

CUY-90-14.90

PID 77332/85531

APPENDIX LD-10

Design Vehicle Requirements (Contract Document)

State of Ohio
Department of Transportation
Jolene M. Molitoris, Director

Innerbelt Bridge
Construction Contract Group 1 (CCG1)

Revision Date: November 11, 2009

Design Vehicle Requirements

Intersection	Design Vehicle					
Central Viaduct Way & Carnegie Avenue	Bus (mountable curb permitted)					
Commercial Road & Central Viaduct Way	Bus (mountable curb permitted)					
Under-bridge parking driveway & Commercial Rd. (S)	WB-62 (constrained by pavement only, not lanes)					
Under-bridge parking driveway & Commercial Rd. (N)	Single Unit Truck					
East 9th St. & East 9th St. Entrance Ramp	WB-62					

INTERSECTION	QUABRANI	WHAT IS PROVIDED?	WORKS AS DESIGNED?	NEED FOR ADDITIONAL R/W TAKE FOR WB-627	DOES (MIPROV. IMPRACT ABBLITY TO PROVIDE SIDEWALKS?	DOES HAPROV. RESULT IN BUILDING TAKE?	ODOT WAMT REDESIGN?	
AP FROM I-90 WB & WEST 14TH CONNECTOR	NW	N/A	N/A	N/A	N/A	N/A	N/A	1
	NE. SE	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	1, 10, 10
GIÈ AVE. & ONTARIO ST.	SW	25°	NO YES	NO NO	NO N/A	NO N/A	N/A	WB-62
GIE AVE. & UNIANIUSI.	NE	751	YES	NO.	N/A	N/A	N/A	} WB-62
	SE SW	35'	YES	NO NO	N/A N/A	N/A N/A	N/A N/A	17 20
GIE AVE. & ONTARIO ST. ENTRANCE RAMP GIE AVE. & EAST 9TH ST.	SW	45' 25'	YES	NO YES	N/A NO	N/A NO	N/A	1-WB-62
HE AVE. & EAST VIN ST.	NE	25'	NO	YES	NO	NO		BWB-50
	SE SW	25' 40'	NO YES	YES NO	NO N/A	NO N/A	N/A	3 WB-69
O ST. & EAST 9TH ST.	NW	25'	NO	NO	NO	NO		WB-50
	NE SE	25' 25'	NO NO	NO YES	NO NO	NO NO		7 WB-62
OF AVE . CAPT MYU ST	SW NW	25'	NO NO	YES	NO NO	NO NO		⊣ ₹
GIE AVE. & EAST 14TH ST.	NE	50,	NO	YES	YES			{WB-40
	SE SW	N/A 50'	N/A NO	N/A YES	N/A NO	N/A NO	N/A	WB-62
NE AVE. & EAST 18TH ST.	NW	40'	NO	YES	YES	NO		Bus
	NE SE	30' 50'	NO YES	YES	NO N/A	NO N/A	N/A	
FAUE A FACT MET OF	sw	N/A	N/A	N/A	N/A	N/A	N/A	WB-65
GIE AVE. & EAST 21ST ST.	NW NE	25' N/A	NO N/A	NO N/A	NO N/A	NO N/A	N/A	~ Bus
	SE	N/A 25'	N/A NO	N/A YES	N/A YES	N/A YES	N/A	-WB-50
LAVE. & EAST 22ND ST.	NW NW	N/A	N/A	N/A	N/A	N/A	N/A	1
	NE SE	35°	YES NO	NO YES	N/A NO	N/A NO	N/A	>> Bus
	SW	35	YES	NO	N/A	N/A	N/A	- WB-62
NITY COLLEGE AVE. & EAST 22ND ST.	NW NE	N/A ~12'	N/A NO	N/A YES	N/A NO	N/A NO	N/A	> Bus
	SE	~12'	NO	YES	NO	NO	\$1.14	
AVE. & EAST 22ND ST.	SW NW	50'	YES NO	NO NO	N/A NO	N/A NO	N/A	- WB-62
	NE	50	NO	NO	NO N/A	NO N/A	N/A	> MB-63
	SE SW	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A	N/A]
AVE. & EAST 30TH ST.	NW NE	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	1
	\$E	25'	NO	YES	NO	NO		>WB-50
ND AVE. & EAST 30TH ST.	SW NW	25' 25'	NO NO	YES YES	NO NO	NO NO		\ .
	NE	25' 25'	NO NO	YES YES	NO NO	NO NO		> Bus
	SE SW	N/A	N/A	N/A	N/A	N/A	N/A]
IND AVE. & RAMP FROM 1-77 NB	NW NE	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
	ŞE	50"	NO	NO	NO	NO		WB-62
VAY AVE. & RAMP TO 1-77 SB	SW NW	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	1
	NE	N/A	N/A	N/A	N/A N/A	N/A N/A	N/A N/A	1
	SE SW	N/A 460'	N/A YES	N/A NO	N/A N/A	N/A N/A	N/A N/A	WB-62
G AVE. & RAMP TO 1-77 SB	NW NE	25' N/A	NO N/A	YES N/A	N/A	N/A	N/A	WB-50
	SE	N/A	N/A	N/A	N/A	N/A	N/A	I UR -EA
AVE, & SB MIDTOWN CONNECTOR	SW NW	-62' 25'	YES YES	N/A N/A	N/A N/A	N/A N/A	N/A -	- WB-50 - WB-62
	NE	N/A	N/A	N/A	N/A	N/A	N/A	- 200-00
	SE SW	N/A 25'	N/A NO	N/A YES	N/A	N/A	N/A	WB-62
R AVE. & NB MIDTOWN CONNECTOR	NW NE	N/A 50'	N/A YES	N/A NO	N/A N/A	N/A N/A	N/A N/A	15
	SE	50'	NO	NO	NO	NO		3 MB-62
TO/FROM I-90 WB & EAST 24TH ST.	SW NW	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	٦´
on new real trails and taking of	NE	50'	NO	YES	NO	NO	- 4/11	} WB-62
	SE SW	50' N/A	NO N/A	NO N/A	NO N/A	NO N/A	N/A	12
OM 1-90 EB & EASY 30TH ST.	NW	N/A	N/A	N/A	N/A	N/A	N/A	1
	NE SE	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	WB-50
A 100 - 1-110 Wales - 110 - 120	sw	30	NO	YES	YEŞ	NO		* ~~~~~~~
PR AVE. & RAMPS TO/FROM I-90 EB	NW NE	N/A 50'	N/A YES	N/A NO	N/A N/A	N/A N/A	N/A N/A	3 WB-62
	SE	50'	YES	NO N/A	N/A	N/A N/A	N/A N/A	15 mp-00
OR AVE. & RAMPS TO/FROM 190 WB	SW NW	N/A 40'	N/A NO	N/A NO	N/A YES	NO	-	-WB-50
	NE SE	N/A N/A	N/A N/A	N/A N/A	N/A *	N/A N/A	N/A N/A	
	sw	50'	YES	NO	N/A	N/A	N/A -	+ ωB-62
R AVE. & SLIP RAMP FROM 1-90 WB ARGINAL RD, & RAMPS TO/FROM SR 2 WB	N NW	75' 50'	NO NO	NO NO	NO YES	NO NO		WB-62
	NE SE	50' N/A	NO N/A	YES N/A	NO N/A	NO	N/A	≯WB-62
						N/A		

HTERBECTION	GUADRANT	WALAT IS PROVIDED?	WORKS AS DESTONED?	NEED FOR ADDITIONAL RW TAKE FOR WB-SO?	DOES HEPROY. BEPACT ABILITY TO PROYNCE SIDEWALKS?	DOES HAPROY. HESVILT IN BURLDING TANCE?	ODOT WANT REDESIGN?	
FAMFIELD AVE, & WEST 14TH ST.	NW NE	SỞ N/A	NO N/A	NO N/A	NO N/A	NO N/A	N/A	WB-50
	SE SW	N/A -20'	N/A NO	N/A YES	N/A	N/A NO	N/A	L su
ARBEY AVE. & WEST 14TH CONNECTOR	NW NE	-20' N/A N/A	N/A N/A	YES N/A	NO N/A N/A	NO N/A N/A	N/A N/A	1
	SE	25	NO NO	NO NO	NO NO	36		> WB-50
DOMMERCIAL ROAD HILL CONNECTOR & CANAL RD.	NW NE	25' N/A 25'	N/A NO	NO N/A YES	N/A NO	N/A N/A	N/A	1
EAST 9TH ST. & CANAL RD.	SE	25' N/A	NO N/A	YES	N/A	N/A	N/A	> WB-50
COMMERCIAL ROAD HELL COMMERCIAL ROAD HILL	SW NW NE	15'	NO NO	NO NO	NO NO	NO NO		> Bus
EAST 9TH ST. & COMMERCIALRD.	SE	N/A N/A	N/A	N/A	N/A N/A	N/A	N/A	
ERGASWAY AVE. 6 COMMERICAL ROAD HELL CONNECTOR	SW NW NE	N/A 25	N/A N/A NO	N/A N/A N/O	N/A NO	N/A N/A NO	N/A N/A	>WB-50
BROADWAY AVE & EAST 9TH ST.	SE SW	25 N/A	NO N/A	NO.	NO N/A	NO N/A	N/A	>WB-36
PROJUMAY AVE. & CAST TOTH ST.	NW	25°	NO NO	N/A NO NO	NO NO	90 90 90	- 20	> WB-50
BROADWAY AVE & EAST 14TH ST	SE SW	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	- 112 30
MTARIO GT. L CAST 187H ST.	NW NE	50°	VES VES	NO NO	N/A N/A	N/A N/A	N/A N/A	1)
ORANGE AVE & EAST 14TH ST.	SE	50"	YE6	NO	N/A	N/A	N/A	\ WB-50
CARNEGIE AVE. & EAST 19TH ST.	SW NW	50°	NO NA	NO NVA	NO N/A	NC N/A	N/A	1"
	NE SE	N/A 25	N/A YES	N/A NO	N/A N/A	N/A N/A	N/A N/A ~	WB-50
CARNEGIE AVE. & EASY 22ND ST.	SW NW	25' N/A	NO N/A	YES N/A	YES N/A	NO N/A	N/A	- su
	NË SE	25°	YES NO	NO NO	N/A NO	N/A NO	N/A	{WB-50
YOODLAND AVE. & EASY 22NO ST.	SW NW	35'	NO N/A	NO.	NO N/A	NO I	N/A	2
	NE SE	50' N/A	YES N/A	NO N/A	N/A N/A	N/A N/A	N/A -	~WB-50
EDAR AVE. & MIDTOWN CONNECTOR	SW NW	N/A 30'	N/A NO	N/A YES	N/A	N/A	N/A	1
	NE SE	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	> su
SARNEGIE AVE. & MIDTOWN CONNECTOR	sw NW	30,	NO VES	· NO	NO NO	NO NO	-WA	
SALLED MATE A MID TO THE CONTROL OF	NE SE	50	YES	NO YES	150 150	%C %C	N/A	} WB-50
PROSPECT AVE. & SB MIDTOWN CONNECTOR	SW	25' 35'	NO NO	YES NO	×0 ×0	NO.		3 ~
-NOSPECT ATE. & SO MICHON CORRECTOR	NE SF	N/A N/A	N/A N/A	N/A	NU N/A N/A	N/A	N/A N/A	B-50
	SW	50°	YES NA	ND ND	N/A	N/A N/A	NJA	12 20
PROSPECT AVE. A NE MIDTOWN CONNECTOR	NE	50	YES	N/A NO	N/A N/A	N/A N/A	N/A N/A	}WB-50
	BE SW NW	50' N/A	NO N/A	YES N/A YES	NO N/A	NO N/A	N/A	2 mp 30
EUCLID AVE. & SB MIOTOWN CONNECTOR	NE	35' N/A	NO N/A	N/A	NO N/A	NO N/A	N/A	3 WB-50
	SE GW	N/A 35'	N/A NO	N/A YES	N/A NO	N/A NO	N/A	3 22 30
CUCLID AVE. & NB MIDTOWN CONNECTOR	NW NE	H/A 35'	N/A NO	N/A YES	N/A YES	N/A NO	N/A	BRIDGE REDESIGN & WB-50
	SE SW	35' N/A	NO N/A	YES N/A	YES N/A	NO N/A	N/A	BRIDGE REDERIGN 5 WILL THE
CHESTER AVE. & EAST 24TH ST.	NW NE	25' 25'	NO NO	NO NO	NO NO	NO NO		7 UR 50
	SE SW	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	} WB-50
CHESTER AVE. & EASY 30TH ST.	NW NE	25' 25'	YES NO	NO YES	N/Å YES	N/A YES	N/A -	- WB-50
	SE SW	23.8' 29.2'-41.8'	NO NO	NO I	NO.	NO YES	=	Best possible within ex. Ro
SUPERIOR AVE. & EAST 26TH ST.	NW NE	35' 35'	NO 000	YES YES	YES NO YES	NO NO		
	SE	N/A	N/A N/A	N/A	-N/A	N/A	N/A	} WB-50
SUPERIOR AVE. & EAST 30TH ST.	SW NW NE	N/A 25' 25'	YES	NVA NO	N/A N/A	N/A N/A	N/A	-WB-50 111 111
	SE	25'	NO NO	YES YES	YEG	YES NO		-WB-50 2 Best possible within 5 ex, ROW
T. CLAIR AVE. & EABY SOTH ST.	SW NW	25' 25'	NO NO	YES NO	YE9 NO	YES NO		BRIDGE REDESIGN T
	NE SE	25' 25'	NO NO	YES YES	NO NO	NO NO		{WB-40
AMILTON AVE. & EAST JOTH ST.	SW NW	25' N/A	NO N/A	NO N/A	YES N/A	N/A	N/A	BRIDGE REDESIGN
İ	NE SE	N/A 25'	N/A NO	N/A YES	N/A	N/A	N/A	~1.1B-40
OUTH MARGINAL HOAD & EAST 38TH ST.	SW WW	25'	NO NA	YES NVA	YEŞ N/A	NO N/A	N/A	BRIDGE REDESIGN > WB - 40
	NE SF	N/A 50'	N/A NO	N/A NO	N/A NO	N/A NO	N/A	~ UB 55
	SE)	1	1 20	NO 1			>WB-50

NOTE: XX-YY-ZZ ARE RADIUS DETAILS IN THE DIRECTION OF TRAVEL ALONG THE RADIUS RETURN.

NOTE, ROAD LISTED FIRST IN INTERSECTION COLUMN IS CONSIDERED EAST-WEST ROUTE