

OHIO TURNPIKE AND  
INFRASTRUCTURE COMMISSION

ADDENDUM NO. 1

PROJECT NO. 43-17-03  
BRIDGE DECK REPAIR AND REHABILITATION  
ARLINGTON ROAD OVER OHIO TURNPIKE M.P. 122.3,  
JOPPA ROAD OVER OHIO TURNPIKE M.P. 128.5,  
DEAN ROAD OVER OHIO TURNPIKE M.P. 132.4,  
WEST RIVER ROAD OVER OHIO TURNPIKE M.P. 145.8,  
ERIE AND LORAIN COUNTIES, OHIO


OPENING DATE: 2:00 P.M. (EASTERN TIME), DECEMBER 20, 2016

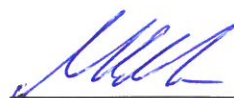
ALL BIDS MUST BE ELECTRONICALLY SUBMITTED THROUGH BID EXPRESS

ATTENTION OF BIDDERS IS DIRECTED TO:

QUESTIONS AND ANSWERS THROUGH 12:00 PM ON DECEMBER 15, 2016  
-AND-  
MODIFICATIONS TO PLAN SHEETS 2, 4 AND 17 of 76

Issued by the Ohio Turnpike and Infrastructure Commission on December 15, 2016. Issuance authorized by Anthony D. Yacobucci, Chief Engineer, and Mark R. Musson, Director of Contracts Administration.

  
Anthony D. Yacobucci                      12/15/16  
Date

                      12/15/16  
Mark R. Musson                      Date

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION  
ADDENDUM NO. 1  
PROJECT NO. 43-17-03

**QUESTIONS AND ANSWERS THROUGH 12:00PM ON DECEMBER 15, 2016**

**Q#1 Why is Dean Road being phased?**

*A#1 As indicated in the notes on Plan Sheets 12, 17 and 47 of 76, the construction is being phased on Dean Road to maintain full time access **solely** for emergency vehicles.*

**Q#2 Can OTIC please make available on Bid Express files of existing plan sheets for all existing structures that are to be repaired/rehabbed?**

*A#2 The requested as-built drawings and historical rehabilitation construction plans are accessible through BidExpress for the sole purpose of sharing available information. In accordance with IB Art. 2.1.4, the Commission does not warrant that the drawings show the actual or anticipated conditions, and any use or reliance that the Bidders place on such drawings are at the sole risk of the Bidder.*

**Q#3 Plan sheet 12 shows a detour for the closure of Dean Road. However, plan sheets 47 and 48 show phased construction of the Dean Road bridge using portable concrete barrier. Please verify if Dean Road can be shut down and the bridge be rebuilt full width or if the bridge must be built in phases.**

*A#3 As indicated in the notes on Plan Sheets 12, 17 and 47 of 76, the construction is being phased on Dean Road to maintain full time access **solely** for emergency vehicles.*

**Q#4 Per Ohio DOT section 711.23 regarding Samples for Destructive Testing by an independent Test laboratory facility are as follows; ODOT Section; 711.23 indicates that "The Bearing manufacture will produce one sample bearing for each bridge structure. Ensure that the sample bearing for each bridge structure is of the same design". We interpreted the words "same design" implies: for every different size Elastomeric bearing pad (Length x width x thickness) on that one particular structure as designed in the bearing table; we the producer must supply one each test pad per size to be tested and destroyed from the same batch or lot of Elastomer material. Please advise.**

*A#4 The offered interpretation is incorrect. The requirement as stated in 711.23 is to "produce one sample bearing for each bridge structure in the project plans.*

*(emphasis added).” The one sample bearing for each structure that is submitted for testing must be of the same design as a bearing furnished for installation on that structure.*

**Q#5 The work zone impact attenuators are stated to be unidirectional. It appears bi-directional impact attenuators may be needed instead. Please review and make any necessary changes to revise the bid item.**

*A#5 Correct, BIDIRECTIONAL impact attenuators are necessary. This Addendum No. 1 revises Plan Sheet 2, 4 and 17 of 76 to specify BIDIRECTIONAL impact attenuators. The Estimated Quantities Worksheet is also amended at Ref. No. 16 to reference BIDIRECTIONAL impact attenuators in the pay item.*

**Q#6 Is the 2010 ODOT specification HP4 with microsilica the bridge deck specification?**

*A#6 As indicated in SP102 and Plan Sheet 9 of 76, the 2016 edition of the ODOT Construction and Material Specifications shall be used on this project. The concrete is specified in the Contract Documents under SP511B.*

**Q#7 How large of loads can we haul with this design.**

*A#7 Access and Hauling are specified in SP104 and SP109. In addition to any more restrictive limitations on local and state roads that are used, contractors must comply the Turnpike’s weight limitations for its road under Section 5537-3(k) of the Ohio Administrative Code:*

- i. Maximum axle load - 21,000 lbs.,*
- ii. Maximum combined axle load of any two successive axles, spaced four feet or less apart - 24,000 lbs.,*
- iii. Maximum combined axle load of any two successive axles, spaced more than four feet apart but less than eight feet apart - 34,000 lbs.,*
- iv. Maximum gross weight - 90,000 lbs.,*

**Q#8 Where do we access the Turnpike for the different bridges?**

*A#8 In addition to any local roads in compliance with any local/state legal requirements, Contractors may access the bridges using public Turnpike Exits (i.e., Exit 118 (US 250), Exit 135 (Baumhart Rd), Exit 145 (SR 57)).*

**Q#9 The OEI web page on the OTIC website has listing for certified contractors that is dated October 13, 2013. Any possibility of getting this updated so we can verify all possibilities?**

*A#9 The available certified firms identified for this Project at the time of advertising are furnished with this Addendum.*

Addendum No. 1 to Contract 43-17-03:

\_\_\_\_\_  
(Firm Name)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name)

Date: \_\_\_\_\_

Company Name	Email Address	Address	City	ST	ZipCode	County	Phone Number	FAX Number	NAICS Code	NAICS Code Description
<b>AKA Construction Management Team, Inc.</b>	ariane@akateam.com	4640 Hinckley Industrial Parkway	Cleveland	OH	44109	Cuyahoga	(216)312-9900	216-812-3617	237310	Construction management, highway, road, street and bridge
							216-751-2000	216-812-3617	237310	Construction management, highway, road, street and bridge
<b>All Aspects Contracting, Inc.</b>	allaspectsccontracting@hotmail.com	905 Bennett Drive	Elyria	OH	44035	Cuyahoga	440-315-0904	(440)365-0920	237310	Aggregate Bases; Bridge Structure Repairs; Miscellaneous Concrete
<b>American Roadway Logistics, Inc.</b>	hclaxton@arlinc.us	3920 Congress Parkway	Richfield	OH	44286	Summit	330-659-2013	(330)659-0200	237310	Bridge Construction Level 1; Bridge Construction Level 2; Bridge Structure Repairs; Highway Signing; Traffic Stripes
<b>B.G. Trucking &amp; Construction, Inc.</b>	BERLEW128@AOL.COM	11330 Market Street	North Lima	OH	44452	Mahoning	(330)620-8734	(234)759-3442	237310	Aggregate Bases; Application of Bituminous Treatments; Bridge Construction Level 1; Bridge Construction Level 2; Bridge Structure Repairs; Expansion & Contraction Joints,
							234-759-3440	(234)759-3442	237310	Aggregate Bases; Application of Bituminous Treatments; Bridge Construction Level 1; Bridge Construction Level 2; Bridge Structure Repairs; Expansion & Contraction Joints,
<b>Ballast Construction, Inc. dba Ballast Fence</b>	anerone@ballastfence.com	19501 S. Miles Road - Suite #2	Warrensville Heights	OH	44128	Cuyahoga	216-662-2436	<< NONE >>	237310	Guardrail Construction; Highway Signing
<b>Barbicas Construction Company</b>	carla.barbicas@barbicas.com	124 Darrow Road	Akron	OH	44305	Summit	3303522746	(330)733-9051	237310	Aggregate Bases; Application of Bituminous Treatments; Flexible Paving; Flexible Replacement; Highway Signing; Miscellaneous Concrete; Pavement Planing, Milling
							330-733-9101	(330)733-9051	237310	Aggregate Bases; Application of Bituminous Treatments; Flexible Paving; Flexible Replacement; Highway Signing;
<b>Black Horse Bridge Construction Inc.</b>	blackhorsebridge@aol.com	5185 Wooster Rd. West	Norton	OH	44203	Summit	234-678-8731	(234)678-9747	237310	Aggregate Bases; Bridge Construction Level 1; Bridge Construction Level 2; Bridge Construction Level 3; Bridge Structure Repairs; Expansion & Contraction Joints, Joint
							3303515011	(234)678-9747	237310	Aggregate Bases; Bridge Construction Level 1; Bridge Construction Level 2; Bridge Construction Level 3; Bridge
<b>Caver Brothers Inc.</b>	marcelcbi@yahoo.com	3770 East 93rd Street	Cleveland	OH	44105	Cuyahoga	216-751-0260	216-751-0346	237310	Highway, Street, and Bridge Construction
<b>Construction Support Solutions</b>	anna.klee@constructionsupportsolutions.com	334 Bounty Way	Avon Lake	OH	44012	Lorain	440-541-6642	440-653-9482	237310	Construction management, highway, road, street and bridge
<b>Cosmos Industrial Services, Inc.</b>	pdourountakis@cosmosindustrial.com	9103 Detroit Avenue	Cleveland	OH	44102	Cuyahoga	216-861-8361	216-861-4032	237310	Highway, Street, and Bridge Construction
<b>Cuyahoga Bridge &amp; Road, Inc.</b>	jschemp@cbrr2003.com	370 Ryan Rd	Seville	OH	44273	Medina	330-769-2999	330-769-3235	237310	Aggregate Bases; Bridge Construction Level 1; Bridge Construction Level 2; Bridge Construction Level 3; Bridge Structure Repairs; Expansion & Contraction Joints, Joint
<b>Dave's Asphalt LLC</b>	davesasphalt@att.net	2502 8th Street Ne	Canton	OH	44704	Stark	(330)313-6238	<< NONE >>	237310	Asphalt paving (i.e., highway, road, street, public sidewalk)
<b>Dawn Incorporated</b>	info@dawnincorporated.com	106 East Market Street, Suite 505	Warren	OH	44481	Trumbull	(330)240-7711	330-652-7714	237310	Miscellaneous Concrete

							(330)652-7711	330-652-7714	237310	Miscellaneous Concrete
<b>Ebony Construction Co., Inc.</b>	ahall@ebonyco.com	3510 Centennial Road	Sylvania	OH	43560	Lucas	419-841-3455	419-841-7845	237310	Aggregate Bases; Application of Bituminous Treatments; Flexible Paving; Flexible Replacement; Miscellaneous
<b>Eclipse Co., LLC</b>	jen@eclipsecolic.com	11554 East Washington Street	Chagrin Falls	OH	44023	Cuyahoga	216-332-9821	440-543-3495	237310	Aggregate Bases; Guardrail Construction; Miscellaneous Concrete; Pavement Markings; Rigid Pavement
							440-543-3493	440-543-3495	237310	Aggregate Bases; Guardrail Construction; Miscellaneous Concrete; Pavement Markings; Rigid Pavement
<b>Foundation Steel, LLC</b>	charlotte@foundationsteel.net	P.O. Box 210	Swanton	OH	43558	Lucas	419-402-4241	419-402-4248	237310	Expansion & Contraction Joints, Joint Sealers, Bearing Devices; Stay in Place Bridge Decking
<b>G. Stephens, Inc.</b>	gstephens@gstephensinc.com	133 N. Summit Street	Akron	OH	44304	Summit	330-762-1386	330-762-0044	237310	Construction management, highway, road, street and bridge
<b>Garza Construction, Inc</b>	garzaconstructioninc@yahoo.com	3068 East State Street	Fremont	OH	43420	Sandusky	419-355-0830	419-355-9096	237310	Highway, Street, and Bridge Construction
							419-986-5800	419-355-9096	237310	Highway, Street, and Bridge Construction
<b>Guinto Schirack Engineering</b>	jguinto@gseengineer.com	1085 Rockside Road	Parma	OH	44134	Cuyahoga	(216)2870993	216-803-3444	237310	Aggregate Bases; Bridge Construction Level 1; Bridge Construction Level 2; Bridge Structure Repairs; Expansion & Contraction Joints, Joint Sealers, Bearing Devices;
							(216)741-7453	216-803-3444	237310	Aggregate Bases; Bridge Construction Level 1; Bridge Construction Level 2; Bridge Structure Repairs; Expansion &
<b>Hughes Contracting, Inc.</b>	HCIChipSeal@aol.com	595 Waterloo Road, Suite H	Suffield	OH	44260	Portage	(330)697-0424	330-628-5916	237310	Application of Bituminous Treatments
							330-628-7400	330-628-5916	237310	Application of Bituminous Treatments
<b>J.D. Williamson Construction Co., Inc.</b>	maryf@jdwilliamsonconstruction.com	441 Geneva Avenue	Tallmadge	OH	44278	Summit	(419)602-1165	330-633-1398	237310	Aggregate Bases; Bridge Construction Level 1; Bridge Construction Level 2; Bridge Construction Level 3; Bridge Structure Repairs; Expansion & Contraction Joints, Joint Sealers, Bearing Devices; Miscellaneous Concrete; Rigid
							330-633-1258	330-633-1398	237310	Aggregate Bases; Bridge Construction Level 1; Bridge Construction Level 2; Bridge Construction Level 3; Bridge Structure Repairs; Expansion & Contraction Joints, Joint
<b>KNM ENTERPRISES CORPORATION INC</b>	knmenterprise@gmail.com	1970 Scranton Ave	Cleveland	OH	44113	Cuyahoga	(417)559-7919	(216)363-1889	237310	Bridge Structure Repairs
							216-583-0383	(216)363-1889	237310	Bridge Structure Repairs
<b>LMS Construction, Inc.</b>	KathyHCPA@aol.com	58970 Kirkland Hill	Bellaire	OH	44390	Belmont	740-676-7786	740-676-7786	237310	Highway, Street, and Bridge Construction
<b>Lloyd Johnson Enterprises, Inc - Broker</b>	ljohnson@lloydjohnsonenterprises.com	23081 Schumer Avenue	Warrensville Heights	OH	44128	Cuyahoga	(216)538-7357	8772616385	237310	Construction management, highway, road, street and bridge
							(440)549-8070	8772616385	237310	Construction management, highway, road, street and bridge

<b>MASSILLON CONSTRUCTION AND SUPPLY LLC</b>	tcarr@usmcs.com	1322 Erie St South	Massillon	OH	44646	Stark	330-737-2160	(330)737-2170	237310	Highway, Street, and Bridge Construction
<b>North Regional Builders Inc</b>	lenruf2@aol.com northregionalbuildersinc@gmail.com	2915 Collingwood Boulevard	Toledo	OH	43610	Lucas	419-250-7592	<< NONE >>	237310	Highway, Street, and Bridge Construction
<b>Northstar Contracting, Inc.</b>	stephen@ohionorthstar.com	11730 Harvard Avenue	Cleveland	OH	44105	Cuyahoga	216-999-7595	216-999-7598	237310	Highway, Street, and Bridge Construction
							440-250-8606	216-999-7598	237310	Highway, Street, and Bridge Construction
<b>Ohio Diversified Services, Inc.</b>	ppantona@cs.com	20226 Detroit Road	Rocky River	OH	44116	Cuyahoga	(440)3437297	<< NONE >>	237310	Highway, Street, and Bridge Construction
							440-356-7000	<< NONE >>	237310	Highway, Street, and Bridge Construction
<b>Pro Construction, Inc.</b>	proconstructo4186@sbcglobal.net	15005 Upton Avenue	Cleveland	OH	44110	Cuyahoga	216-383-1520	216-383-1521	237310	Concrete paving (i.e., highway, road, street, public sidewalk); Street construction
<b>R L Williams Concrete, LLC</b>	chas617@gmail.com	617 Islington Street	Toledo	OH	43610	Lucas	419-467-1702	<< NONE >>	237310	Highway, Street, and Bridge Construction
<b>R.J. Runge Company, Inc.</b>	arunge@rjrunge.com	3539 Ne Catawba Road	Port Clinton	OH	43452	Ottawa	419-740-5781	419-797-9379	237310	Aggregate Bases; Flexible Replacement; Highway Signing; Miscellaneous Concrete; Rigid Pavement Replacement
<b>RBS General Contracting LLC</b>	melisa@rosemancontracting.com	12806 Lincoln Way W	Massillon	OH	44647	Stark	330-830-4655	330-830-9227	237310	Highway, Street, and Bridge Construction
<b>RMI Cement LLC</b>	kmarzillirmi@aol.com	2213 Gage Ave. Ne	Canton	OH	44705	Stark	(330)8069908	330-452-9001	237310	Aggregate Bases; Bridge Structure Repairs; Expansion & Contraction Joints, Joint Sealers, Bearing Devices;
							330-452-1643	330-452-9001	237310	Aggregate Bases; Bridge Structure Repairs; Expansion & Contraction Joints, Joint Sealers, Bearing Devices;
<b>Rietschlin Construction, Inc.</b>	meg@rietschlinconstructionoh.com	4240 Baker Road	Crestline	OH	44827	Crawford	419-347-4341	419-347-1062	237310	Aggregate Bases; Bridge Construction Level 1; Bridge Construction Level 2; Bridge Structure Repairs; Expansion & Contraction Joints, Joint Sealers, Bearing Devices; Flexible Paving; Flexible Replacement; Miscellaneous Concrete; Rigid
<b>TAB Construction Company, Inc.</b>	wer@tab-construction.com	530 Walnut Avenue, Ne	Canton	OH	44702	Stark	330-477-3737	330-617-1025	237310	Highway, Street, and Bridge Construction
							330-617-1027	330-617-1025	237310	Highway, Street, and Bridge Construction
<b>UNION INDUSTRIAL CONTRACTORS INC</b>	kimkidner@uicconstruction.com	P. O. Box 1718	Ashtabula	OH	440051718	Ashtabula	440-998-7871	<< NONE >>	237310	Aggregate Bases; Application of Bituminous Treatments; Bridge Construction Level 1; Bridge Construction Level 2; Bridge Construction Level 3; Bridge Structure Repairs; Expansion & Contraction Joints, Joint Sealers, Bearing
<b>Vito Gironda Construction Company</b>	pgironda@vgoconstruction.com	1130 Britain Road	Akron	OH	44305	Summit	330-630-9399	<< NONE >>	237310	Aggregate Bases; Expansion & Contraction Joints, Joint Sealers, Bearing Devices; Miscellaneous Concrete; Rigid Pavement Replacement; Rigid Paving
<b>Vixcon Co., LLC</b>	vixcon@live.com	1620 Chelonsford Road	Mayfield Heights	OH	44124	Cuyahoga	440-461-7202	440-461-7202	237310	Highway, Street, and Bridge Construction

<b>American Roadway Logistics, Inc.</b>	hclaxton@arlinc.us	3920 Congress Parkway	Richfield	OH	44286	Summit	330-659-2013	(330)659-0200	561990	All Other Support Services
<b>B.G. Trucking &amp; Construction, Inc.</b>	BERLEW128@AOL.COM	11330 Market Street	North Lima	OH	44452	Mahoning	(330)620-8734	(234)759-3442	561990	Flagging (i.e., traffic control) services
							234-759-3440	(234)759-3442	561990	Flagging (i.e., traffic control) services
<b>Barbicas Construction Company</b>	carla.barbicas@barbicas.com	124 Darrow Road	Akron	OH	44305	Summit	3303522746	(330)733-9051	561990	Flagging (i.e., traffic control) services
							330-733-9101	(330)733-9051	561990	Flagging (i.e., traffic control) services
<b>Bebley Enterprises Inc.</b>	tbebley@bebleyenterprise.com	University Of Toledo Engineering Technol	Toledo	OH	43607	Lucas	419-389-9424	419-389-9417	561990	All Other Support Services
<b>CPD Security &amp; Investigations LTD</b>	lschill@cpdsecurity.com	1149 Homeland Drive	Rocky River	OH	44116	Cuyahoga	440-759-3330	440-333-9503	561990	All Other Support Services
<b>Carnegie Textile Company</b>	carren@carnegietextile.com	31100 Solon Road	Solon	OH	44139	Cuyahoga	440-542-1180	<< NONE >>	561990	All Other Support Services
<b>Clean Sweep Construction Services LLC</b>	rmash36@yahoo.com	5449 Millbrook Road	Bedford Heights	OH	44146	Cuyahoga	216-355-9362	440-232-5584	561990	All Other Support Services
<b>Denise's Flagging and Construction Services, Inc.</b>	denise-smith2158@sbcglobal.net	4541 St. Germain Blvd.	Warrensville	OH	44128	Cuyahoga	216-403-2429	(216)510-6727	561990	All Other Support Services
<b>Loukas Engineering, Limited</b>	loukas@loukasengineering.com	232 19th Street Nw	Canton	OH	44709	Stark	(330)356-8527	<< NONE >>	561990	All Other Support Services
							3303225646	<< NONE >>	561990	All Other Support Services
<b>Ohio Diversified Services, Inc.</b>	ppantona@cs.com	20226 Detroit Road	Rocky River	OH	44116	Cuyahoga	(440)3437297	<< NONE >>	561990	All Other Support Services
							440-356-7000	<< NONE >>	561990	All Other Support Services
<b>Quade Training &amp; Development</b>	sandyquade@gmail.com	11538 Timber Edge Place	Strongsville	OH	44136	Cuyahoga	440-668-2425	440-238-7109	561990	All Other Support Services
<b>R-CAP Security, LLC</b>	rcap217@aol.com	P.O. Box 10167	Cleveland	OH	44110	Cuyahoga	216-761-6355	216-761-6333	561990	All Other Support Services
<b>Top Designer and Landscaping</b>	topdesignerlandscaping@gmail.com	1781 Idlehurst Drive	Euclid	OH	44117	Cuyahoga	(216)526-3543	<< NONE >>	561990	Flagging (i.e., traffic control) services
							(216)990-4029	<< NONE >>	561990	Flagging (i.e., traffic control) services
<b>Traffic Detectors &amp; Signs, Inc.</b>	LMMERIS@AOL.COM	7521 Forest Hill	Youngstown	OH	44514	Mahoning	(330)718-8012	330-707-9066	561990	Flagging (i.e., traffic control) services
							330-707-9060	330-707-9066	561990	Flagging (i.e., traffic control) services



Company Name	NAICS Code	Company Email Address	Company Address	Company City	ST	ZipCode	Phone Number	FAX	NAICS Description
AMJ Construction, Inc.		amjconstruction1@sbcglobal.net	4135 East 142nd Street	Cleveland	OH	44128	216-283-6400	216-283-9500	
	484110								General Freight Trucking, Local
All Aspects Contracting, Inc.		allaspectscontracting@hotmail.com	2800 Euclid Avenue	Cleveland	OH	44115	440-315-0904	(440)365-0920	
	484110								General Freight Trucking, Local
Big Truck Rehab Center, Inc.		bigtruckrehab@att.net	7420 Exchange Street	Valley View	OH	44125	216-244-1295	216-520-8484	
	484110								General Freight Trucking, Local
Clarkes Family Trucking, Inc.		cft10@att.net	21000 Treat Road	Walton Hills	OH	44146	(216)246-9442 ; (440)786-2120	440-786-2125	
	484110								General Freight Trucking, Local
Debo Enterprises, Inc.		deboenterprise@gmail.com	12600 Rockside Road Suite #154	Garfield Hights	OH	44125	(216)242-9623	No FAX	
	484110								General Freight Trucking, Local
E & H Taylor Construction, Inc.		shirleypowellbrown@aol.com howardbobby@yahoo.com	1001 Nebraska Avenue	Toledo	OH	43607	(419)349-6863 ; (419)349-6863	(419)865-6914	
	484110								General Freight Trucking, Local
E & J Trucking		evelyndoring.ed@gmail.com	3642 Five Oaks Drive	Richfield	OH	44286	216-276-0076 ; 330-351-0667	330-659-6781	
	484110								General Freight Trucking, Local
Easton Trucking		ellyeaston@fairpoint.net	1349 St. Rt. 322	Orwell	OH	44076	(440)240-3373 ; 440-422-3459	440-422-3028	
	484110								General Freight Trucking, Local
Ebony Construction Co., Inc.		ahall@ebonyco.com	3510 Centennial Road	Sylvania	OH	43560	419-841-3455	419-841-7845	
	484110								General Freight Trucking, Local
Friedel Trucking Company, Inc.		mff5714@yahoo.com	5714 Archmere Avenue	Cleveland	OH	44144	440-237-5377 ; 440-237-5377	440-237-5377	
	484110								General Freight Trucking, Local
KLN Logistics Corp. dba AIT Worldwide Logistics		kgiering@aitworldwide.com	6749 Eastland Road, Suite C	Middleburg Heights	OH	44130	440-816-1505	440-816-1509	



	484110								General Freight Trucking, Local
<b>Katanas Corp</b>		demolish@windstream.net	3300 East 87th St.	Cleveland	OH	44127	216-883-0017 ; 216-883-0017	216-883-0024	
	484110								General Freight Trucking, Local
<b>L.I.S. Transport LLC</b>		lis.transport@outlook.com	2941 13th St. Nw	Canton	OH	44708	330-904-8209	330-546-7384	
	484110								General Freight Trucking, Local
<b>Ning Enterprises LLC</b>		jning5481@gmail.com	793 Tollis Parkway	Broadview Heights	OH	44147	216-262-8501	No FAX	
	484110								General Freight Trucking, Local
<b>P.G.T. Construction, Inc.</b>		prettygirltrucking@att.net	15151 York Road	North Royalton	OH	44133	440-237-1155 ; 440-237-1155	440-877-9312	
	484110								General Freight Trucking, Local
<b>Quinox LLC</b>		cq200175@yahoo.com	2902 Grantwood Drive	Parma	OH	44134	216-255-7672 ; 216-255-7672	440-481-3541	
	484110								General Freight Trucking, Local
<b>RL Cole Enterprise, Inc.</b>		rlcoleenterpriseinc@gmail.com	2504 E. 124th Street	Cleveland	OH	44120	(216)3160281 ; (216)707-9550	216-707-9527	
	484110								Trucking, general freight, local
<b>Riley's Transportation of Ohio Inc</b>		rileystransportationinc@yahoo.com	P.O.Box 21544	S. Euclid	OH	44121	216-244-6647	2165631413	
	484110								General Freight Trucking, Local
<b>S. Lockjaw Trucking</b>		staceylockridge@yahoo.com	5707 Orchard Ave	Parma	OH	44129	216-440-0408 ; 216-440-0408	No FAX	
	484110								General Freight Trucking, Local
<b>Simplified Alternatives Inc.</b>		SIMPLIFIED9@EARTHLINK.NET	250 Richmond Rd	Richmond Heights	OH	44143	216-731-1499 ; 216-731-1499	216-732-5916	
	484110								General Freight Trucking, Local
<b>Skios Trucking, Inc.</b>		nskios@neo.rr.com	1163 Grovewood Drive	Tallmadge	OH	44278	330-733-4211 ; 330-733-4211	330-733-1442	
	484110								General Freight Trucking, Local
<b>TMG Services, Inc.</b>		lfrazier@tmgservicesusa.com	8100 Grand Avenue	Cleveland	OH	44104	216-431-6166	216-431-6186	
	484110								General Freight Trucking, Local
<b>The MAHARRIS Group</b>		mharris@themaharrisgroup.com	6100 Oak Tree Blvd.	Independence	OH	44131	216-986-2700	216-986-2707	
	484110								General Freight Trucking, Local

<b>The Vallejo Company, Inc.</b>		kay@vallejoco.com	4429 State Road, Suite 24	Cleveland	OH	44109	216-741-3933	216-741-3997	
	484110								General Freight Trucking, Local
<b>Urban Recycling216, LLC</b>		urbanrecycling216@gmail.com	2662 E. 69th Street #2	Cleveland	OH	44105	(216)235-4050	No FAX	
	484110								General freight trucking, local
<b>Valley City Builders Supply, Inc.</b>		sue@valleycitysupply.com	6745 School Street	Valley City	OH	44280	330-483-3400 ; 330-483-3400	330-483-4522	
	484110								General Freight Trucking, Local
<b>Wyse Enterprise Inc.</b>		wyseenterpriseinc@yahoo.com	1633 Woodland Ave.	Toledo	OH	43607	(419)385-0756 ; 419-870-7679	(419)724-0003	
	484110								General Freight Trucking, Local

COMPANY	COMPANY OWNER	ADDRESS 1	CITY	STATE/ ZIP/POS	BUSINESS PHONE	FAX NUMBER	E-MAIL ADDRESS	WORK DISCRPTION
Petty Group, LLC	Nicholas Petty	550 Harvard Avenue, Rear,	Cuyahoga Heights	OH 44105	216-206-2600	216-206-2325	npetty@pettygroupllc.com	General Contractor specializing in earthwork, landscaping, trucking, concrete, fencing and saw cutting, supplier of aggregates and construction material
K. Davis, Inc.	Kevin Davis	605 W. Brentwood Dr.-P.O Box 162	Gibsonburg	OH 43431	419-307-0305		kevindavisinc@yahoo.com	Construction and Supply
Rietschlin Construction, Inc.	Meg Rietschlin	4240 Baker Road	Crestline	OH 44827	419-347-4341	419-347-1062	meg@rietschlinconstructionoh.com	<b>Bridges, Streets, Concrete, Site work, Underground utility</b>
ArrowMark, LLC	Clifton Cox, Jr.	3596 Harris Avenue	Canton	OH 44708	234-437-0366	330-437-0366	www.arrowmarkllc.com	Subsurface infrastructure location
Cuyahoga Fence LLC	Ms. Rita Samorezov	3100 East 45th St, #516	Cleveland	OH 44127	216-830-2200	216-830-2255	ritas@cuyahogafence.com	Construction, fence and guardrail
MCTECH CORP	Mr. Mark F. Perkins	8100 Grand Avenue	Cleveland	OH 44104	216-391-7700	216-391-6951	mctech360@mctech360.com	General contracting, construction management All Other Specialty Trade Contractors, Truck-mixed concrete manufacturing, Brick, Stone, and Related Construction Material Merchant Wholesalers, Specialized Freight (except Used Goods) Trucking, Local , Remediation S
RAR Contracting Company	James Vincent	5350 Transportation Blvd., Suite 16	Garfield Heights,	OH 44125			keith.rogers@rarcontractingco.com	Remediation S
Cuyahoga Bridge & Road, Inc.	Joyce Schemp	370 Ryan Road	Seville	OH 44273			jschemp@cbr2003.com	Heavy Highway Construction
Barbicas Construction Co., Inc.	Carla M. Barbicas	124 Darrow Road, Suite 1	Akron	OH 44305	330-733-9104	330-733-9051	carla.barbicas@barbicas.com	Asphalt Paving
Cook Paving & Construction Co., Inc.	Ms. Linda A. Fletcher	11360 Brookpark Rd., Suite 212	Brooklyn	OH 44130-1111	216-267-7705	216-267-7595	linda.fletcher@cookpaving.com	General contracting, asphalt/concrete paving, complete site development, underground utilities, concrete repair, construction material supplier and directional drilling
KBJ Construction	Kyle Jones	7817 First Place	Oakwood Village	OH 44146	4402323334	440-232-3337	Kyle@KBJCONSTRUCT.COM	General Contracting and Construction
Ebony Construction Company Inc.	Ms. Amy Hall	3510 Centennial Road	Sylvania	OH 43560	419-841-3455	419-841-7845	amyl@ebonyco.com	Heavy highway construction, asphalt paving, milling and material supply
J.D. Williamson Construction Co., Inc	Ms. Mary Fantozzi	441 Geneva Ave	Tallmadge	OH 44278	330-633-1258	330-633-1398	maryf@jdwilliamsonconstruction.com	Highway, street and bridge construction
All Aspects Contracting Inc.	Ms. Kimberly A. Kalopos	2800 Euclid Avenue Suite 523	Cleveland	OH 44115	440-315-0904	440-365-0920	allaspectscontracting@hotmail.com	Demolition, Remediation Services, General Freight Trucking, Local; Poured concrete Foundation Structure Contractors, Other Building Finishing contractors, Site Preparation Contractors
B.G. Trucking & Construction Inc.	Mr. Bernard Lewis	11330 Market Street	North Lima	OH 44452	234-759-3440	234-759-3442	berlew128@aol.com	Heavy highway construction
Cordova Enterprises, LLC dba CorStone, Ltd	Ms. Corina Cordova	3100 East 45th St., Suite 322	Cleveland	OH 44114	216-441-9860	216-441-9865	lcapretta@corstonltd.com	General contractor specializing in crushed and broken limestone mining and quarrying, ready-mix concrete manufacturing and distributing, general trucking, site preparation contractors and demolition
Armstrong Steel Erectors	Ms. Diane M. Bednar	50 South Fourth Street, PO Box 577	Newark	OH 43058-0	740-345-4503	740-345-4505	armsteel@aol.com	<b>Bridge contractor, complete bridge construction, and steel/precast bridge members, installation of reinforcing steel and related bridge activities</b>

Mid-Ohio Structures LLC	Ms. Lisa A. Dauch	2214 Ridge Road	Norwalk	OH	44857	419-663-0061	567-424-6460	ldauch@neo.rr.com	<b>Heavy highway bridge construction/repair pedestrian bridge construction</b>
Performance Hydroblasting Inc.	Ms. Joyce Crocker	11957 Whitman Rd	Doylestown	OH	44230	330-658-6438	330-658-1371	joyce@ohblaster.com	Highway construction
Cosmos Industrial Services Inc.	Ms. Penelope Dourountakis	9103 Detroit Ave.	Cleveland	OH	44102	216-861-8361	216-861-4032	pdourountakis@cosmosindustrial.com	Construction
Eaton Construction Company Inc.	Ms. Deborah Manson	PO Box 684 653 Island Rd	Circleville	OH	43113	740-474-3414	740-474-9616	debbie.eaton@frontier.com	Joint sawing and sealing/RPMs
R.J. Runge Company Inc.	Ms. Amy Runge	3539 NE Catawba Rd	Port Clinton	OH	43452	419-740-5781	419-797-9379	arunge@rjrunge.com	Construction
ETA Development Inc.	Ms. Tanja McCoy	1187 Bellows St.	Akron	OH	44301	330-785-9006	330-785-1001	tanja@etadev.com	Construction services
Roma Designs LLC	Mr. Perry Williams	6414 St. Clair Ave.	Cleveland	OH	44103	216-751-7888	216-431-0301	pwilliams@romadesignsconstruction.com	General Contractor
A. Gillam & Associates Inc.	Mr. Artis Gillam Sr.	2003 McGuffey Road	Youngstown	OH	44505	330-743-9702	330-743-8781	agilliamsr@aol.com	General Construction and Supplies
Vasta Construction Co., Inc.	Ms. Alicia Stavrou	12980 Avon Belden Road	Grafton	OH	44044	440-748-6519	440-748-2602	vastaconstruction@yahoo.com	Heavy highway construction and bridge repair

**GENERAL SUMMARY**

ITEM	GRAND TOTAL	UNIT	DESCRIPTION	GENERAL	MP 122.3	MP 128.5	MP 132.4	MP 145.8	AS PER PLAN, SEE SHEET NUMBER
<b>GENERAL</b>									
IB.ART.6	LUMP SUM	LUMP SUM	PREMIUM FOR CONTRACT PERFORMANCE BOND AND PAYMENT BOND	LUMP SUM					
SP 614	LUMP SUM	LUMP SUM	MAINTAINING TRAFFIC	LUMP SUM					
SP 619	LUMP SUM	LUMP SUM	FIELD OFFICE	LUMP SUM					
SP 623	LUMP SUM	LUMP SUM	CONSTRUCTION LAYOUT SURVEY	LUMP SUM					
624	LUMP SUM	LUMP SUM	MOBILIZATION	LUMP SUM					
<b>ROADWAY</b>									
202	277	SQ. YD.	APPROACH SLAB REMOVED			97		180	
202	462	FOOT	GUARDRAIL REMOVED		180	150	100	32	
202	16	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED		4	4	4	4	
202	7	EACH	ANCHOR ASSEMBLY REMOVED, TYPE A				4	3	
202	328	SQ. YD.	PAVEMENT REMOVED					328	
202	836	SQ. FT.	WALK REMOVED					836	
202	115	FOOT	CURB REMOVED		60		55		
202	110	FOOT	REMOVAL MISC.: PRESSURE RELIEF JOINT					110	
203	199	CU. YD.	EXCAVATION		45	16	52	86	
204	391	SQ. YD.	SUBGRADE COMPACTION		90	95	120	86	
254	1180	SQ. YD.	PAVEMENT PLANING, ASPHALT CONCRETE		492	86	602		
SP 304	123	CU. YD.	AGGREGATE BASE		15		22	86	
407	137	GAL.	NON-TRACKING TACK COAT		57	10	70		
441	59	CU. YD.	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)		24	5	30		
441	41	CU. YD.	ASPHALT CONCRETE SURFACE COURSE, TYPE 1,(448), PG64-22		17	3	21		
451	328	SQ. YD.	10" REINFORCED CONCRETE PAVEMENT, CLASS QC1					328	
SPECIAL	111	FOOT	PRESSURE RELIEF JOINT, TYPE B					111	
526	455	SQ. YD.	REINFORCED CONCRETE APPROACH SLABS (T=12")		90	95	89	181	
604	8	EACH	CATCH BASIN RECONSTRUCTED TO GRADE		4		2	2	
605	113	FOOT	AGGREGATE DRAINS					113	
605	65	FOOT	4" BASE PIPE UNDERDRAIN					65	
606	638	FOOT	GUARDRAIL, TYPE MGS		200	200	125	113	
606	12	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1		4	4	4		
606	4	EACH	ANCHOR ASSEMBLY, MGS TYPE A				3	1	
606	6	EACH	ANCHOR ASSEMBLY, MGS TYPE T				1	5	
608	1061	SQ. FT.	4" CONCRETE WALK					1061	
609	111	FOOT	CURB, TYPE 2A					111	
609	29	FOOT	CURB, TYPE 6				29		
611	20	FOOT	4" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS					20	
614	40	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	40					
614	3	EACH	WORK ZONE IMPACT ATTENUATOR (BIDIRECTIONAL) 					3	
614	16	EACH	REPLACEMENT SIGN 	16					
614	20	EACH	BARRIER REFLECTOR, TYPE B					20	
614	20	EACH	OBJECT MARKER, ONE WAY					20	
614	0.06	MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT					0.06	
614	0.17	MILE	WORK ZONE CENTER LINE, CLASS I, 740.06, TYPE I					0.17	
614	0.11	MILE	WORK ZONE EDGE LINE, CLASS I, 642 PAINT					0.11	
614	0.94	MILE	WORK ZONE EDGE LINE, CLASS I, 740.06, TYPE I					0.94	
617	8	CU. YD.	COMPACTED AGGREGATE				8		
622	520	FOOT	PORTABLE BARRIER, 32"					520	
622	976	FOOT	PORTABLE BARRIER, 32", BRIDGE MOUNTED				516	460	
630	100	SQ. FT.	SIGNING, MISC.:ADDITIONAL SIGNS, GROUND MOUNTED, AS DIRECTED BY ENGINEER	100					
642	3706	FOOT	REMOVAL OF PAVEMENT MARKING					3706	
642	0.11	MILE	EDGE LINE, 4", TYPE 1			0.11			
642	0.14	MILE	CENTER LINE, TYPE 1		0.08	0.06			
644	0.04	MILE	EDGE LINE, 4"					0.04	
644	0.40	MILE	LANE LINE, 4"					0.40	
644	0.29	MILE	CENTER LINE					0.29	
644	247	FOOT	TRANSVERSE/DIAGONAL LINE					247	

PROJECT 43-17-03 DATE: 10/17/16	GENERAL SUMMARY		NO. 1	REVISIONS 1 REVISED WORK ZONE ATTENUATOR DESCRIPTION	BY DATE DRP 12/15/16	DESIGN AGENCY 1100 Superior Avenue - Suite 300   Cleveland, OH 44114 www.osborn-engineers.com OSBORN ENGINEERS 441 West Leaper Parkway - Suite 300   Akron, OH 44311 (330) 555-5112
	ERIE AND LORAIN COUNTIES		M.P. 122.3, 128.5, 132.4 AND 145.8	OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION		

MAINTENANCE OF TRAFFIC SUBSUMMARY

PHASE	REF. NO.	STATION		SIDE	QUANTITIES										COMMENTS												
					614		614		614		614		614			622		642									
					EACH	EACH	MILE	MILE	MILE	MILE	MILE	MILE	EACH	FT		FT	FT	FT	FT								
		FROM	TO																								
1	R-1	4+23	5+43	RT																		124	EX. WHITE EDGE LINE				
	R-2	4+75	5+43	RT																			69	EX. WHITE EDGE LINE			
	R-3	5+43	8+70	RT																				327	EX. NB LANE LINE		
	R-4	5+29	7+13	RT																				287	EX. CENTER LINE & TRANSVERSE LINES		
	R-5	6+10	8+66	☉																				256	EX. CENTER LINE		
	R-6	6+60	15+55	LT																				895	EX. SB LANE LINE		
	R-7	11+33	15+55	☉/LT																				422	EX. CENTER LINE		
	R-8	12+02	15+04	RT																				445	EX. CENTER LINE & TRANSVERSE LINES		
	R-9	11+33	15+55	RT																				422	EX. NB LANE LINE		
	PB-1	7+96	8+86	RT/LT	2	2																		90			
	PB-2	8+86	11+16	LT	5	5																			230		
	PB-3	11+16	12+06	RT/LT	2	2																			90		
	PB-4	8+65(±)		RT																					20		
	PB-5	11+64(±)		RT																					20		
	IA-1		7+96	RT																					1		
	IA-2	12+06		RT																					1		
	EW-1	4+23	4+75	RT										0.011													
	EW-2	4+23	8+70	RT/LT										0.086													
	EW-3	7+75	8+70	LT										0.018													
	EW-4	8+70	11+60	LT									0.055														
	EW-5	8+70	11+60	LT									0.055														
	EW-6	11+60	13+60	LT										0.038													
	EW-7	11+60	15+55	LT/RT										0.075													
	EY-1	5+29	7+20	RT/LT										0.037													
	EY-2	6+10	7+20	LT										0.021													
	EY-3	13+10	15+55	LT										0.047													
	EY-4	13+10	15+05	LT/RT										0.037													
	CL-1	7+20	8+70	LT										0.028													
	CL-2	8+70	11+60	LT									0.055														
	CL-3	11+33	12+83	LT										0.028													
2	R-10	5+06	6+60	LT																					154	EX. SB LANE LINE	
	R-11	5+29	6+10	☉																						81	EX. CENTER LINE
	R-12	15+55	17+79	LT																						224	EX. SB LANE LINE
	PB-6	7+96	8+86	LT/RT	2	2																				90	
	PB-7	8+26(±)		LT																						20	
	PB-8	8+86	11+16	LT/RT	5	5																				230	
	PB-9	11+16	13+05	RT/LT	4	4																				190	
	IA-3		7+96	LT																						1	
	EW-8	5+19	17+94	LT/RT										0.242													
	EW-9	5+29	12+83	RT										0.166													
	EY-5	5+29	7+20	RT										0.037													
	EY-6	5+29	7+20	RT										0.037													
	EY-7	13+10	15+55	LT/RT										0.046													
	EY-8	13+10	14+97	RT										0.036													
	CL-4	7+20	13+10	RT										0.112													
SUBTOTALS					20	20	0.055	0.168	0.110	0.298	0.636	3	520	460	3706												
TOTALS CARRIED TO GENERAL SUMMARY					20	20	0.06	0.17	0.11	0.94	3	520	460	3706													

TRAFFIC CONTROL SUBSUMMARY

SHEET NO.	REF. NO.	STATION		SIDE	QUANTITIES			
					644		644	
					EDGE LINE, 4"	LANE LINE, 4"	CENTER LINE	TRANSVERSE/DIAGONAL LINE
		FROM	TO		MILE	MILE	MILE	FT
15	EW-1	4+23	5+43	RT	0.024			
	EW-2	4+75	5+43	RT	0.013			
	CL-1	5+29	7+13	☉			0.035	
	CL-2	5+29	7+13	RT			0.035	
	CL-3	7+13	12+02	☉			0.093	
	CL-4	12+02	15+55	LT			0.067	
	CL-5	12+02	15+04	RT			0.057	
	LL-1	5+06	17+79	LT		0.241		
	LL-2	5+43	13+33	RT		0.150		
	TL-1	5+29	7+13	LT/RT				103
	TL-2	12+02	15+04	LT/RT				144
SUBTOTALS					0.037	0.391	0.287	247
TOTALS CARRIED TO GENERAL SUMMARY					0.04	0.40	0.29	247

DESIGN AGENCY: OSBORNS CORP. 110 S. State Ave., Suite 301 | Columbus, OH 43114 | Tel: 614.291.2020 | Fax: 614.291.2021 | www.osbornscorp.com

PROJECT 43-17-03 WEST RIVER ROAD OVER OHIO TURNPIKE LORAIN COUNTY M.P. 145.8

DATE: 10/17/16

DESIGNED: DRP DRAWN: DRP

CHECKED: SMK IN CHARGE: BCK

NO. 1

REVISIONS: 1 REBID WORK ZONE ATTENUATOR DESCRIPTION

BY DATE: DRP 12/15/16

# MAINTENANCE OF TRAFFIC NOTES

**MAINTENANCE OF TRAFFIC NOTES (CONT.)**

**PERMANENT PAVEMENT MARKINGS**

AFTER PLACING THE SURFACE COURSE, THE CONTRACTOR MAY PLACE PERMANENT PAVEMENT MARKINGS INSTEAD OF PLACING WORK ZONE PAVEMENT MARKINGS, WHICH SHALL BE NON-PERFORMED AT THESE LOCATIONS.

PERMANENT PAVEMENT MARKINGS SHALL BE IN PLACE AS INDICATED IN THE PLANS PRIOR TO OPENING THE ROADWAY TO TRAFFIC.

**CONTINUOUS ACCESS**

THE CONTRACTOR SHALL MAINTAIN SAFE AND ADEQUATE DRIVEWAYS AND WALKWAYS IN ORDER TO PROVIDE CONTINUOUS ACCESS FOR PASSENGER VEHICLES, TRUCKS, AND SAFETY EQUIPMENT TO ALL ADJOINING PROPERTIES.

THE COST FOR ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO PROVIDE CONTINUOUS ACCESS SHALL BE INCLUDED IN THE LUMP SUM PRICE TOR SP 614 MAINTAINING TRAFFIC.

**COVERING OF GROUND-MOUNTED SIGNS- GENERAL**

WHEN REQUIRED BY OTHER ITEMS OR INCIDENTALLY TO SP 614 MAINTAINING TRAFFIC, COVER EXISTING GROUND-MOUNTED SIGNS WITH PLYWOOD OR OSB BLANKS (1/2" MINIMUM THICKNESS) COVERING 80% OF THE SIGN AREA AND ALL OF THE SIGN LEGEND. THE USE OF LOW QUALITY MATERIALS SUCH AS DUCT TAPE AND BLACK PLASTIC IS NOT PERMITTED.

**ITEM 630- SIGNING MISC.: ADDITIONAL SIGNS, GROUND MOUNTED, AS DIRECTED BY THE ENGINEER**

WHEN ADDITIONAL SIGNING IS NEEDED TO MAINTAIN TRAFFIC, THE CONTRACTOR SHALL FURNISH THE SIGN OR SIGNS AS DIRECTED BY THE ENGINEER. THESE SIGNS SHALL BE GROUND MOUNTED AND MEET ALL THE SPECIFICATIONS OF THE PLAN, PROPOSAL AND CURRENT YEAR CMS.

PAYMENT FOR THIS ITEM SHALL INCLUDE, BUT NOT BE LIMITED TO, THE COST TO FURNISH AND ERECT THE SIGN, INCLUDING DRIVING POSTS OR OTHER APPROVED METHODS OF SIGN SUPPORT, MAINTAINING THE SIGN AND REMOVAL OF THE SIGN. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

ITEM 630- SIGNING MISC.: ADDITIONAL SIGNS, GROUND MOUNTED, AS DIRECTED BY THE ENGINEER..... 100 SQ FT

**ITEM 614 - REPLACEMENT SIGN**

FLAT SHEET SIGNS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE CHIEF ENGINEER. REPLACEMENT SIGNS SHALL BE NEW. OTHER MATERIALS MAY BE IN USED, BUT GOOD, CONDITION SUBJECT TO APPROVAL BY THE CHIEF ENGINEER.

PAYMENT FOR THE NEW SIGNS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT SIGN, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF DAMAGED SIGNS, HARDWARE AND SUPPORTS, AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

ITEM 614, REPLACEMENT SIGN..... 16 EACH

**ALTERNATE METHODS**

IF THE CONTRACTOR SO ELECTS, HE/SHE MAY SUBMIT ALTERNATE METHODS FOR THE MAINTENANCE OF TRAFFIC, PROVIDED THE INTENT OF THE PROVISIONS IS FOLLOWED AND NO ADDITIONAL INCONVENIENCE TO THE TRAVELING PUBLIC RESULTS THERE FROM. NO ALTERNATE PLAN SHALL BE PLACED INTO EFFECT UNTIL APPROVAL HAS BEEN GRANTED IN WRITING, BY THE CHIEF ENGINEER.

**CONSTRUCTION TRAFFIC**

ALL CONSTRUCTION TRAFFIC SHALL USE ACCEPTABLE TRUCK ROUTES TO ACCESS THE CONSTRUCTION AREA. USE OF LOCAL RESIDENTIAL STREETS IS STRICTLY PROHIBITED UNLESS ALLOWED IN WRITING BY THE LOCAL ENFORCEMENT AUTHORITY.

**MAINTENANCE OF TRAFFIC - ARLINGTON ROAD AND JOPPA ROAD**

THE CONSTRUCTION OF THIS IMPROVEMENT REQUIRES THAT ARLINGTON ROAD AND JOPPA ROAD BE CLOSED TO ALL VEHICULAR AND PEDESTRIAN TRAFFIC, DETOURS SHALL BE ERECTED AND MAINTAINED BY THE CONTRACTOR AS PER THE DETOUR PLANS IN THESE DRAWINGS.

**MAINTENANCE OF TRAFFIC - DEAN ROAD**

THE CONSTRUCTION OF THIS IMPROVEMENT REQUIRES THAT DEAN ROAD BE CLOSED TO ALL VEHICULAR AND PEDESTRIAN TRAFFIC, WITH THE EXCEPTION OF EMERGENCY VEHICLES. DETOURS SHALL BE ERECTED AND MAINTAINED BY THE CONTRACTOR AS PER THE DETOUR PLAN IN THESE DRAWINGS.

**MAINTENANCE OF TRAFFIC SEQUENCE - WEST RIVER ROAD**

A MINIMUM OF ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT AND COMPLETED PAVEMENT. PART-WIDTH CONSTRUCTION SHALL BE USED TO FACILITATE MAINTAINING TWO-WAY TRAFFIC. WORK SHALL BE DONE IN PHASES AS OUTLINED BELOW:

**PHASE 1**

THIS PHASE WILL CONSIST OF THE REMOVING AND CONSTRUCTION THE NORTHBOUND (EAST SIDE) BRIDGE DECK, SIDEWALK, GUARDRAILS AND FENCING, ETC.

TWO-WAY VEHICULAR TRAFFIC WILL BE MAINTAINED AT ALL TIMES BY REDUCING SOUTHBOUND TRAFFIC TO ONE LANE AND REDUCING NORTHBOUND TRAFFIC TO ONE LANE AND SHIFTING THAT TRAFFIC TO THE OPPOSITE SIDE OF THE STREET. PEDESTRIAN TRAFFIC WILL BE DETOURED TO THE OPPOSITE SIDE OF THE STREET. REFER TO "MAINTENANCE OF TRAFFIC-PHASE 1" PLAN FOR DETAILS.

**PHASE 2**

THIS PHASE WILL CONSIST OF REMOVING AND CONSTRUCTING THE SOUTHBOUND (WEST SIDE) BRIDGE DECK, SIDEWALK, GUARDRAILS AND FENCING, ETC.

TWO-WAY VEHICULAR TRAFFIC WILL BE MAINTAINED AT ALL TIMES BY REDUCING NORTHBOUND TRAFFIC TO ONE LANE AND REDUCING SOUTHBOUND TRAFFIC TO ONE LANE AND SHIFTING THAT TRAFFIC TO THE OPPOSITE SIDE OF THE STREET. PEDESTRIAN TRAFFIC WILL BE DETOURED TO THE OPPOSITE SIDE OF THE STREET. REFER TO "MAINTENANCE OF TRAFFIC-PHASE 2" PLAN FOR DETAILS.

**CONSTRUCTION ADJACENT TO DRIVES**

ACCESS TO RESIDENTIAL DRIVES SHALL BE MAINTAINED AT ALL TIMES. THE PAYMENT FOR ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED TO MAINTAIN RESIDENTIAL ACCESS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM SP 614-MAINTAINING TRAFFIC.

**ITEM 614 - LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS**

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF CMS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

- DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

IN ADDITION TO THE REQUIREMENTS OF CMS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

- FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION OR AT THE POINT OF ROAD CLOSURE.

LEOS SHOULD NOT FOREGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. ONCE THE LEI HAS COMPLETED THE DUTIES DESCRIBED ABOVE AND STILL HAS TIME REMAINING ON HIS/HER SHIFT, THE LEO MAY BE ASKED TO PATROL THROUGH THE WORK ZONE (WITH FLASHING LIGHTS OFF) OR BE PLACED AT A LOCATION TO DETER MOTORISTS FROM SPEEDING. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE WHICH SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS WITH PATROL CAR REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE..... 40 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF AN LEO ARE INCLUDED WITH THE UNIT BID PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

**ITEM 614, WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (BIDIRECTIONAL)**

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NON-GATING IMPACT ATTENUATOR. FURNISH AN IMPACT ATTENUATOR FROM ODOT'S OFFICE OF ROADWAY ENGINEERING'S APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS, FROM THE ROADWAY STANDARDS APPROVED PRODUCTS WEB PAGE.

INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE CONTRACTOR SHALL REPAIR OR REPLACE A DAMAGED UNIT WITHIN 24 HOURS OF A DAMAGING IMPACT.

WHEN GATING IMPACT ATTENUATORS ARE DESIRED, THE CONTRACTOR SHALL SUBMIT DOCUMENTATION TO THE ENGINEER FOR ACCEPTANCE.

THE COST FOR THE ADDITIONAL BARRIER REQUIRED FOR A GATING IMPACT ATTENUATOR SHALL BE INCLUDED IN THE COST OF THE GATING IMPACT ATTENUATOR.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT, AND MATERIALS NECESSARY TO CONSTRUCT AND MAINTAIN A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS, HARDWARE, AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

 OSBORN ENGINEERING	DESIGN AGENCY 1100 Sumner Avenue - Suite 300   Cleveland, OH 44114 (216) 549-5200 www.osborn-eng.com 441 Wolf Lodge Parkway - Suite 300   Akron, OH 44311 (330) 552-5132	PROJECT 43-17-03 DATE: 10/17/16	MAINTENANCE OF TRAFFIC NOTES ERIE AND LORAIN COUNTIES M.P. 122.3, 128.5, 132.4 AND 145.8	OHIO TURNPIKE COMMISSION  
NO. 1	REVISIONS REVISED WORK ZONE ATTENUATOR NOTE	CHECKED SMK IN CHARGE BCK	DESIGNED DRP DRAWN DRP	BY DATE DRP 12/15/16