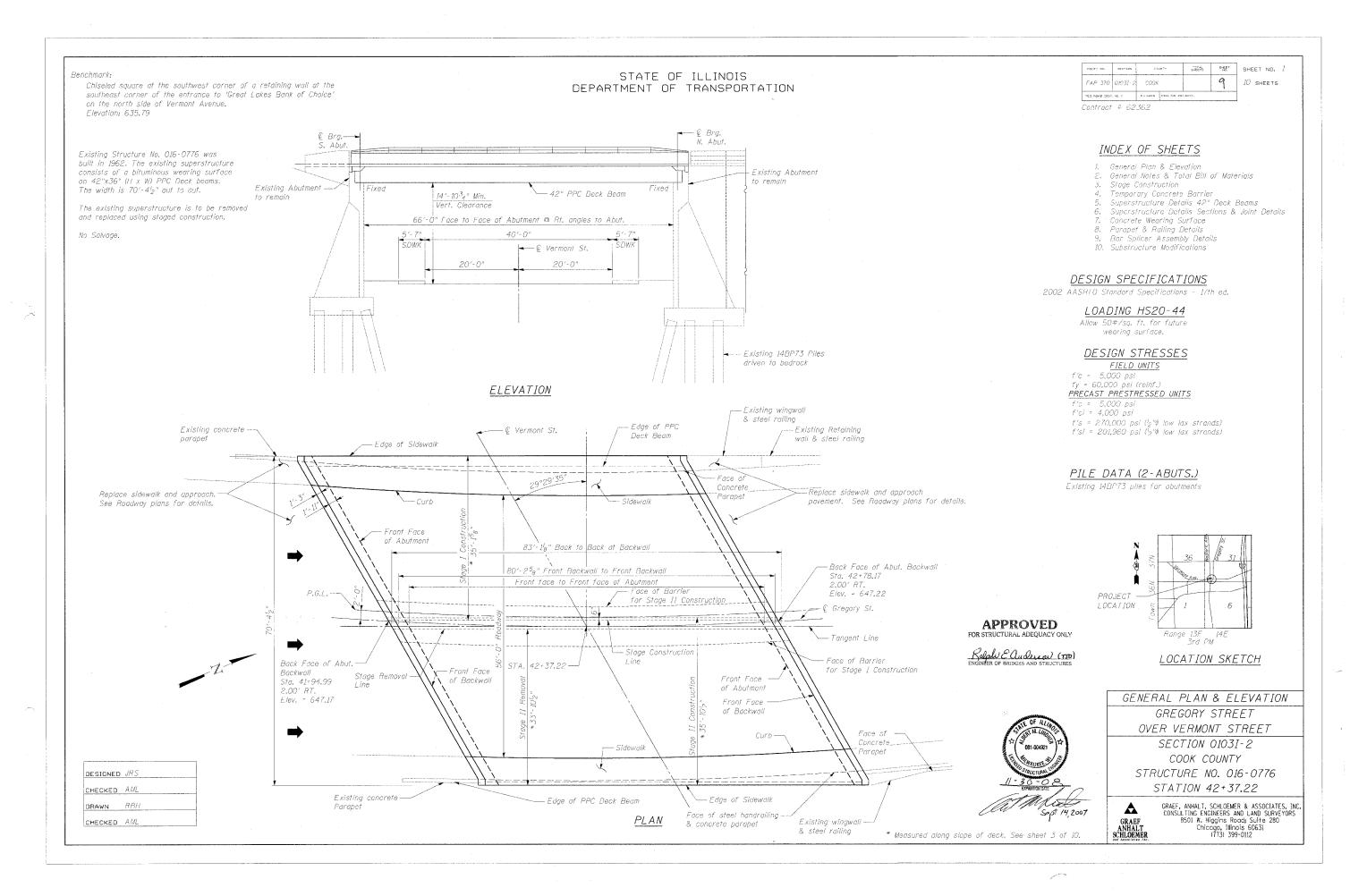
6





01 DATE ≈ 8/29/2007 E. NAME = 0.0pro_locts\di01002\sh.rdwy. DT SCALE = 30.02000 / IN. ER NAME = dr.vokkosy /

.....



ROUTE NO.	RECTION	cou	INTY	TOTAL SHEETS	SHEE" NG.	SHE	ET NO.
FAP 370	01031-2	соск			10	10	SHEETS
FEG. ROAD - DIST	. NC. 7	JULINOIS	FEC. ALD PR	DJECT-			

Contract # 62362

GENERAL NOTES

- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60(IL Modified).
 See Special Provisions.
- 2. Reinforcement bars designated (E) shall be epoxy coated.
- 3. Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of work, however, the Contractor will be paid for the quantity actually furnished based upon the unit bid price bid for the work.
- 4. Repair of the abutment shall be completed prior to placement of the new deck beams,
- 5. The Contractor is advised that the existing PPC Deck Beams are in deteriorated condition with reduced load carrying capacity. It is the contractor's responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the superstructure.
- 6. Asbestos is present in the existing bearing pads and at the interface of the abutment backwall and concrete slab. Payment for removal of asbestos pad at the abutment/slab interface shall be incidental to the bid item "Asbestos Bearing Pad Removal".

PROFILE GRADE LINE - GREGORY STREET

 $(2^{3}4"$ added to the original 1961 Profile Grade Line)

40'-778" 38'-71/2" 39'-6'8" Vermont St. → -Outside face of Sidewalk Parallel Radius = 730'-612"to Tangent Line `— @ Parapet ` 33'-5" Offse. Inside face of Sidewalk 28'- (ffset from £ from C Sta. 42+37,22 -Inside face of Sidewalk 28'-0" FF Backwall offset from € 33'-5" offse from € — Radius = 797′-4³₈" Outside face of Sidewalk Parallel to Tangent Line 40'-978" 39'-5⁵8' 38'-53_{4"} LAYOUT SKETCH DESIGNED JRS 400' V.C. CHECKED AML DRAWN RBH

CHECKED AML

LETTERING FOR NAME PLATE

STATION 42+37.22 REBUILT 20__ BY

STATE OF ILLINOIS

F.A.P. RT. 370 SEC. 01031-2

Locate Name Plate at Southeast corner of Bridge. (See IDOT STD. 515001)
Salvage the existing name plate and incorporate into new construction next to the new name plate.

TOTAL BILL OF MATERIAL

Unit	Super	Abutments	Total
Sg. Yd.	669	n	569
Cu. Yd.	107	0	107
Sq. Yd.	499	0 .	499
Pound	16,080	0	16,080
Each	506	0	506
Foot	162	0	162
Each ·	1	0	1
Foot	0	20	20
Sq. Ft.	-0	10	10
Sg. Yd.	499	0	499
L. Sum	-	-	1
Sq. F1.	5290	0	5290
Each	0	44	44
	Sq. Yd. Cu. Yd. Sq. Yd. Pound Each Foot Each Foot Sq. Ft. Sq. Yd. L. Sum Sq. Ft.	Sq. Yd. 669 Cu. Yd. 107 Sq. Yd. 499 Pound 16.080 Each 506 Foot 162 Each 1 Foot 0 Sq. Ft. 0 Sq. Yd. 499 L. Sum - Sq. Ft. 5290	Sq. Yd. 669 0 Cu. Yd. 107 0 Sq. Yd. 499 0 Pound 16.080 0 Each 506 0 Foot 162 0 Each i 0 Foot 0 20 Sq. Ft. 0 10 Sq. Yd. 499 0 L. Sum - Sq. Ft. 5290 0

CURVE DATA FOR & GREGORY STREET

P.I. Sta. 43+68.08 △ = 41°44′07" D = 7°-30′ R = 763.94

R = 753.94 T = 291.23

SE = ,Varies 0.07 %, and 0.062 %,

GENERAL NOTES & TOTAL
BILL OF MATERIALS

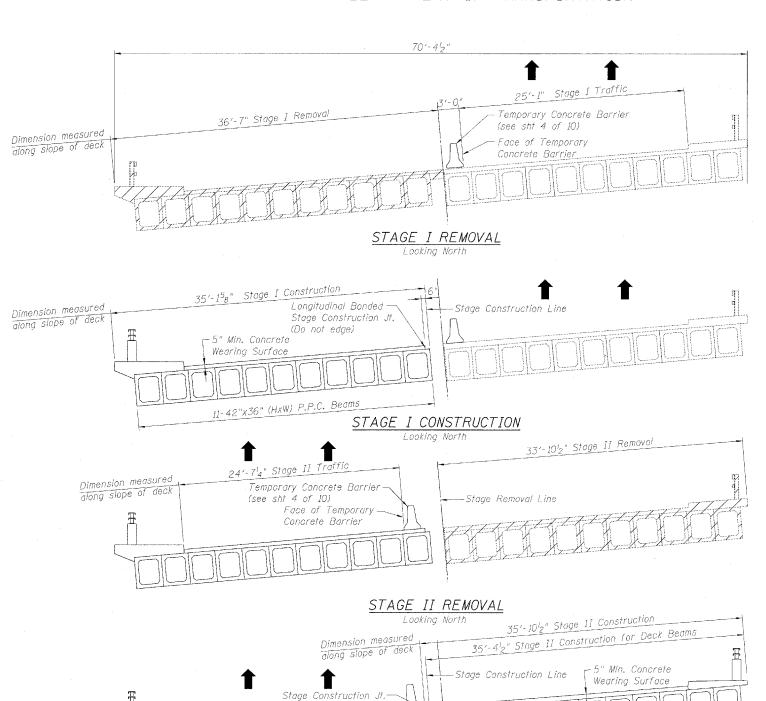
GREGORY STREET
OVER VERMONT STREET

SECTION 0103I-2 COOK COUNTY STRUCTURE NO. 016-0776 STATION 42+37.22



GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC. CONSULTING ENGINEERS AND LAND SURVEYORS 8501 W. Higgins Road; Suite 280 Chicago, Illinais 60631 (773) 399-0112

11-42"x36" (HxW) P.P.C. Beams



Pour

STAGE II CONSTRUCTION

Looking North

DESIGNED JRS

CHECKED AML

DRAWN RBH

CHECKED AML

Contract # 62362

STAGE CONSTRUCTION
GREGORY STREET
OVER VERMONT STREET
SECTION 01031-2
COOK COUNTY
STRUCTURE NO. 016-0776

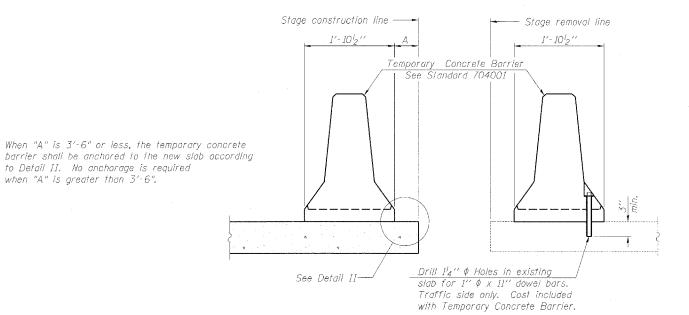
STATION 42+37.22



GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC. CONSULTING ENGINEERS AND LAND SURVEYORS 8501 W. Higgins Road; Suite 280 Chicago, Illinois 60631 (773) 399-0112

SHEET NO. SHEET NO. 4 12 27 10 SHEETS FAP 370 01031-COOK

Contract # 62362



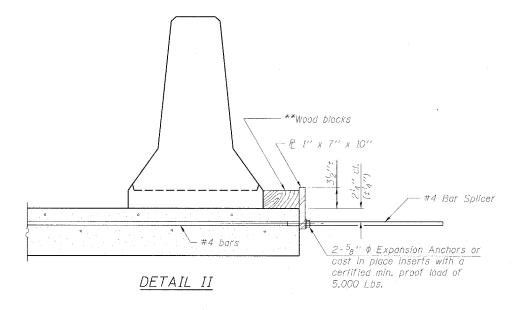
NOTES

Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x 10" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

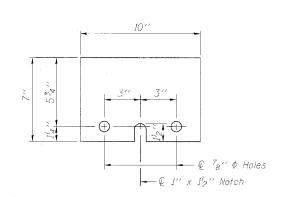
NEW SLAB

EXISTING SLAB

SECTIONS THRU SLAB



** Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.



STEEL RETAINER P 1" x 7" x 10"

(Plate may be centered on bar splicer or located between bar splicers)

TEMPORARY CONCRETE BARRIER GREGORY STREET OVER VERMONT STREET SECTION 01031-2 COOK COUNTY STRUCTURE NO. 016-0776 STATION 42+37.22



CRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC CONSULTING ENGINEERS AND LAND SURVEYORS 8501 W. Higgins Road; Suite 280 Chicago, Illinois 60631 (773) 399-0112

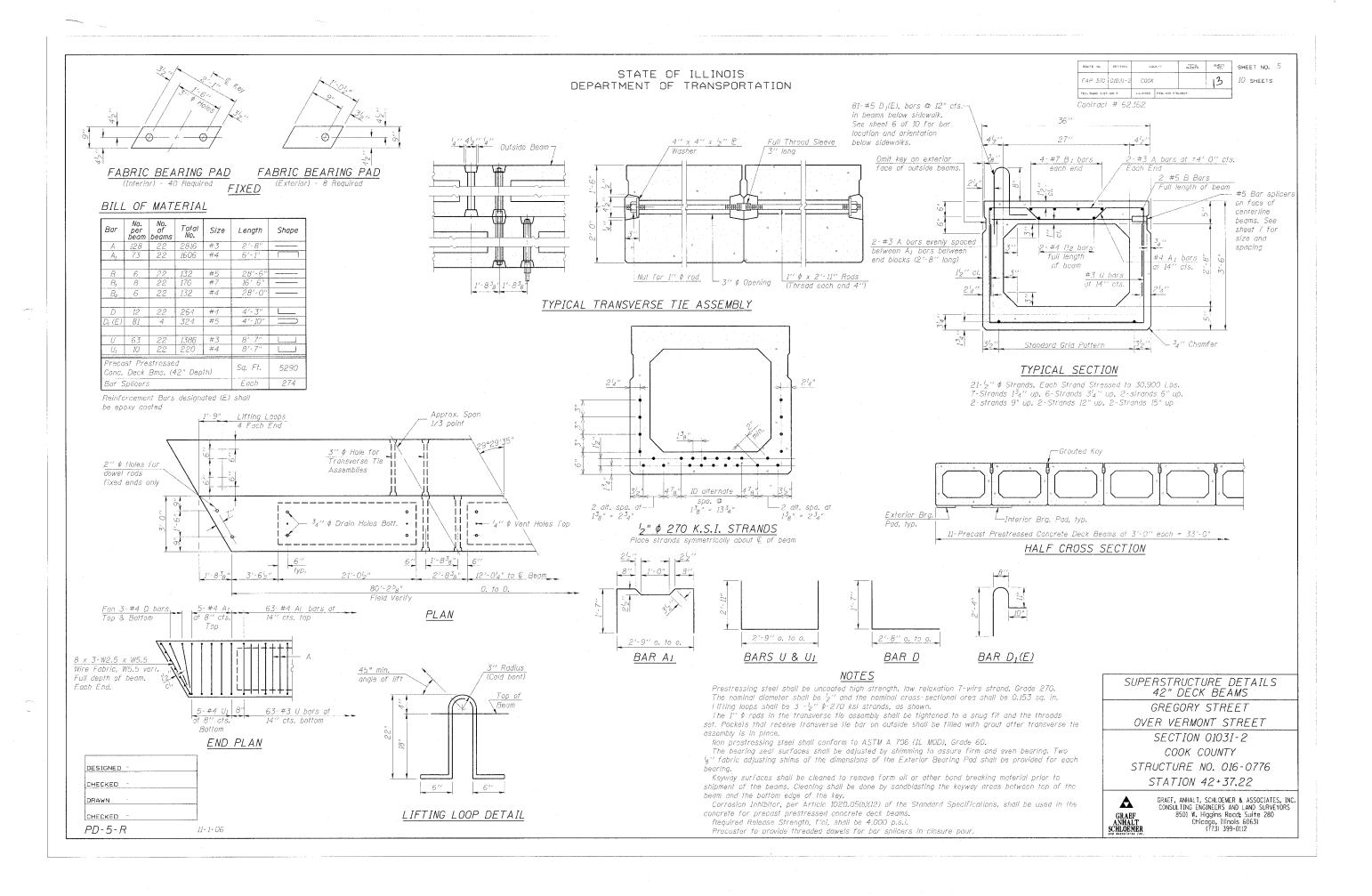
DESIGNED CHECKED DRAWN CHECKED

R-27

11-1-06

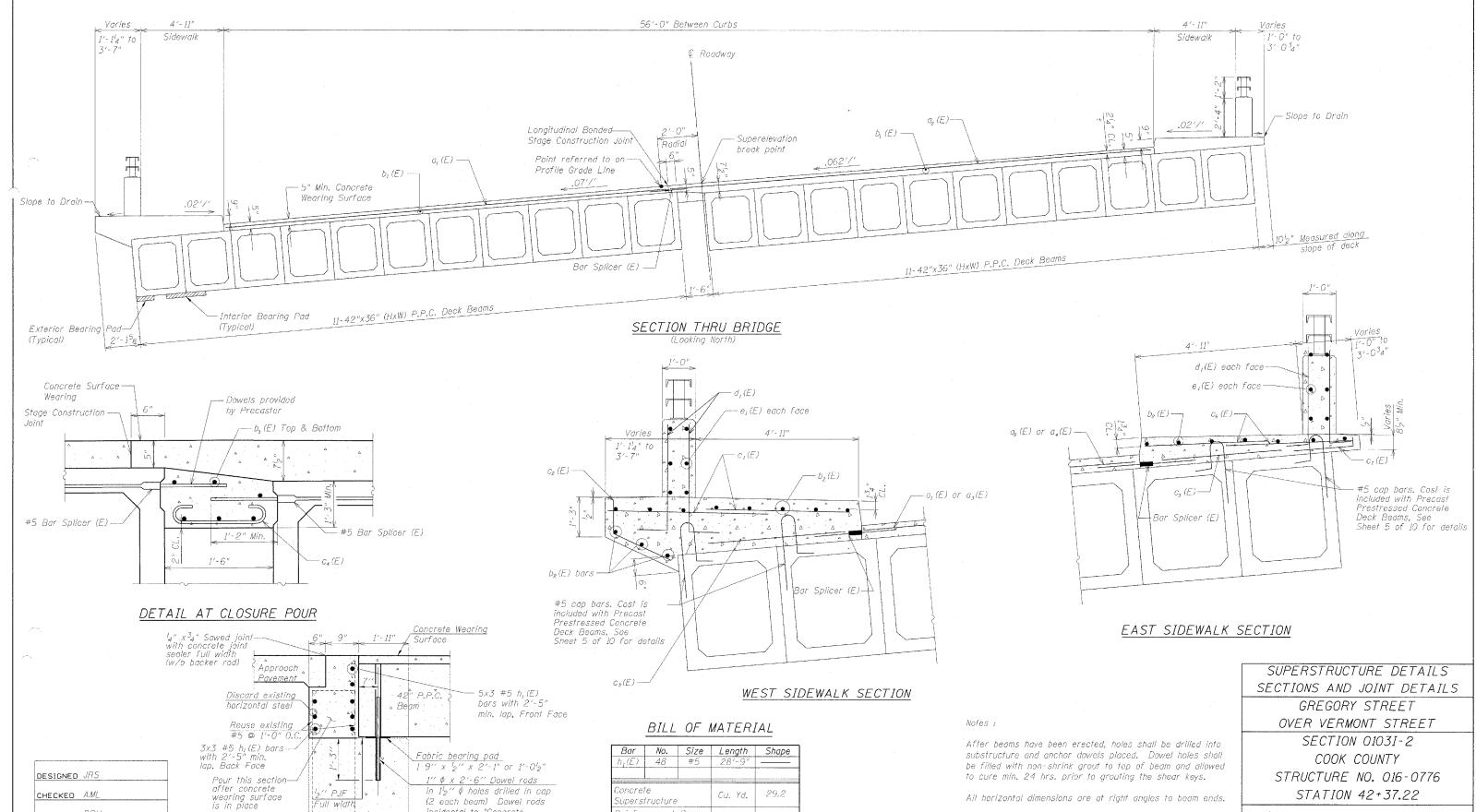
to Detail II. No anchorage is required

when "A" is greater than 3'-6".



TOYAL SHEETS SHEET NO. SHEET NO. 6 27 14 10 SHEETS FAP 370 01031-COOK PED, ROAD DIST, NO. 7

Contract # 62362



(2 each beam) Dowel rods

incidental to "Concrete

Superstructure" bid item

Full width

SECTION THRU ABUTMENT

(Dimensions are at Right angles to Abutment)

DRAWN RBH

CHECKED AML

Superstructure

Epoxy Coated

be epoxy coaled

Reinforcement Bars,

Reinforcement Bars designated (E) shall

1440

STATION 42+37.22



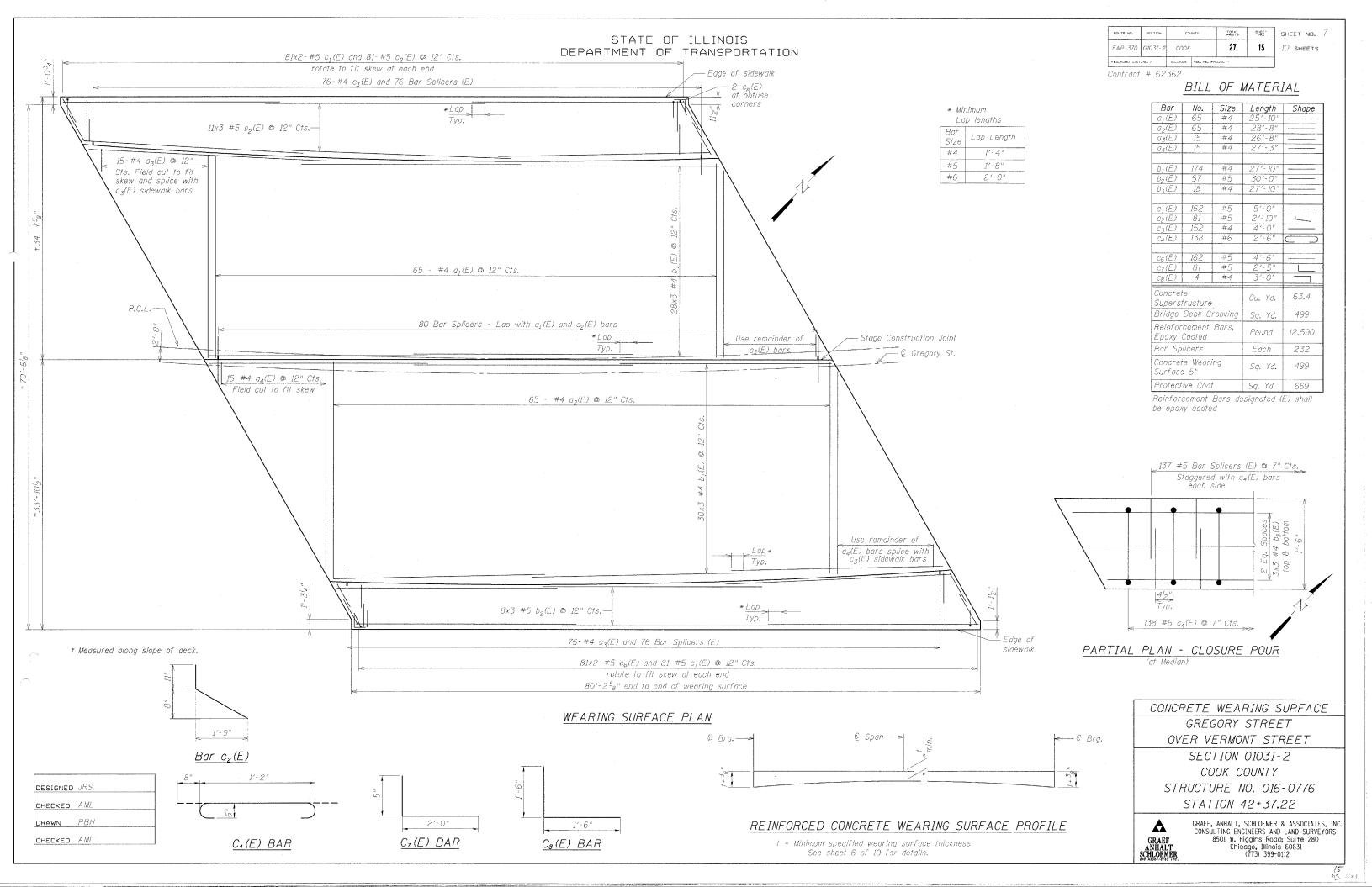
All horizontal dimensions are at right angles to beam ends.

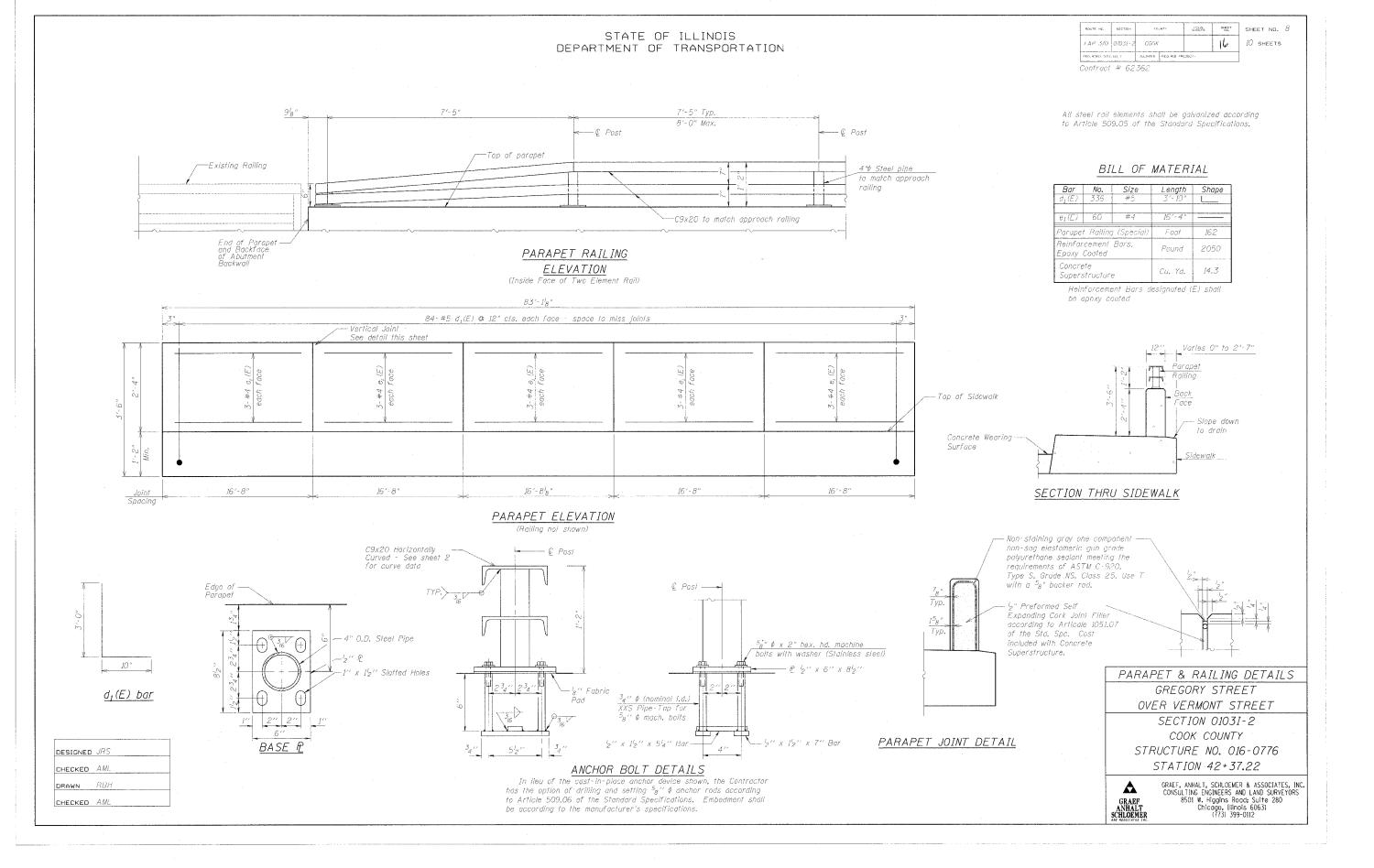
Preformed joint filler is incidental to "Precast Prestressed

Concrete Deck Beams (42" Depth)" bid item.

See sheet 5 of 10 for bearing pad details.

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC. CONSULTING ENGINEERS AND LAND SURVEYORS 8501 W. Higgins Road; Suite 280 Chicago, Illinois 60631 (773) 399-0112







Contract # 62362

<u>NOTES</u>

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.

Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length. All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.

Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved lesting laboratory that the proposed bar splicer assembly satisfies the following requirements:

(Tension in kips)

(Tension in kips)

(Tension in kips)

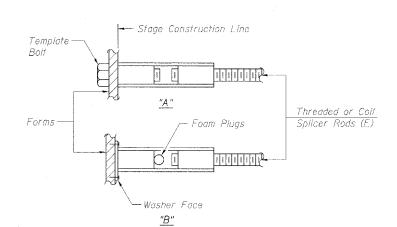
(Tension in kips)

Where fy = Yield strength of lapped reinforcement bars in ksi.

 A_t = Tensile stress area of lapped reinforcement bars.

* = 28 day concrete

	BAR SPLIC	ER ASSEMBLI	ES				
	0 " 0 "	Strength Requirements					
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length		Min, Pull-Oul Strength kips - tension				
#4	1'-8''	14.7	7.9				
#5	2'-0''	23.0	12.3				
#6	2'.7"	33.1	17.4				
#7	3′-5′′	45.1	23.8				
#8	4′-6′′	58.9	31.3				
#9	5′-9′′	75.0	39.6				
#10	7′-3′′	95.0	50.3				
#11	9'-0''	117.4	61.8				



The diameter of this part is equal or larger than the

diameter of bar spliced.

"A": Set bar splicer assembly by means of a template bolt.
"B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E): Indicates epoxy coating.

INSTALLATION AND SETTING METHODS

Reinforcement Threaded or Coil Threaded or Coil Splicer Rods (E) Approach Slab Threaded or Coil Splicer Rods (E) 4'-0'' 6'-0''

ROLLED THREAD DOWEL BAR

** ONE PIECE

WELDED SECTIONS

BAR SPLICER ASSEMBLY ALTERNATIVES

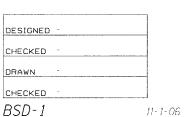
** Heavy Hex Nuts conforming to ASTM

A 563, Crade C, D or DH may be used.

- Wire Connector

FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

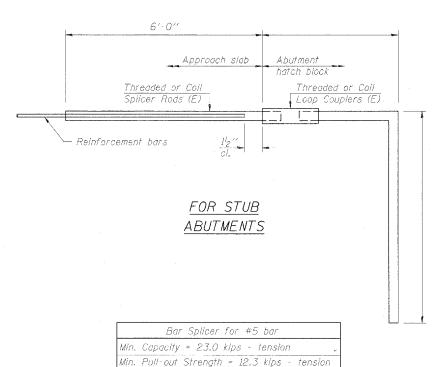
	Bar Splicer for #5 bar
Min.	Capacity = 23.0 kips - tension
Min.	Pull-out Strength = 12.3 kips - tension
No.	Required = 0



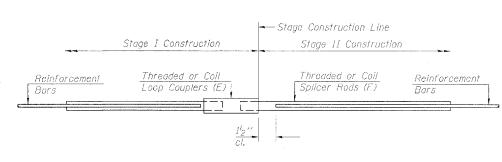
The diameter of this part

of the bar spliced:

is the same as the diameter



o. Required = 0



STANDARD

Bar Size	No. Assemblies Required	Location
#4	80	Stage Const. Joint
#4	152	Sidewalks
#5	274	PPC Deck Beams

BAR SPLICER ASSEMBLY DETAILS GREGORY STREET

OVER VERMONT STREET

SECTION 0103I-2

COOK COUNTY

STRUCTURE NO. 016-0776

STATION 42+37.22



GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC. CONSULTING ENGINEERS AND LAND SURVEYORS 8501 W. Higgins Road; Suite 280 Chicago, Illinois 60631 (773) 399-0112

ROUTE NO. SHEET NO. 10 STATE OF ILLINOIS FAP 370 01031-2 27 18 10 SHEETS COOK DEPARTMENT OF TRANSPORTATION Contract # 62362 - Remove existing backwall and salvage vertical reinforcement. Cost is included with "Removal of Existing Superstructure" Bid Item Remove asbestos bearing pads and asbestos pad at abutment backwall. 22 at each abutment -Structural Repair of Concrete (Depth = < 5) Epoxy Crack Injection locations to be determined by the resident engineer -Existing Grade WEST WINGWALL NORTH ABUTMENT EAST WINGWALL Remove existing backwall and salvage vertical reinforcement, Cost is included with "Removal of Existing Superstructure" Bid Item Remove asbestos bearing pads and asbestos pad at abutment backwall. 22 at each abutment Epoxy Crack Injection locations to be determined NOTES: by the resident engineer Quantities for Structural Repair of Concrete(Depth=<5") and Epoxy Crack Injection are approximate. Locations will be determined by the resident engineer. — Existing Grade Actual repair locations shall be shown on the As-Built plans. SUBSTRUCTURE MODIFICATIONS GREGORY STREET SOUTH ABUTMENT WEST WINGWALL EAST WINGWALL OVER VERMONT STREET SECTION 01031-2 COOK COUNTY BILL OF MATERIAL DESIGNED JRS STRUCTURE NO. 016-0776 STATION 42+37.22

10

44

Sq. Ft

Each

poxy Crack Injection Structural Repair of Concrete

(Depth-<5")

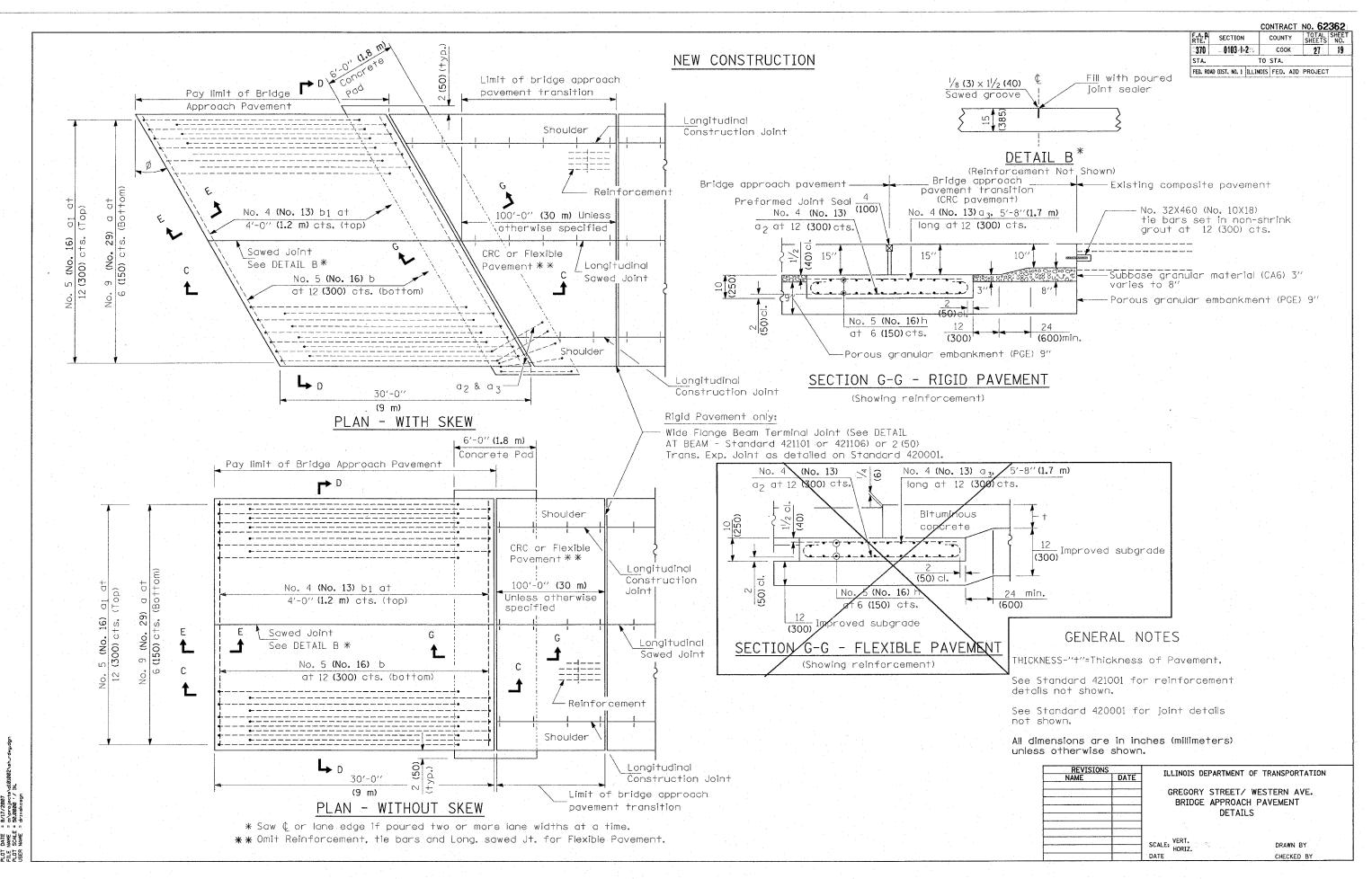
Asbestos Bearing Pad Removal

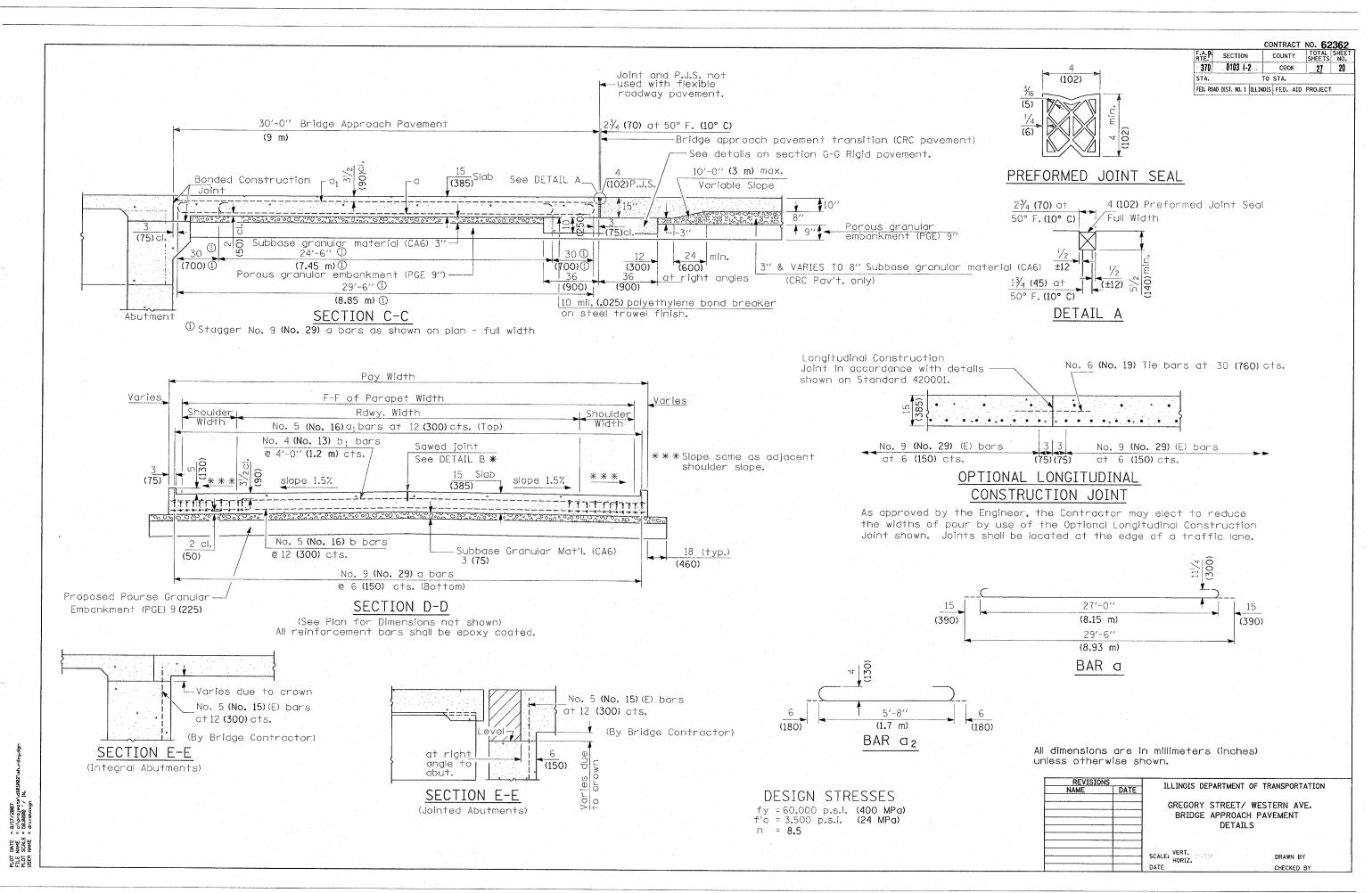
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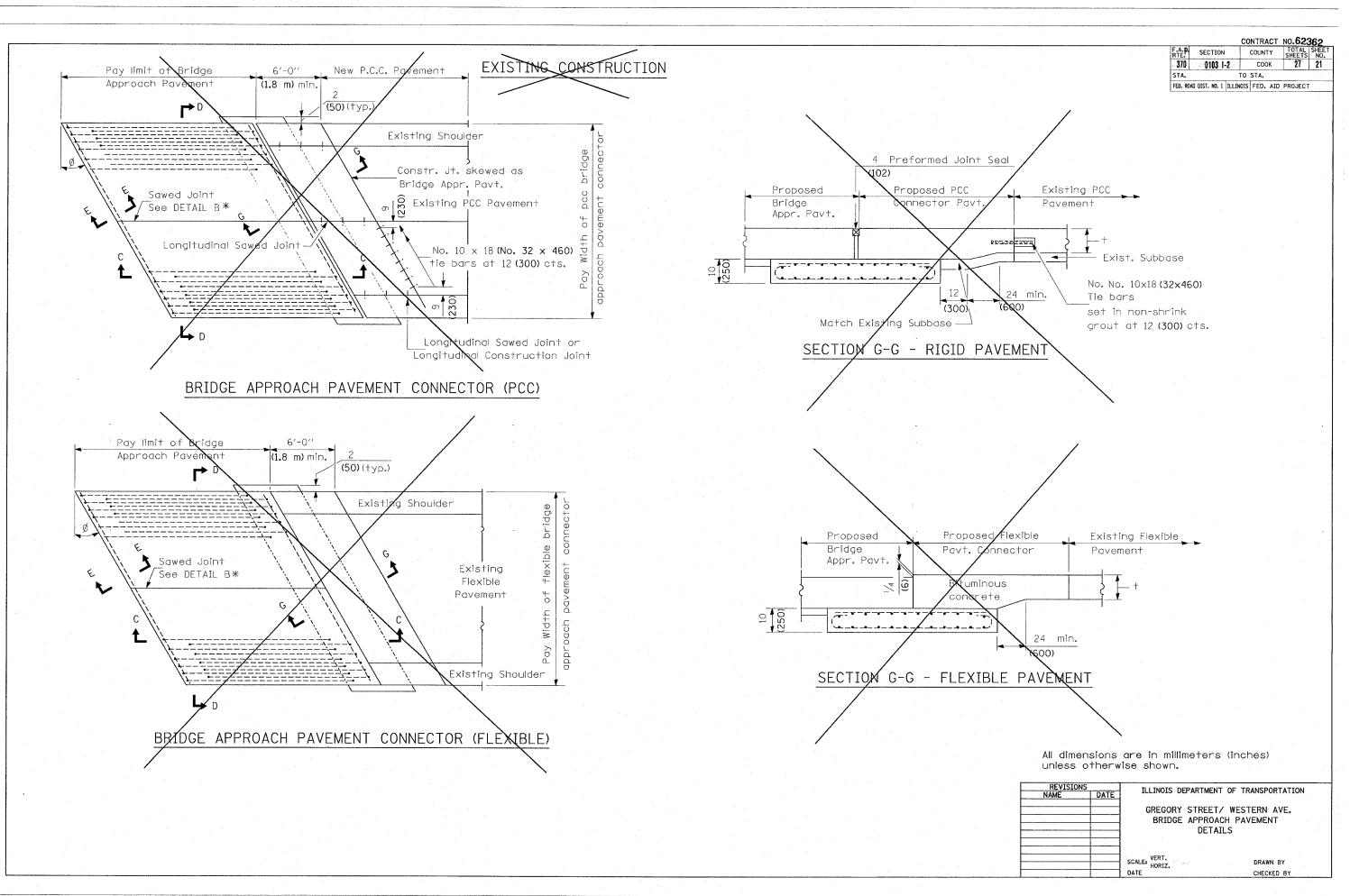
DRAWN RBH

CHECKED AML

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC. CONSULTING ENGINEERS AND LAND SURVEYORS 8501 W. Higgins Road; Suite 280 Chicago, Illinois 60631 (773) 399-0112 GRAEF ANHALT SCHLOEMER

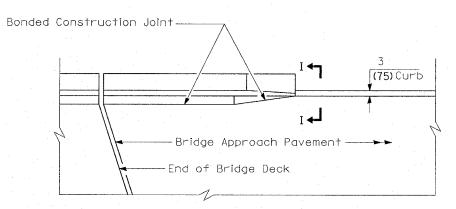




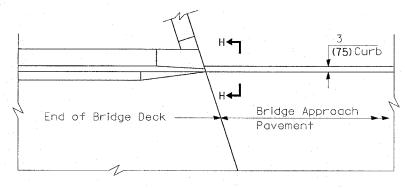


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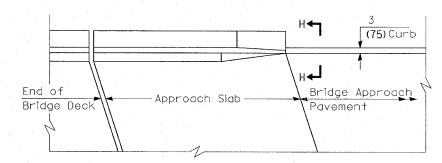
| CONTRACT NO. 62362 | F.A.P| SECTION | COUNTY | TOTAL SHEETS | NO. 1370 | 0103 f-2 | COOK | 27 | 22 | STA. TO STA. | FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID | PROJECT |



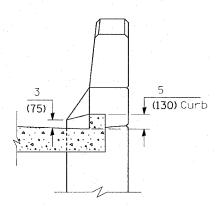
PARAPET TO CURB TRANSITION
PILE BENT ABUTMENT



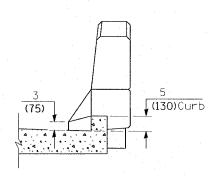
PARAPET TO CURB TRANSITION INTEGRAL ABUTMENT



PARAPET TO CURB TRANSITION VAULTED ABUTMENT



SECTION I - I



SECTION H - H

REVISIO NAME	NS
NAME	DATE
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ILLINOIS DEPARTMENT OF TRANSPORTATION

GREGORY STREET/ WESTERN AVE. BRIDGE APPROACH PAVEMENT DETAILS

SCALE: VERT.

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01 DATE = 8/16/2007 -- NAME = 0:\projects\digital2\sh_rdwy.dgr 01 SCALE = 50.0000 \for \in\ 01 SCALE = 50.0000 \for \in\

SECTION COUNTY TOTAL SHEETS COOK TO STA. STA. VARIABLE - TO MEET EXISTING FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT DIMENSIONS AND FIELD CONDITIONS (SEE NOTE 2) PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE 2) SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL 18" (450) SEE STATE STANDARD 606001 MAX. EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE) ゾ₄′′ (5)米米 EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE OR GROUND. PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SALT TOLERANT SOD AND TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE (1)). EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT SUITABLE BACKFILL MATERIAL -3" (75) MIN. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT) ¥ 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE. PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST st st IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.) WITH THE PAVEMENT. NOTE: (1) SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY BEING REMOVED AND WILL BE PAID FOR SEPARATELY. THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR SALT TOLERANT SOD AND TOP SOIL, 4" (100) RESTORATION WILL NOT BE PAID FOR SEPARATELY, MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE. BUT SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT. REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT. (2) CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED. REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN (3) FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS. PAVEMENT DELETE EPOXY COATED TIE BARS. PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 4 LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT. BY THE ENGINEER. (SEE NOTE (3)). (5) THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT. BASIS OF PAYMENT: 6 THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT". OF THE STANDARD SPECIFICATIONS. (7) THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN. ILLINOIS DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

NAME DATE
A. HOUSEH 03/11/94
R. SHAH 02/24/95
R. SHAH 03/02/95
R. SHAH 08/19/96
R. SHAH 09/12/96
R. SHAH 09/12/96
R. SHAH 09/19/96
R. SHAH 09/12/96

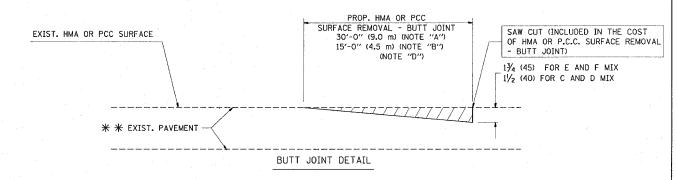
A. ABBAS M. GOMEZ CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

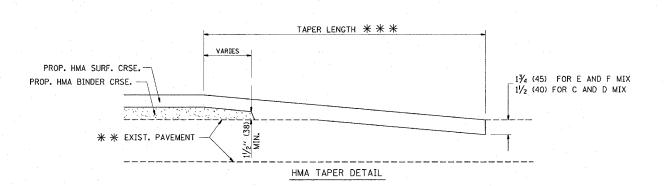
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CHECKED BY BD600-06 (BD-24)

CONTRACT NO.6236

PROP. PAY LIMIT OF HMA SURF. REMOVAL FULL THICKNESS OF MILLING TEMP. RAMP (NOTE "C") (NOTE "E") PROP. HMA SURFACE REMOVAL EXIST. PAVEMENT EXIST. HMA SURFACE MILLED TEMPORARY RAMP (FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW) OPTION 1 PROP. PAY LIMIT OF HMA SURF. REMOVAL FULL THICKNESS OF MILLING SAW CUT (INCLUDED IN THE COST TEMP. RAMP OF HMA SURFACE (NOTE "C") PROP. HMA SURFACE REMOVAL REMOVAL - BUTT JOINT) 13/4 (45) FOR E AND F MIX 4'-6" (1.35 m) PAY LIMIT FOR BUTT JOINT 1/2 (40) FOR C AND D MIX EXIST. HMA EXIST. PAVEMENT TEMP. HMA RAME HMA CONSTRUCTED TEMPORARY RAMP (FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW) OPTION 2 TYPICAL TEMPORARY RAMP HMA TAPER LENGTH *** SAW CUT (INCLUDED IN THE COST OF HMA SURFACE PROP. HMA SURF. CRSE. REMOVAL - BUTT JOINT) PROP. HMA BINDER CRSE. 4'-6" (1.35 m) VARIES_ 13/4 (45) FOR E AND F MIX PAY LIMIT FOR BUTT JOINT (NOTE "D") 11/2 (40) FOR C AND D MIX EXIST. HMA SURF. EXIST. PAVEMENT HMA SURF, REMOVAL - BUTT JOINT 진 BUTT JOINT AND HMA TAPER TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING





TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

 $****$ PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL BUTT JOINT
- G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- # see typical sections for milling thickness.
- ** * 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A") 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

OTHERWISE SHOWN.

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

REVISIONS	5	
NAME	DATE	
M. DE YONG	6-13-90	
M. DE YONG	7-3-90	
M. DE YONG	3-27-92	
R. SHAH	09/09/94	
R. SHAH	10/25/94	
A. ABBAS	03/21/97	
M. GOMEZ	04/06/01	
R. BORO	01/01/07	SC
		SU

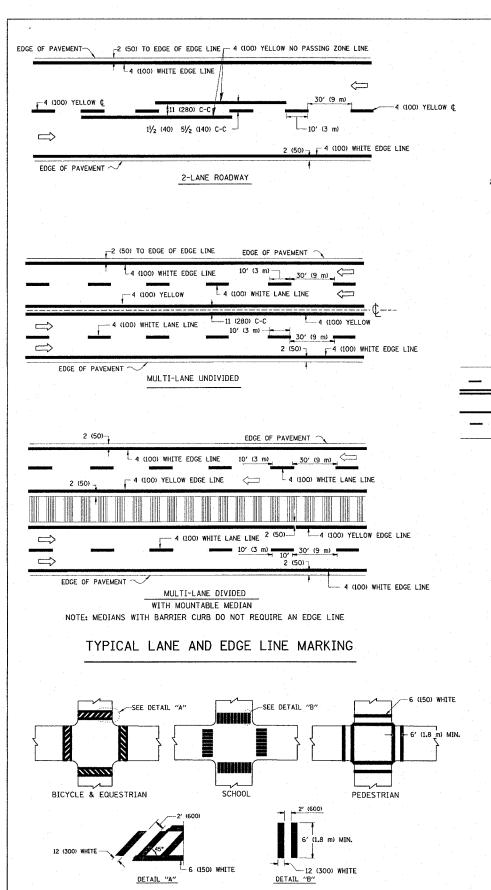
ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

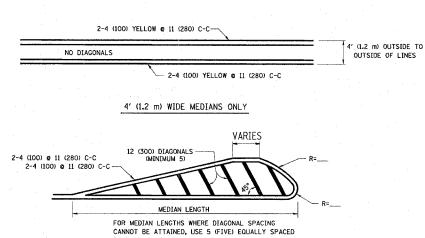
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REVISION DATE: 01/01/07



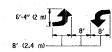
TYPICAL CROSSWALK MARKING



DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

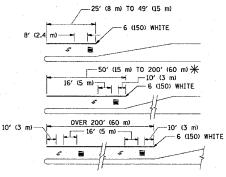
MEDIANS OVER 4' (1.2 m) WIDE 1 (100) YELLOW LINES (51/2 (140) C-C) - 4 (100) YELLOW LINES (51/2 (140) C-C) -2-4 (100) YELLOW @ 11 (280) C-C A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR.

ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

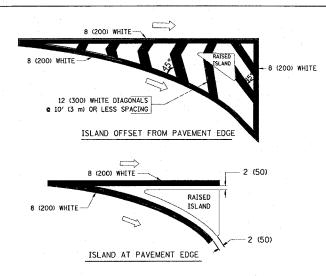


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) (III) AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVEDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 e 4 (100)	SOLID SOLID	YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW: EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 & 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 & 6 (150) 12 (300) & 45° 12 (300) & 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (I.8 m) APART 2' (GOD) APART 2' (GOD) APART 5' (GOD) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS	SOLID	YELLOW: TWO WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE
	e 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS		WHITE: ONE WAY TRAFFIC	SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS	12 (300) e 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (0VER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in millimeters (inches) unless otherwise shown.

REVISIONS		THE TAILORS	DEPARTMENT	OF TO	ANCDOD	CATTON
NAME	DATE	TETHANTS	DELAKTMENT	OF IN	MINSFORI	ALTON
EVERS	03-19-90					
T. RAMMACHER	10-27-94		DISTRIC	T ON	IC	
ALEX HOUSEH	10-09-96	_			-	
ALEX HOUSEH	10-17-96	T	YPICAL P	AVEN	/ENT	
T. RAMMACHER	01-06-00		MARKI	NICC		
			MAUVI	NGS		
		SCALE: NONE			DRAWN F	Y CADD

DATE: 6/27/2007

DRAWN BY CADD CHECKED BY TC-13

CONTRACT NO. 62362

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COUNTY

TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

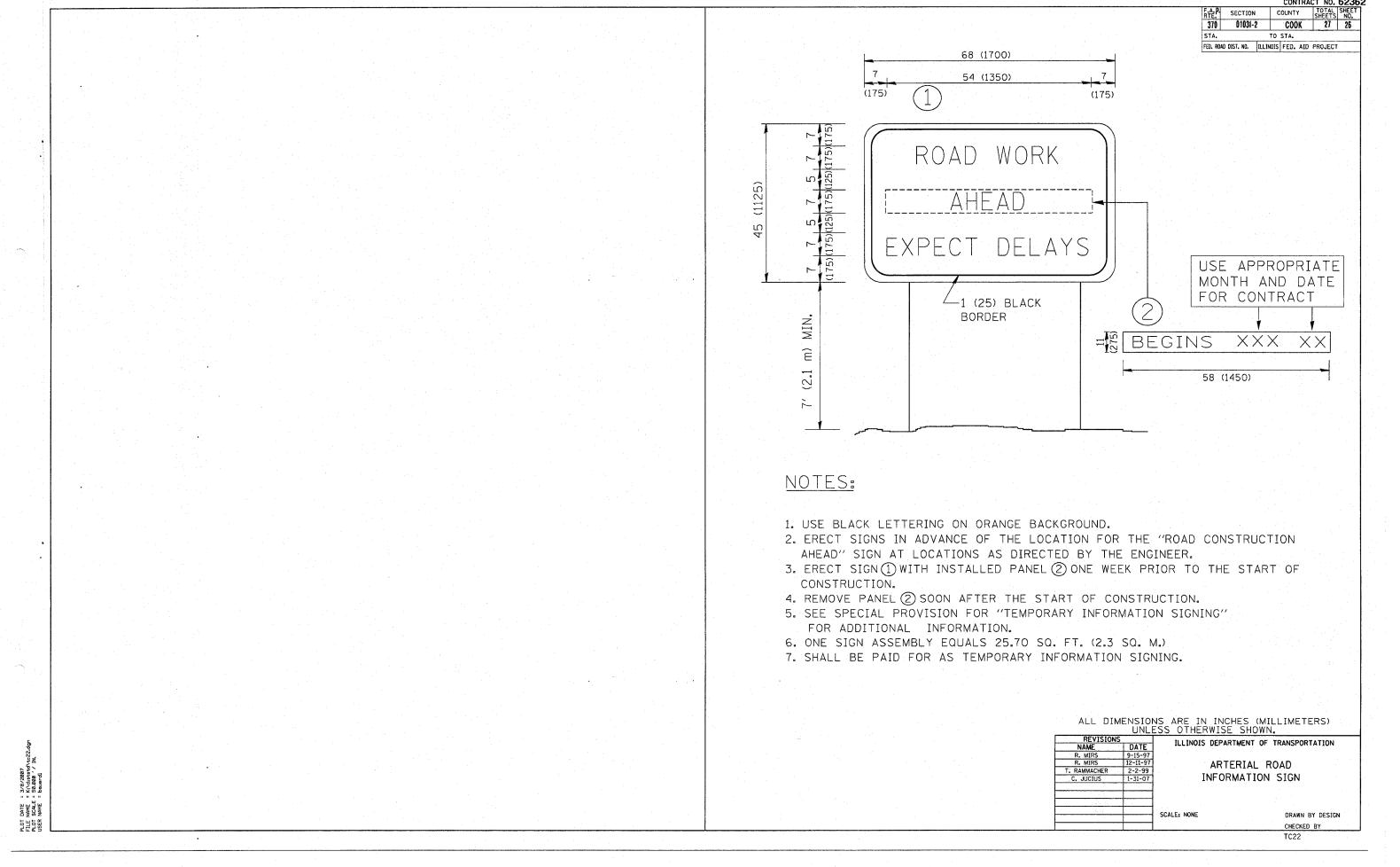
F.A.P. SECTION

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REVISION DATE: 01/06/00



 CONTRACT NO.
 62362

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 COUNTY
 TOTAL SHEETS NO.

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 F.A.P . 370 SECTION 0103 1-2 STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT ROAD ONSTRUCTION AHEAD TYPE III BARRICADES WITH TWO FLASHING AMBER LIGHTS ON EACH. TYPE I OR TYPE II BARRICADES WITH ONE FLASHING AMBER LIGHT ON EACH, OR TYPE III BARRICADES WITH TWO FLASHING 380 (15) 60 m± (200'±)-AMBER LIGHTS ON EACH. DRIVEWAY STREET; SPEED 40 MPH OR LESS 60 m± (200'±) (40 COLLECTOR LIMIT>60 km/h (150 m± (W20-1(0) ROAD SPEED ONSTRUCTION M6-4(0)-2115 M6-1(0)-2115 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- 1. SIDE ROAD WITH A SPEED LIMIT OF 60 km/h (40 MPH) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- d) ONE ROAD CONSTRUCTION AHEAD SIGN 900x900 (36x36) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 60 m (200') IN ADVANCE OF THE MAIN ROUTE,
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 60 km/h (40 MPH) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- d) ONE ROAD CONSTRUCTION AHEAD SIGN 1.2 m x 1.2 m (48x48) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 150 m (500') IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (MG-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (MG-4).

- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION				
NAME	DATE	1551140	1013 DEFANTMENT OF TRANSPORTATION			
LHA	6/89	TRAFFI	IC CONTROL AND PROTECTION			
T. RAMMACHER (09/08/94	III/AII I				
J. OBERLE	10/18/95		FOR			
A. HOUSEH (3/06/96	CIDE	DOADS INTERSECTIONS AND			
A. HOUSEH	10/15/96	210E L	ROADS, INTERSECTIONS, AND			
T. RAMMACHER (01/06/00		DRIVEWAYS			
		CON E.	201101 27			
		SCALE:	DRAWN BY			

DATE: 8/28/2007

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TC-10

REVISION DATE: 01/06/00