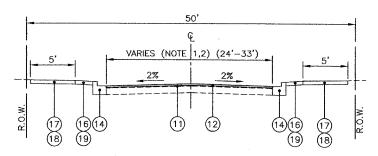


#### EXISTING TYPICAL SECTION EAST QUINCY STREET

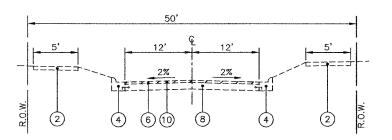
RIVERSIDE ROAD TO STA. 114+70



### PROPOSED TYPICAL SECTION EAST QUINCY STREET

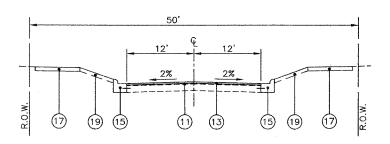
RIVERSIDE ROAD TO STA. 114+70

		1		CALCULA	· · · · · · · · · · · · · · · · · · ·		***************************************
DATE:	November 15, 2005	1					
MPROVEMENT TYPE:	FLEXIBLE PAVEME	NTC	ROSS SECTION	ON ( RESURFA	CING)		
LOCATION:	EAST QUINCY S						
	Riverside Road to South Cowley I						
			The second secon		***************************************	Contraduction of	
CLASSIFICATION OF R		=		ADWAY(ADT	> 2000 )		
TRAFFIC FACTOR = DF	P(((0.073*PV)+(44.530	*SU)	+(156.403*MU	))/1000000)	And the second of the second o		
DESIGN LANE VOLUME	E % OF ADT	=		% TRUCKS	50	% PA	SS. VEHICLES
DESIGN PERIOD, YEAR	S (DP)	=	20	YEARS			
% OF PASSENGER VE		=	98.50	%			
% OF SINGLE UNIT TRU	ICKS (SU)	=	1.40	%			
% OF MULTI UNIT TRUC	KS (MU)	=	0.10	%			
AVERAGE DAILY TRAF	FIC	=	2000	TRAFFIC FAC	TOR	=	0.017035
DESIGN LANE VOLUME		=	1000				
NO. OF PASSENGER VI	EHICLES	=	985	LB.R		=	2.5
NO. OF SINGLE UNIT TE	RUCKS	=	14	The state of the s	V at about a series are a series of the series and the series are a series and the series are a		
NO. OF MULTIUNIT TRU	ICKS	=	1	STRUCTURAL	NUMBER (Dt)	=	2.30
	PPOPO	een	PAVEMENT	CROSS SECTI	ALI		
MATERIAL	I	SED	PATERIAL	CROSS SECTI	ON		
THICKNESS	STRIK	'TI IR	AL MATERIAL	\	COEFFICIEN	m	Dt
2.00	BIT. CONC. SURFACE				0.40		0.80
£.90	SUPERPAVE, MD			0,40		0.80	
0.50	POLYMERIZED LEV				0.33		0.17
	SUPERPAVE, IL-				0.33		U.17
6.00	EXISTING BITUMINOUS BASE COURSE			F	0.23		1.38
4.00	EXISTING AGGREG				0.11		0.44



# EXISTING TYPICAL SECTION EAST QUINCY STREET

STA. 114+70 TO HARLEM AVENUE (IL. 43)



## PROPOSED TYPICAL SECTION EAST QUINCY STREET

STA. 114+70 TO HARLEM AVENUE (IL. 43)

	PAVEME	NT	DESIGN	CALCULA	TIONS		
***************************************	771421012	1	DECIOIT	O, 12001			
DATE:	November 15, 2005	1			and the second s		
MPROVEMENT TYPE:	COMPOSITE PAVE	MEN	T CROSS SEC	TION ( RESUR	FACING)		
LOCATION:	EAST QUINCY S	TRE	EET - Village	of Riverside	FAU 1693		
Andread to the section of the section of the section of	South Cowley Road						
CLASSIFICATION OF R		= CLASS NROADWAY (ADT			> 2000 )	ļ	
TRAFFIC FACTOR = DF					manuscript and according to the state of the		
DESIGN LANE VOLUME		=		% TRUCKS	50	% PA	SS. VEHICLES
DESIGN PERIOD, YEAR		=	and the statement was a series of the statement	YEARS			
% OF PASSENGER VE		=	98.50				
% OF SINGLE UNIT TRU		=	1.40				
% OF MULTI UNIT TRUC	KS (MU)	=	0.10	%			
		-					7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -
AVERAGE DAILY TRAF		==	2000	TRAFFIC FAC	TOR	=	0.017035
DESIGN LANE VOLUME		=	1000	ļi			
NO. OF PASSENGER V		=	985	I.B.R		=	2.5
NO. OF SINGLE UNIT TRUCKS		=	14			ļ	
NO. OF MULTI UNIT TRUCKS		-		STRUCTURA	L NUMBER (Dt)	=	2.30
				CROSS SECT		İ	
MATERIAL	PROPU	JOEL	PAVEMENT	CRUSS SECT	IUN		
THICKNESS	STRIN	CTUE	AL MATERIAI	2	COEFFICIEN	er .	Dt
150	BIT. CONC. SURFA			CONTRACTOR OF THE PROPERTY OF	0.40	CENTRAL PROPERTY.	0.60
1.20	SUPERPAVE, MIX C, N50			į	0.40		3.00
0.50	POLYMERIZED LEVELING BINDER (MM).				0.33		0.17
	SUPERPAVE, IL-4.75, N50				0.00		J. 11
10.00	EXISTING PCC BASE COURSE				0.26	ļ	2.60
4.00	EXISTING AGGREC			SE	0.11		0.44
MARKET COMMISSION OF THE PARTY		1					
	TOTAL DI PROVIDE	D =	1			<u> </u>	3.81

F.A.U. RTE.	SECTION	1 -	OUNT	Y	TOTAL SHEETS	SHEET NO.	
1693	05-0007 00-RS	1	COOK		14	3	
STA. TO STA.							
FED. ROA	d dist. No.	ILLINOIS	FED.	AID	PROJECT		

CONTRACT NO. 83848

#### **LEGEND**

- 1) EXISTING PCC SIDEWALK (NOTE 1)
- (2) EXISTING PCC SIDEWALK (PEA GRAVEL MIX) (NOTE 2)
- (3) EXISTING CURB AND GUTTER, TYPE B-6.18 (NOTE 1)
- (4) EXISTING CURB AND GUTTER, TYPE M-4.18 (NOTE 2)
- (5) EXISTING BITUMINOUS CONCRETE SURFACE COURSE (APPROX. 2" THICK)
- (6) EXISTING BITUMINOUS CONCRETE SURFACE COURSE, (APPROX. 1-1/2" THICK)
- (7) EXISTING BITUMINOUS BASE COURSE, (APPROX. 6" THICK)
- (8) EXISTING PCC BASE COURSE (APPROX. 10" THICK)
- (9) PROPOSED BITUMINOUS SURFACE REMOVAL, 2"
- (10) PROPOSED BITUMINOUS SURFACE REMOVAL, 1-1/2" (CONTRACTOR SHALL REMOVE ALL BITUMINOUS FROM EXISTING CONCRETE BASE. COST INCLUDED WITH REMOVAL)
- 11 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50,  $0^{\circ}$ -1/2"
- (2) PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX C, N50, 2"
- (3) PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX C, N50, 1-1/2"
- (4) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (NOTE 1) (AS DIRECTED BY THE ENGINEER)
- (15) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.18 (NOTE 2)
  (AS DIRECTED BY THE ENGINEER)
- (16) PROPOSED PCC SIDEWALK, 5 INCH (NOTE 1,3)
- 17) PROPOSED PCC SIDEWALK, 5 INCH (PEA GRAVEL MIX), (NOTE 2,3) OR PROPOSED PCC SIDEWALK, 7 INCH (PEA GRAVEL MIX). (NOTE 2,3)
- (18) PROPOSED PCC SIDEWALK, 5 INCH (SWANEE MIX) (NOTE 1,3)
- (19) TOPSOIL FURNISH AND PLACE 4" SEEDING (AS DIRECTED BY THE ENGINEER)

NOTE 1: RIVERSIDE ROAD TO STA. 105+60 (33' E-E) NOTE 2: STA. 105+60 TO HARLEM AVENUE (24' E-E) NOTE 3: MINIMUM 2 INCH CA-6 SUBBASE REQUIRED (COST INCLUDED WITH SIDEWALK)

#### BITUMINOUS MIXTURE REQUIREMENT

!TEM	AC TYPE	VOIDS	MAX RAP %
POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE IL-4.75 N50	SBS/SBR PG 76-28	2.5%@50 GYR	0
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE MIX C, N50	PG 64-22	4%@50 GYR	15
BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE IL 19.0, N70 (CLASS D PATCHES, 6" & 10")	PG 64-22	4%@70 GYR	15
BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE IL 19.0, N50 (DRIVEWAY BASE, 5")	PG 58-22	4%@50 GYR	25
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE MIX C, N50 (DRIVEWAY SURFACE, 2")	PG 64-22	4%@50 GYR	15

UNIT WEIGHT FOR ALL BITUMINOUS SURFACE MIX IS 112 LBS/SY/IN

REVISIONS ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME DATE F.A.U. 1693  EAST QUINCY STREET	
TYPICAL SECTIONS	
SCALE: NTS DRAWN BY: SMP DATE: CHECKED BY: JDM	
the state of the s	