Addendum # 1 -- 16-024.1-CIP -- E-Mail Coversheet

Comprehensive Wayfinding System - Phase 1A and 1B, Rebid

Planholder	*Company E-Mail*	*Company Contact*
Allied Construction Industries		Candi Oakley
Architectural Specialties Ltd	kellywatson@archspecltd.com	Kelly Watson
Bid Net	gbs@bidnet.com	Kurt Pitzer
Builders Exchange	ametcalf@bxohio.com	Andrea Metcalf
Color-Ad, Inc.	dshourds@color-ad.com	David Shourds
Columbus Asphalt Paving, Inc.	dpower@capasphalt.com	David Power
ConstructConnect	allen.blair@constructconnect.com	Allen Blair
Construction Journal	donnad@thecj.com	Donna Dybzinski
Custom Sign Creations	jimb@cscsign.com	Jim Beckett
DODGE Data & Analytics	bonny.mangold@construction.com	Bonny Mangold
Geograph Industries, Inc.	mikefreudiger@geograph-ind.com	Mike Freudiger
GPD Group	sseaman@gpdgroup.com	Scott Seaman
Harmon Sign, a division of Allen Indust	john.v@allenindustries.com	John Venglarcik
Holthaus Lackner Sign Co.	andrea@hlsigns.com	Andrea Ward
M. P. Dory	bob@mpdory.com	Bob Park
Ortwein Sign	tneelands@ortweinsign.com	Ted Neelands
Skyline Sign	travis@skylinesignsusa.com	Travis Truett
The Blue Book Building & Construction	kstein@thebluebook.com	Kathy Stein

Please sign, date and return by e-mail to hgeorge@dublin.oh.us to verify receipt of this addendum. Attach signed copy of addendum to bid package when submitting a bid.

Received by:_____ Date: _____

City of Dublin

Date of Addendum
Jan 27, 2017

City of Dublin -- Division of Engineering
5800 Shier-Rings Road Dublin OH 43016
Phone (614) 410-4640 Fax (614) 761-650

ADDENDUM NO. 1
to the contract for
Comprehensive Wayfinding System Phase 1A and 1B
16-024.1-CIP
Bid Date: February 7, 2017

TO PROSPECTIVE BIDDERS: The following changes shall be made part of the contract documents for this project:

INFORMATION

1. A pre-bid meeting is not scheduled for this project. Please contact Tina Wawszkiewicz (twawszkiewicz@dublin.oh.us) with any questions regarding the bid package.

2. There are existing foundations for several of the proposed wayfinding signs. Where foundations are provided, the construction drawing plan sheets specify "Sign Foundation Provided by Others." See sheet 35, for example. The existing foundations have been prepared in coordination with the subject project. Sign assemblies have not been installed for sign types D1, D2, or D4.

3. Notes are also included on the construction drawing plan sheets to indicate if a sign assembly (sign support assembly, pedestal, base, and flat sheet sign) is to be delivered to the City for future installation by others. See sheet 35, for example. See sheets 4 and 4A for a list of sign assemblies to be delivered. Spare stock and flat sheet signs for future use are also to be delivered to the City, as detailed on sheets 4, 4A, and 80.

4. Quantities for Item 630, Signing, Misc.: Flat Sheet, Wayfinding Sign D1 (3'-11" x 6'-3 ½") are calculated as follows:

   44 initial panels for installation
   + 4 initial panels for delivery to City, future installation by others
   + 21 replacement panels for delivery to City, future installation by others
   = 69 Each

   Spare sign panels are quantified separately. Other sign types follow the same method.

BID SCHEDULE

5. Please find a revised bid schedule attached and available for download. The quantity for reference line 29 has been updated.

CONSTRUCTION DRAWINGS

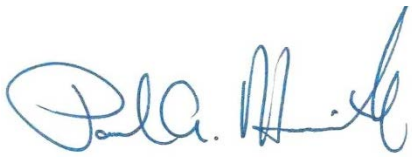
6. Please find revised construction drawing sheets 4, 5, and 9 attached. Quantities have been updated to more accurately reflect the plans.

* * * Beginning of Sheet 2 * * *

7. The overall size of sign type B2 is 4'-4 3/8" bottom width x 7'-0" height, including the frame. The overall size of the B2 sign panel, without the frame, is 4'-2 ¾" width x 6'-11 5/8" height. Please find revised construction drawing sheets, providing additional dimensions and details, on sheet 65 attached.

* * * * * * * * * * *

Addendum Approved By:



Paul A. Hammersmith, PE 01-27-2017
Director of Engineering/City Engineer Date

* * * * * * * * * * *

Terminus for Addendum No. 1
Certification by Bidder

Bidder shall sign and date one copy of this Addendum No. 1 and submit with his proposal as evidence of receipt and evaluation of same in his bid analysis.

Signed: _____ **Date:** _____

Company: _____

BID SCHEDULE

BIDDER agrees to perform all work described in the CONTRACT DOCUMENTS for the following unit prices:

Comprehensive Wayfinding System
Phase 1A and 1B

CITY OF DUBLIN

REF NO.	(1) ITEM	(2) DESCRIPTION	(3) QUANT.	(4) UNIT	(5) LABOR ($)	(6) MATERIAL ($)	(7) (5)+(6) TOTAL ($)	TOTAL EXTENDED INFORMAL PRICE ($)
		GENERAL						
1	614	MAINTAINING TRAFFIC, AS PER PLAN	1	LUMP				
2	623	CONSTRUCTION LAYOUT STAKES, AS PER PLAN	1	LUMP				
3	624	MOBILIZATION	1	LUMP				
							GENERAL SUBTOTAL =	
		ROADWAY						
4	201	CLEARING AND GRUBBING	1	LUMP				
5	201	TREES OR STUMPS REMOVED	1	EACH				
6	661	DECIDUOUS TREE, 2" CAL., SPECIES TO BE DETERMINED	3	EACH				
7	SPECIAL	PROOF SURVEY	1	LUMP				
							ROADWAY SUBTOTAL =	
		EROSION CONTROL						
8	653	TOPSOIL FURNISHED AND PLACED, AS PER PLAN	10	CY				
9	659	SEEDING AND MULCHING, AS PER PLAN	70	SY				
10	659	COMMERCIAL FERTILIZER	0.2	TON				
11	659	WATER	0.4	MGAL				
12	SPECIAL	TREE PROTECTION FENCE, AS PER PLAN	100	LF				
							EROSION CONTROL SUBTOTAL =	
		MAINTENANCE OF TRAFFIC						
13	614	LAW ENFORCEMENT OFFICER WITH PATROL CAR, ALLOWANCE PER PLAN	65	HOUR	$76.92	-	$76.92	$5,000.00
							MAINTENANCE OF TRAFFIC SUBTOTAL =	*$5,000.00*
		TRAFFIC CONTROL						
14	630*	GROUND MOUNTED SUPPORT, NO.3 POST, TYPE S, AS PER PLAN	1,304.8	FT				
15	630*	SIGN SUPPORT ASSEMBLY, POLE MOUNTED, AS PER PLAN	83	EACH				
16	630*	SIGN SUPPORT ASSEMBLY, POLE MOUNTED, AS PER PLAN (SPARE)	8	EACH				
17	630*	SIGN, DOUBLE FACED, STREET NAME, AS PER PLAN	54	EACH				
18	630*	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	67	EACH				
19	630*	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION, AS PER PLAN	16	EACH				
20	630*	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DELIVERY, AS PER PLAN	6	EACH				
21	630*	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL, AS PER PLAN	53	EACH				
22	630*	REMOVAL OF GROUND MOUNTED POST SUPPORT AND REERECTION, AS PER PLAN	3	EACH				
23	630*	REMOVAL OF POLE MOUNTED SIGN AND REERECTION, AS PER PLAN	2	EACH				
24	630*	SIGNING, MISC.: 2 1/4" SQUARE ANCHOR POST, AS PER PLAN	97	EACH				
25	630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, B2 (4'-4 3/8" X 7'-0")	4	EACH				
26	630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, B2 (4'-4 3/8" X 7'-0") (SPARE)	1	EACH				
27	630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D1 (3'-11" X 6'-3 1/2")	69	EACH				
28	630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D1 (3'-11" X 6'-3 1/2") (SPARE)	7	EACH				

BID SCHEDULE

BIDDER agrees to perform all work described in the CONTRACT DOCUMENTS for the following unit prices:

Comprehensive Wayfinding System
Phase 1A and 1B

CITY OF DUBLIN

REF NO.	(1) ITEM	(2) DESCRIPTION	(3) QUANT.	(4) UNIT	(5) LABOR ($)	(6) MATERIAL ($)	(7) (5)+(6) TOTAL ($)	TOTAL EXTENDED INFORMAL PRICE ($)
29	630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D2 (3'-8" X 5'-11")	29	EACH				
30	630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D2 (3'-8" X 5'-11") (SPARE)	3	EACH				
31	630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D3 (3'-0" X 2'-3")	7	EACH				
32	630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D3 (3'-0" X 2'-3") (SPARE)	1	EACH				
33	630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D4 (2'-4" X 5'-11")	4	EACH				
34	630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D4 (2'-4" X 5'-11") (SPARE)	1	EACH				
35	630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D5 (3'-0" X 4'-11")	30	EACH				
36	630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D5 (3'-0" X 4'-11") (SPARE)	3	EACH				
37	630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D6 (3'-10" X 6'-3 1/2")	3	EACH				
38	630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D6 (3'-10" X 6'-3 1/2") (SPARE)	1	EACH				
39	632*	PEDESTAL FOUNDATION, AS PER PLAN	59	EACH				
40	632*	PEDESTAL, MISC.: PEDESTAL, 13.5'	29	EACH				
41	632*	PEDESTAL, MISC.: PEDESTAL, 13.5' (SPARE)	3	EACH				
42	632*	PEDESTAL, MISC.: PEDESTAL, 15.0'	48	EACH				
43	632*	PEDESTAL, MISC.: PEDESTAL, 15.0' (SPARE)	5	EACH				
		TRAFFIC CONTROL SUBTOTAL =						

= Addendum No. 1 Revision

* Denotes ODOT Construction and Material Specifications (2016 Edition). All other items reference City of Columbus Construction and Material Specifications, 2012 Edition.

GRAND TOTAL = **$5,000.00**

TOTAL BID FOR PROJECT: _____

SUBMITTED BY: (COMPANY) _____

COMPREHENSIVE WAYFINDING SYSTEM
PHASE 1A AND 1B

16-024-CIP

City of Dublin

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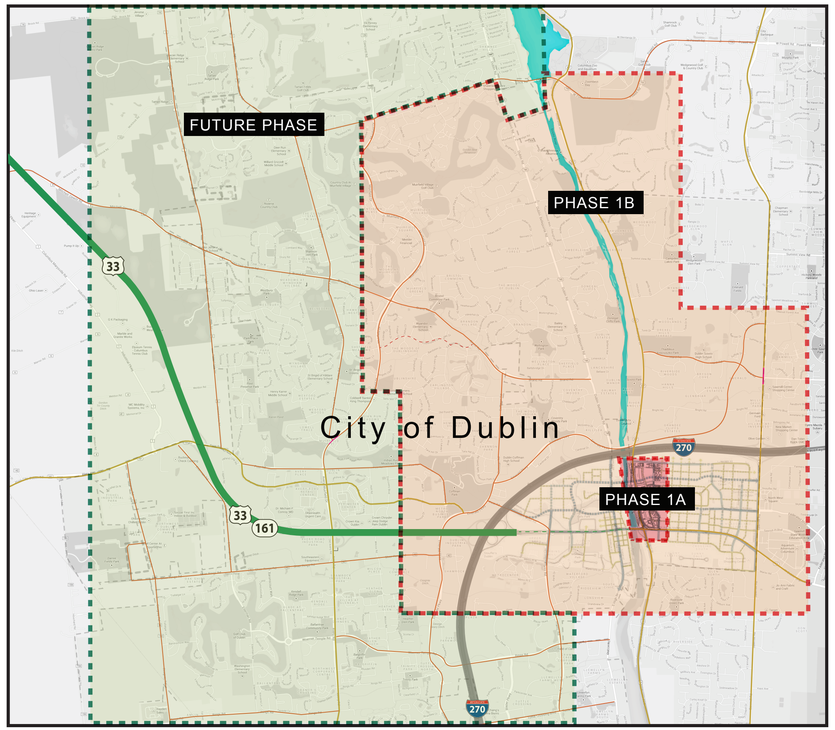
PLANS ARE REQUIRED TO BE PRINTED IN COLOR TO FULLY CONVEY THE INTENT OF THE ENGINEERING DESIGN.



LOCATION MAP

ENGINEERS SEAL:
STATE OF OHIO
MICHAEL JOHN ZWICK
59572
REGISTERED
PROFESSIONAL ENGINEER

REGISTERED ENGINEER — 9-27-2016 DATE

SIGNATURES BELOW SIGNIFY CONCURRENCE WITH THE GENERAL PURPOSES AND GENERAL LOCATION OF THE PROJECT ONLY AND DO NOT CONSTITUTE ASSURANCE TO OPERATE AS INTENDED. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE PROFESSIONAL CIVIL ENGINEER PREPARING THE PLANS.

APPROVED:

CITY ENGINEER, CITY OF DUBLIN, OHIO
Paul A. Hammersmith, P.E. — 10.3.2016 DATE

Ohio Utilities Protection Service
Call 811 before you dig

STANDARD CONSTRUCTION DRAWINGS

CITY OF DUBLIN		ODOT		CITY OF COLUMBUS	
RD-10		TC-41.20	10/18/13	1500	9/15/15
RD-15		TC-41.40	10/18/13	1510	9/15/15
		TC-41.50	10/18/13	1520	9/15/15
		TC-42.20	10/18/13	1540	9/15/15
		TC-83.20	7/15/16	1550	9/15/15

kolar
NORTH AMERICA
807 Broadway, 5th Floor
Cincinnati Ohio USA 45202
US 513 241 4884
US toll free 866 264 7738
EUROPE
CH toll free 0800 559 017
www.kolardesign.net

Rev. No.	REVISION DESCRIPTION	Sheet or Sheets	Initial	Date
1	NOTATION REVISIONS	4, 4B, 7, 9, 62, 69-70, 73, 75-78	RH	1/10/17
2	NOTATION REVISIONS	4, 9, 65		1/27/17

ITEM 623, CONSTRUCTION LAYOUT STAKES, AS PER PLAN

IN ADDITION TO ITEM 623, CONTRACTOR SHALL COORDINATE WITH CITY ENGINEER TO FIELD VERIFY EACH SIGN LOCATION.

PAYMENT FOR ALL COORDINATION EFFORTS, LABOR EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 623, CONSTRUCTION LAYOUT STAKES.

ITEM 201, TREES OR STUMPS REMOVED

IN ADDITION TO THE REQUIREMENTS OF CITY OF COLUMBUS C&MS 201, THE CONTRACTOR SHALL CONTACT THE CITY ENGINEER IF A CONFLICT WITH EXISTING VEGETATION IS FOUND. THE CITY ENGINEER WILL DETERMINE IF ANY TREE REMOVAL IS NECESSARY FOR THE PROPOSED SIGN INSTALLATION.

PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK AND SHALL BE INCLUDED IN THE UNIT PRICE BID PER EACH FOR ITEM 201, TREES OR STUMPS REMOVED. TO BE USED AS DIRECTED BY THE CITY ENGINEER.

ITEM 661, DECIDUOUS TREE, 2" CAL., SPECIES TO BE DETERMINED

IN ADDITION TO THE REQUIREMENTS OF CITY OF COLUMBUS C&MS 661, THE CITY OF DUBLIN WILL PROVIDE THE TREE SPECIES AND ALL APPLICABLE PLANTING AND FORESTRY STANDARDS.

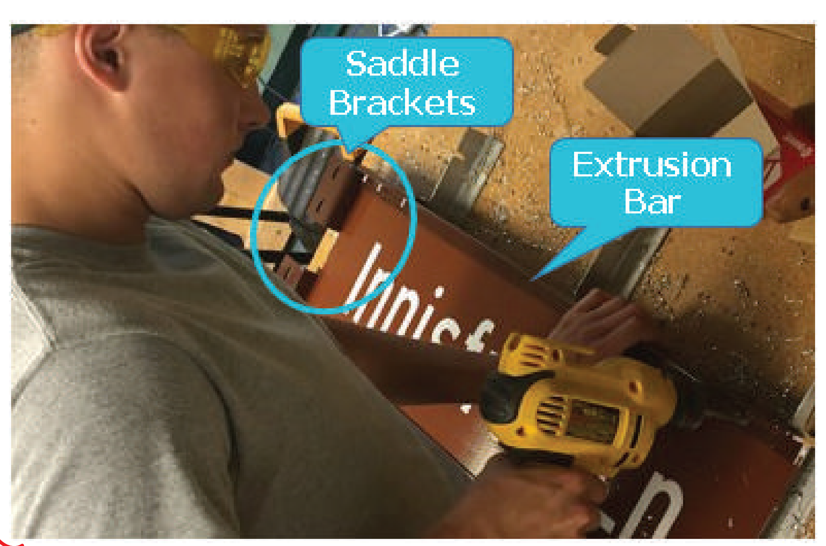
PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK AND SHALL BE INCLUDED IN THE UNIT PRICE BID PER EACH FOR ITEM 661, DECIDUOUS TREE, 2" CAL., SPECIES TO BE DETERMINED. TO BE USED AS DIRECTED BY THE CITY ENGINEER.

TRAFFIC CONTROL (ODOT SPECS)

ITEM 630, SIGN, DOUBLE FACED, STREET NAME, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ODOT C&MS 630, DOUBLE FACED STREET NAME SIGNS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH CITY OF DUBLIN STANDARD DRAWING RD-10.

STREET NAME SIGNS USE FLAT SHEET ALUMINUM, EXTRUSION BARS AND SADDLE BRACKETS, AS DETAILED IN STANDARD DRAWING RD-10, AND SHOWN IN THE EXAMPLE IMAGE. SADDLE BRACKETS ARE SHOWN AT THE FAR LEFT END OF THE SIGN, RIVETED TO THE EXTRUSION BARS ON THE TOP AND BOTTOM OF THE SIGN BLADE. THE SADDLE BRACKETS ARE USED TO ATTACH THE SIGN TO THE SQUARE POST WITH DRIVE RIVETS. THE SADDLE BRACKETS AND EXTRUSION BARS ARE POWDER COATED. THE WAYFINDING PROJECT STREET NAME SIGNS SPECIFY DIFFERENT COLORS, BLACK POWDER COATING AND BLACK LETTERING ON WHITE BACKGROUNDS, BUT USE THE SAME ASSEMBLY SYSTEM AS THE PHOTOGRAPH BELOW.



1

THE BRACKET UTILIZED TO ATTACH THE STREET NAME SIGNS SHALL BE A "XCESSORIES SQUARED" MODEL CSB200SQS-Z USED IN CONJUNCTION WITH ALUMINUM EXTRUSION #WXAT175 OR APPROVED EQUAL. ALL VISIBLE ELEMENTS OF THE SIGN MOUNTING SYSTEM SHALL BE PAINTED BLACK IN ACCORDANCE WITH FEDERAL STANDARD 595-C, COLOR #27038.

PAYMENT SHALL BE MADE AT THE UNIT PRICE BID PER EACH FOR ITEM 630, SIGN, DOUBLE FACED, STREET NAME, AS PER PLAN AND SHALL INCLUDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO PERFORM THE WORK NOTED ABOVE.

ITEM 630, GROUND MOUNTED SUPPORT, NO. 3 POST, TYPE S, AS PER PLAN

SIGN SUPPORTS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH DUBLIN STANDARD DRAWING RD-10. THE SIGN SUPPORTS SHALL BE 2-INCH SQUARE POST, 14 GA., WITH DIE CUT KNOCK OUT HOLES ON ONE INCH CENTERS. (ALLIED QUICK-PUNCH SUPPORTS OR APPROVED EQUAL).

ALL VISIBLE ELEMENTS OF SIGN MOUNTING SYSTEMS, E.G. SIGN BACKING ASSEMBLIES, SUPPORT POSTS, ETC., SHALL BE POWDER COATED TO MATCH FEDERAL STANDARDS 595-C COLOR #27038, BLACK. WHENEVER PAYMENT FOR THOSE ITEMS IS MADE UNDER THIS ITEM WORK. NUTS AND BOLTS NEED TO BE POWDER COATED. PRIOR TO POWDER COATING, A PAINT SAMPLE SHALL BE SUBMITTED FOR REVIEW.

THE FABRICATION AND INSTALLATION OF PROTOTYPE SIGN ASSEMBLIES LISTED IN THE GENERAL NOTES ON SHEET 5 SHALL BE INCIDENTAL TO ITEM 630, GROUND MOUNTED SUPPORT, NO. 3 POST, TYPE S, AS PER PLAN. NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR THIS WORK.

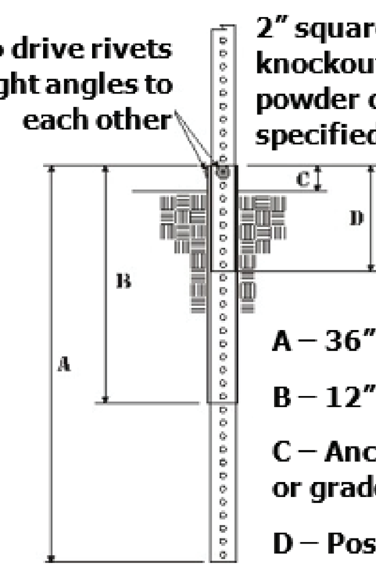
PAYMENT FOR THIS ITEM, INCLUDING EXTRA STOCK ABOVE, SHALL BE PAID FOR AT THE UNIT PRICE BID PER FOOT.

ITEM 630, SIGNING MISC.: 2 1/4" SQUARE ANCHOR POST

IN ADDITION TO ODOT C&MS ITEMS 630 AND 730, ANCHOR POST SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH DUBLIN STANDARD DRAWING RD-10. THE ANCHOR POST SHALL BE 2 1/4 INCHES, 12 GA., 36-INCHES LONG WITH A 2 1/2 INCH OVER SLEEVE 12 - INCHES LONG OVER TOP OF THE ANCHOR. ALL POST SYSTEMS MUST MEET NCHRP 350 CRASH TESTS.

SIGN ANCHOR ASSEMBLIES ARE COMPRISED OF SQUARE POSTS OF DIFFERING DIMENSIONS, AS DETAILED IN STANDARD DRAWING RD-10, AND SHOWN IN THE GRAPHIC BELOW. SIGN ANCHORS ARE DRIVEN DIRECTLY INTO THE SOIL, WITHOUT THE USE OF CONCRETE.

1



THE FABRICATION AND INSTALLATION OF PROTOTYPE SIGN ASSEMBLIES LISTED IN THE GENERAL NOTES ON SHEET 5 SHALL BE INCIDENTAL TO ITEM 630, SIGNING MISC.: 2 1/4" SQUARE ANCHOR POST. NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR THIS WORK.

PAYMENT FOR THIS ITEM, INCLUDING EXTRA STOCK ABOVE, SHALL BE PAID FOR AT THE UNIT PRICE BID PER EACH.

ITEM 630, SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, (BY TYPE), (BY SIZE)

CUSTOM WAYFINDING SIGNS, AS SHOWN IN THE PLANS, SHALL BE DESIGNED AND FABRICATED IN ACCORDANCE WITH ALL OF THE REQUIREMENTS OF ODOT C&MS 630 AND THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES UNLESS OTHERWISE NOTED. THE BACK OF THE SIGN SHALL BE PAINTED BLACK IN COLOR (FEDERAL STANDARD 595-C, COLOR #27038) WITH THE MATTHEWS PAINT SYSTEM OR APPROVED EQUAL.

SIGN TYPE B2
FURNISH AND INSTALL ALL SIGNS IN ACCORDANCE WITH THE PLANS.

SIGN TYPE D1
FURNISH AND INSTALL ALL SIGNS IN ACCORDANCE WITH THE PLANS, WITH THE EXCEPTION OF THE FOLLOWING:

SIGN NUMBERS D1.B.054, D1.B.060, D1.B.061 AND D1.B.062 SHALL BE FABRICATED AND STORED FOR FUTURE INSTALLATION BY THE CITY OF DUBLIN. SIGNS SHALL BE DELIVERED TO THE CITY OF DUBLIN SIGN SHOP AT THE ADDRESS BELOW.

TWO (2) SIGNS SHALL BE FABRICATED FOR THE FOLLOWING SIGN NUMBERS: D1.B.003, D1.B.005, D1.B.006, D1.B.037, D1.B.038, D1.B.041, D1.B.045, D1.B.047, D1.B.048, D1.B.053, D1.B.055, D1.B.056, D1.B.057, D1.B.059, D1.B.063, D1.B.064, D1.B.075, D1.B.076, D1.B.077, D1.B.078 AND D1.B.079. THE INITIAL INSTALLATION SHALL ONLY INCLUDE ALL DESTINATIONS INDICATED ON THE SIGN DETAILS ON SHEET(S) 19-44. THE SECOND SIGN SHALL BE FABRICATED TO INCLUDE ALL DESTINATIONS FOR FUTURE INSTALLATION AS INDICATED ON THE SIGN DETAILS SHOWN ON SHEET 80. THE SECOND SET OF SIGNS SHALL BE DELIVERED TO THE CITY OF DUBLIN SIGN SHOP AT 6351 SHIER RINGS ROAD, DUBLIN, OHIO 43016. CONTRACTOR SHALL CONTACT THE CITY AT 614-410-4731 TO ARRANGE A MUTUALLY AGREEABLE DELIVERY TIME.

SIGN TYPE D2
INSTALL ALL SIGNS IN ACCORDANCE WITH THE PLANS, WITH THE EXCEPTION OF THE FOLLOWING:

SIGN NUMBERS D2.A.034, D2.B.035, D2.B.036, D2.B.039 AND D2.B.040 SHALL BE FABRICATED AND STORED FOR FUTURE INSTALLATION BY THE CITY OF DUBLIN. SIGNS SHALL BE DELIVERED TO THE CITY OF DUBLIN SIGN SHOP AT THE ADDRESS BELOW.

TWO (2) SIGNS SHALL BE FABRICATED FOR THE FOLLOWING SIGN NUMBERS: D2.B.020, D2.B.037, D2.B.038 AND D2.B.058.THE INITIAL INSTALLATION SHALL ONLY INCLUDE ALL DESTINATIONS INDICATED ON THE SIGN DETAILS ON SHEET(S) 45-57. THE SECOND SIGN SHALL BE FABRICATED TO INCLUDE ALL DESTINATIONS FOR FUTURE INSTALLATION AS INDICATED ON THE SIGN DETAILS SHOWN ON SHEET 80. THE SECOND SET OF SIGNS SHALL BE DELIVERED TO THE CITY OF DUBLIN SIGN SHOP AT 6351 SHIER RINGS ROAD, DUBLIN, OHIO 43016. CONTRACTOR SHALL CONTACT THE CITY AT 614-410-4731 TO ARRANGE A MUTUALLY AGREEABLE DELIVERY TIME.

SIGN TYPE D3
FURNISH AND INSTALL ALL SIGNS IN ACCORDANCE WITH THE PLANS.

SIGN TYPE D4
FURNISH AND INSTALL ALL SIGNS IN ACCORDANCE WITH THE PLANS, WITH THE EXCEPTION OF THE FOLLOWING: SIGN NUMBER D4.B.001 SHALL BE FABRICATED AND STORED FOR FUTURE INSTALLATION BY THE CITY OF DUBLIN. SIGN SHALL BE DELIVERED TO THE CITY OF DUBLIN SIGN SHOP AT THE ADDRESS BELOW.

SIGN TYPE D5
ALL SIGNS SHALL BE FURNISHED ONLY AND INCLUDE THE ALUMINUM SIGN BLANK WITH A BLACK BACK, HEADER PANEL (DUBLIN) AND MESSAGE PANEL WITH APPLIED 3M DIAMOND GRADE WHITE VINYL SHEETING ONLY. DO NOT APPLY THE 3M DAY/NIGHT SMOKE GREY FILM.

SIGN TYPE D6
FURNISH AND INSTALL ALL SIGNS IN ACCORDANCE WITH THE PLANS.

TWO (2) SIGNS SHALL BE FABRICATED FOR THE FOLLOWING SIGN NUMBER: D6.B.044. THE INITIAL INSTALLATION SHALL ONLY INCLUDE ALL DESTINATIONS INDICATED ON THE SIGN DETAILS ON SHEET 31. THE SECOND SIGN SHALL BE FABRICATED TO INCLUDE ALL DESTINATIONS FOR FUTURE INSTALLATION AS INDICATED ON THE SIGN DETAILS SHOWN ON SHEET 80. THE SECOND SET OF SIGNS SHALL BE DELIVERED TO THE CITY OF DUBLIN SIGN SHOP AT 6351 SHIER RINGS ROAD, DUBLIN, OHIO 43016. CONTRACTOR SHALL CONTACT THE CITY AT 614-410-4731 TO ARRANGE A MUTUALLY AGREEABLE DELIVERY TIME.

THE FOLLOWING ESTIMATES HAVE BEEN QUANTIFIED FOR THE CONTRACTOR'S USE IN BIDDING. SEE THE SQUARE FOOTAGE CALCULATIONS TABLE BELOW:

ESTIMATED FLAT SHEET SQUARE FOOTAGE QUANTITY CALCULATIONS

FLAT SHEET, BY SIGN TYPE	QUANTITY (EACH)	INDIVIDUAL SQUARE FOOTAGE OF FLAT SHEET, PER SIGN TYPE	TOTAL SQUARE FOOTAGE OF FLAT SHEET, PER SIGN TYPE
B2	4	29.6	118.4
B2 (SPARE)	1	29.6	29.6
D1	69	24.1	1662.9
D1 (SPARE)	7	24.1	168.7
D2	29	21.7	629.1
D2 (SPARE)	3	21.7	65.1
D3	7	6.8	47.3
D3 (SPARE)	1	6.8	6.8
D4	4	13.8	55.2
D4 (SPARE)	1	13.8	13.8
D5	30	14.8	442.5
D5 (SPARE)	3	14.8	44.3
D6	3	24.1	72.4
D6 (SPARE)	1	24.1	24.1
Total Flat Sheet Square Footage =			3380.1

THE ABOVE QUANTITIES INCLUDE A 10% SPARE STOCK REQUIREMENT. SPARE SIGNS SHALL BE FABRICATED WITH AN ALUMINUM SIGN BLANK WITH A BLACK BACK, HEADER PANEL (DUBLIN) AND MESSAGE PANEL WITH APPLIED 3M DIAMOND GRADE WHITE VINYL SHEETING ONLY. DO NOT APPLY THE 3M DAY/NIGHT SMOKE GREY FILM.

ALL SPARE SIGNS, SIGNS DESIGNATED FOR FURNISH ONLY AND SIGN TYPE D5 SIGNS SHALL BE CAREFULLY WRAPPED FOR STORAGE AND DELIVERED TO THE CITY OF DUBLIN SIGN SHOP AT 6351 SHIER RINGS ROAD, DUBLIN, OHIO 43016. CONTRACTOR SHALL CONTACT THE CITY AT 614-410-4731 TO ARRANGE A MUTUALLY AGREEABLE DELIVERY TIME.

ONE (1) FULL ROLL OF EACH SPECIFIED VINYL COLOR SHALL BE PROVIDED AND DELIVERED TO THE CITY OF DUBLIN SIGN SHOP FOR FUTURE MAINTENANCE.

THE FABRICATION AND INSTALLATION OF PROTOTYPE SIGN ASSEMBLIES LISTED IN THE GENERAL NOTES ON SHEET 5 SHALL BE INCIDENTAL TO ITEM 630, SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, (BY TYPE), (BY SIZE). NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR THIS WORK.

PAYMENT SHALL BE MADE AT THE UNIT PRICE BID PER EACH FOR ITEM 630, SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, (BY TYPE), (BY SIZE) AND SHALL INCLUDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO PERFORM THE WORK NOTED ABOVE.

ITEM 630, SIGN SUPPORT ASSEMBLY, POLE MOUNTED, AS PER PLAN

CUSTOM SIGN SUPPORT MOUNTING FRAMES, AS SHOWN IN THE PLANS, SHALL BE DESIGNED AND FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND ALL THE PROVISIONS OF ODOT C&MS 630, UNLESS OTHERWISE NOTED. ALL MOUNTING FRAMES AND HARDWARE SHALL BE POWDER COAT PAINTED BLACK IN ACCORDANCE WITH FEDERAL STANDARD 595-C, COLOR #27038.

THE SIGN SUPPORT ASSEMBLIES FOR SIGN NUMBERS D1.B.054, D1.B.060, D1.B.061, D1.B.062, D2.A.034, D2.B.035, D2.B.036, D2.B.039, D2.B.040, AND D4.B.001 SHALL BE WRAPPED FOR STORAGE AND DELIVERED TO THE CITY OF DUBLIN SIGN SHOP AT THE ADDRESS LISTED BELOW.

THIS ITEM SHALL INCLUDE A 10% SPARE STOCK REQUIREMENT. SPARE SUPPORT ASSEMBLIES SHALL BE CAREFULLY WRAPPED FOR STORAGE AND DELIVERED TO THE CITY OF DUBLIN SIGN SHOP AT 6351 SHIER RINGS ROAD, DUBLIN, OHIO 43016. CONTRACTOR SHALL CONTACT THE CITY AT 614-410-4731 TO ARRANGE A MUTUALLY AGREEABLE DELIVERY TIME.

THE FOLLOWING ESTIMATES HAVE BEEN QUANTIFIED FOR THE CONTRACTOR'S USE IN BIDDING:

SIGN TYPE B2	4	RIGHT MOUNTED
SIGN TYPE D1	38	RIGHT MOUNTED
SIGN TYPE D1	10	LEFT MOUNTED
SIGN TYPE D2	17	RIGHT MOUNTED
SIGN TYPE D2	8	LEFT MOUNTED
SIGN TYPE D4	2	RIGHT MOUNTED
SIGN TYPE D4	2	LEFT MOUNTED
SIGN TYPE D6	2	CENTER MOUNTED

THE FABRICATION AND INSTALLATION OF PROTOTYPE SIGN ASSEMBLIES LISTED IN THE GENERAL NOTES ON SHEET 5 SHALL BE INCIDENTAL TO ITEM 630, SIGN SUPPORT ASSEMBLY, POLE MOUNTED, AS PER PLAN. NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR THIS WORK.

PAYMENT FOR ITEM 630, SIGN SUPPORT ASSEMBLY, POLE MOUNTED, AS PER PLAN SHALL BE PAID FOR AT THE UNIT PRICE BID PER EACH AND SHALL INCLUDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO PERFORM THE WORK NOTED ABOVE, INCLUDING THE ALUMINUM MOUNTING FRAME SUPPORT AND ATTACHMENT HARDWARE.

REVISIONS

NO.	DESCRIPTION	DATE
1	NOTATION REVISIONS	1/10/17
2	NOTATION REVISIONS	1/27/17

CALCULATED JAC
CHECKED KMG

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EUROPE CH toll free 0800 559 017
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GENERAL NOTES

COMPRENENSIVE WAYFINDING SYSTEM - PHASE 1A AND 1B

ITEM	DESCRIPTION	TOTAL	UNIT
	GENERAL		
614	MAINTAINING TRAFFIC, AS PER PLAN	1	LUMP
623	CONSTRUCTION LAYOUT STAKES, AS PER PLAN	1	LUMP
624	MOBILIZATION	1	LUMP
	ROADWAY		
201	CLEARING AND GRUBBING	1	LUMP
201	TREES OR STUMPS REMOVED	1	EACH
661	DECIDUOUS TREE, 2" CAL., SPECIES TO BE DETERMINED	3	EACH
SPECIAL	PROOF SURVEY	1	LUMP
	EROSION CONTROL		
653	TOPSOIL FURNISHED AND PLACED, AS PER PLAN	10	CY
659	SEEDING AND MULCHING, AS PER PLAN	70	SY
659	COMMERCIAL FERTILIZER	0.2	TON
659	WATER	0.4	MGAL
SPECIAL	TREE PROTECTION FENCE, AS PER PLAN	100	LF
	MAINTENANCE OF TRAFFIC		
614	LAW ENFORCEMENT OFFICER WITH PATROL CAR ALLOWANCE PER PLAN	65	HOUR

ITEM	DESCRIPTION	TOTAL	UNIT
	TRAFFIC CONTROL		
630*	GROUND MOUNTED SUPPORT, NO. 3 POST, TYPE S, AS PER PLAN	1304.8	FT
630*	SIGN SUPPORT ASSEMBLY, POLE MOUNTED, AS PER PLAN	83	EACH
630*	SIGN SUPPORT ASSEMBLY, POLE MOUNTED, AS PER PLAN (SPARE)	8	EACH
630*	SIGN, DOUBLE FACED, STREET NAME, AS PER PLAN	54	EACH
630*	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	67	EACH
630*	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION, AS PER PLAN	16	EACH
630*	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DELIVERY, AS PER PLAN	6	EACH
630*	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL, AS PER PLAN	53	EACH
630*	REMOVAL OF GROUND MOUNTED POST SUPPORT AND REERECTION, AS PER PLAN	3	EACH
630*	REMOVAL OF POLE MOUNTED SIGN AND REERECTION, AS PER PLAN	2	EACH
630*	SIGNING, MISC.: 2 1/4" SQUARE ANCHOR POST, AS PER PLAN	97	EACH
630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, B2 (4'-4 3/8" X 7'-0")	4	EACH
630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, B2 (4'-4 3/8" X 7'-0") (SPARE)	1	EACH
630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D1 (3'-11" X 6'-3 1/2")	69	EACH
630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D1 (3'-11" X 6'-3 1/2") (SPARE)	7	EACH
630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D2 (3'-8" X 5'-11")	29	EACH
630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D2 (3'-8" X 5'-11") (SPARE)	3	EACH
630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D3 (3'-0" X 2'-3")	7	EACH
630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D3 (3'-0" X 2'-3") (SPARE)	1	EACH
630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D4 (2'-4" X 5'-11")	4	EACH
630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D4 (2'-4" X 5'-11") (SPARE)	1	EACH
630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D5 (3'-0" X 4'-11")	30	EACH
630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D5 (3'-0" X 4'-11") (SPARE)	3	EACH
630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D6 (3'-10" X 6'-3 1/2")	3	EACH
630*	SIGNING, MISC.: FLAT SHEET, WAYFINDING SIGN, D6 (3'-10" X 6'-3 1/2") (SPARE)	1	EACH
632*	PEDESTAL FOUNDATION, AS PER PLAN	59	EACH
632*	PEDESTAL, MISC.: PEDESTAL, 13'-6"	29	EACH
632*	PEDESTAL, MISC.: PEDESTAL, 13'-6" (SPARE)	3	EACH
632*	PEDESTAL, MISC.: PEDESTAL, 15'-0"	48	EACH
632*	PEDESTAL, MISC.: PEDESTAL, 15'-0" (SPARE)	5	EACH

ITEM	DESCRIPTION	TOTAL	UNIT

* DENOTES OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS (2016 EDITION). ALL OTHER ITEMS REFERENCE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS.

REVISIONS		
NO.	DESCRIPTION	DATE
1	NOTATION REVISIONS	1/10/17
2	NOTATION REVISIONS	1/27/17

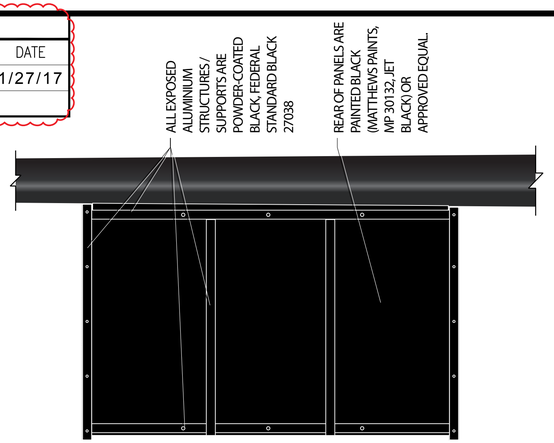
CALCULATED JAC
CHECKED KMG

kolar

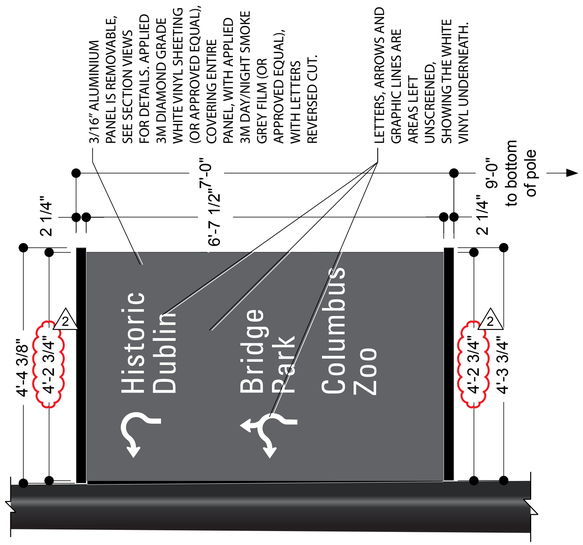
GENERAL SUMMARY

COMPREHENSIVE WAYFINDING SYSTEM - PHASE 1A AND 1B

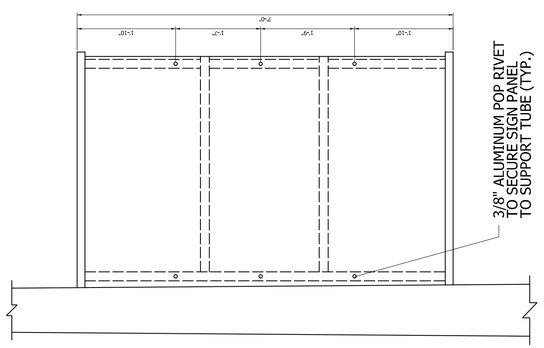
REVISIONS		
NO.	DESCRIPTION	DATE
2	NOTATION REVISIONS	1/27/17



3 Sign Type B2 - Rear Elevation



2 Sign Type B2 - Front Elevation



1 Structural / Framing Elevation

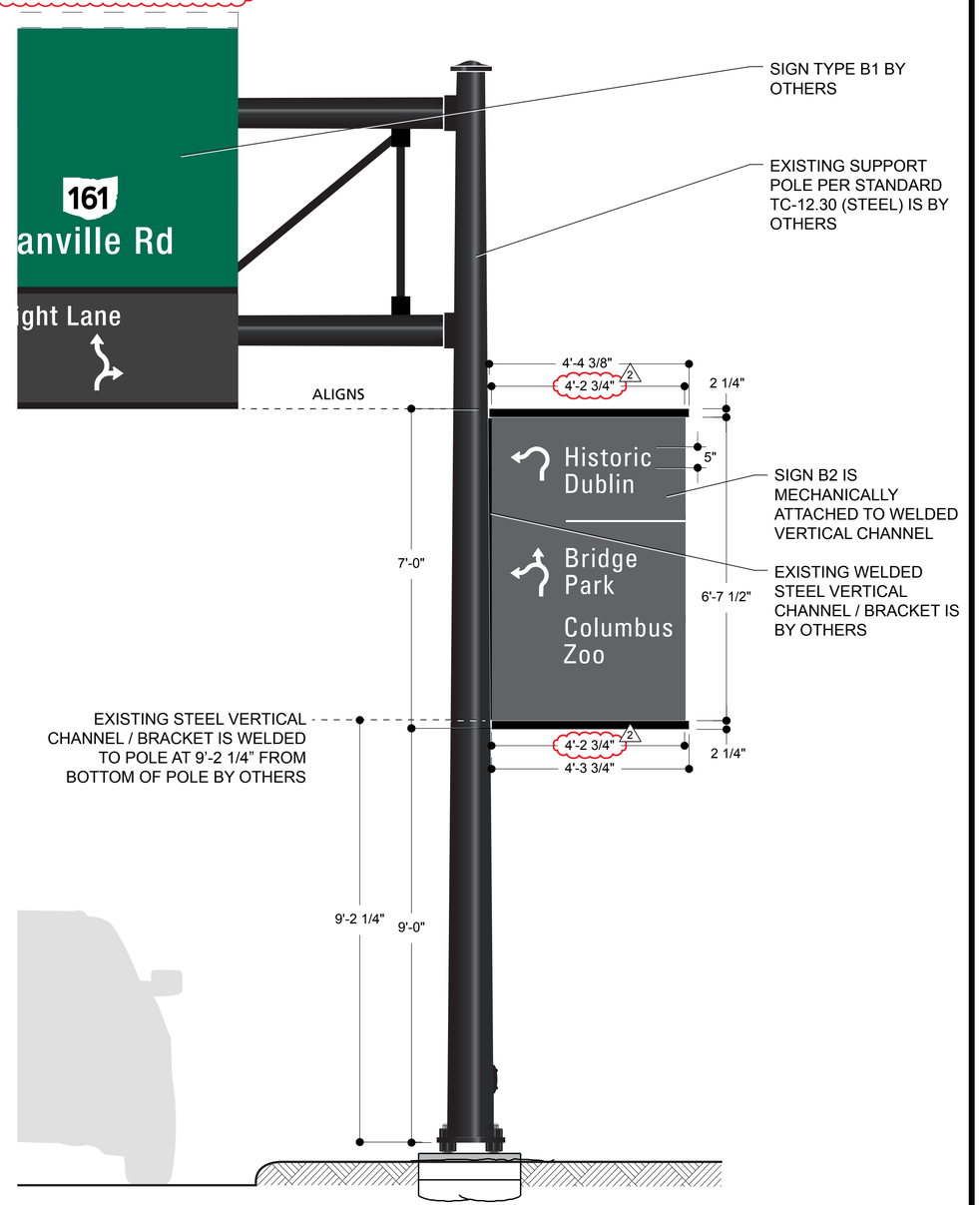
Date: 08/5/2016

City of Dublin
ENGINEERING

B2 TRUSS DIRECTIONAL SIGN

SHEET 2 OF 6

REVISIONS		
NO.	DESCRIPTION	DATE
2	NOTATION REVISIONS	1/27/17



Date: 08/5/2016

City of Dublin
ENGINEERING

B2 TRUSS DIRECTIONAL SIGN

SHEET 1 OF 6

CALCULATED TLC/JFK
CHECKED MZ/JAC

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SIGN TYPE B2 - TRUSS DIRECTIONAL SIGN

COMPREHENSIVE WAYFINDING SYSTEM - PHASE 1A AND 1B