

ADDENDUM

Addendum No. 1

Owner: City of Owosso
Project: 2019 Street Program – Contract 1
Engineer: City of Owosso / Fleis & Vandenbrink

NOTICE TO ALL PROSPECTIVE BIDDERS

BIDS DUE: January 22, 2019

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This Addendum is a part of the Contract Documents and modifies the previously issued Bidding Documents. Acknowledge receipt of this Addendum in the space provided on the "*Signature Page and Legal Status*" section of the Bid Proposal. Failure to do so may result in rejection of the Bid.

ITEM NO. 1:

Add "W. Williams Street Soil Borings" to the Contract Documents.

Add "2019 Contract 1 Questions - 1" to the Contract Documents.

Approximate Quantities shown in the Bid Proposal will remain unchanged for this revision.

END OF ITEM NO. 1

END OF ADDENDUM NO. 1

W. Williams Street Soil Borings

Boring Locations

W. Williams Street

B1 WB Lane @ #110
B2 EB Lane @ #215
B3 EB Lane @ #317/#318
B4 WB Lane @ #416
B5 EB Lane @ #505



Construction Testing Services
 3300 E. Bristol Road, Burton, MI 48529

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JOB NO. S-17-254 LOG OF SOIL BORING NO. 1
 PROJECT: 2018 Street Program
 LOCATION: Owosso, Michigan
 DATE: 11/8/17 SURFACE ELEVATION: Existing

Sample & Type	Depth	Legend	Soil Description	SPT Blows per 6"	Moisture %	Natural Wt. P.C.F.	Unc. Comp. Strength	Str. %
			7.5" Concrete					
	1							
1A	2			1				
SS	3			2				
	4		Sand - Loose, Moist, Fine, Brown w/occ Pebble	2				
	5							
1B	6		6'0"	1				
SS	7		7'0" Sand - Medium Compact, Moist, Fine, Brown w/Gravel	2				
			End of Boring	3				
	8							
	9							
	10							
	11							
	12							
	13							
	14							
	15							
	16							
	17							
	18							
	19							
	20							
	21							
TYPE OF SAMPLE D. - DISTURBED U.L. - UNDIST. LINER S.T. - SHELBY TUBE S.S. - SPLIT SPOON R.C. - ROCK CORE OTHER -			BORING PLUGGED WITH NATURAL SOIL * The soil descriptions shown on the logs are from visual observations. No classification tests were performed. Standard Penetration Test - Driving 2" OD Sampler 1' With 140# Hammer Falling 30"; Count Made At 6" Intervals.		GROUND WATER OBSERVATIONS G.W. ENCOUNTERED AT FT. INS. G.W. ENCOUNTERED AT FT. INS. G.W. ON COMPLETION FT. INS. G.W. AFTER 1 HOUR FT. INS. G.W. VOLUMES None			



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JOB NO. S-17-254 **LOG OF SOIL BORING NO.** 2
PROJECT: 2018 Street Program
LOCATION: Owosso, Michigan
DATE: 11/8/17 **SURFACE ELEVATION:** Existing

Sample & Type	Depth	Legend	Soil Description	SPT Blows per 6"	Moisture %	Natural Wt. P.C.F.	Unc. Comp. Strength	Str. %	
			6.5" Asphalt						
	1								
2A	2			1					
SS	3			2					
	4			4					
	5		Sand - Medium Compact, Moist, Fine, Brown w/occ Pebble						
	6			2					
2B	7		6'3" Clay - Soft, Moist, Silty, Sandy, Brown w/Gravel	2					
SS			7'0" End of Boring	2					
	8								
	9								
	10								
	11								
	12								
	13								
	14								
	15								
	16								
	17								
	18								
	19								
	20								
	21								
TYPE OF SAMPLE D. - DISTURBED U.L. - UNDIST. LINER S.T. - SHELBY TUBE S.S. - SPLIT SPOON R.C. - ROCK CORE OTHER -			BORING PLUGGED WITH NATURAL SOIL * The soil descriptions shown on the logs are from visual observations. No classification tests were performed. Standard Penetration Test - Driving 2" OD Sampler 1' With 140# Hammer Falling 30"; Count Made At 6" Intervals.		GROUND WATER OBSERVATIONS G.W. ENCOUNTERED AT FT. INS. G.W. ENCOUNTERED AT FT. INS. G.W. ON COMPLETION FT. INS. G.W. AFTER 1 HOUR FT. INS. G.W. VOLUMES None				



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JOB NO. S-17-254 LOG OF SOIL BORING NO. 3
 PROJECT: 2018 Street Program
 LOCATION: Owosso, Michigan
 DATE: 11/8/17 SURFACE ELEVATION: Existing

Sample & Type	Depth	Legend	Soil Description	SPT Blows per 6"	Moisture %	Natural Wt. P.C.F.	Unc. Comp. Strength	Str. %
			7" Asphalt					
	1							
3A	2			1				
SS	3			2				
	4			4				
	5		Sand - Medium Compact, Moist, Fine, Brown w/occ Pebble					
	6			4				
3B	6		6'2"	8				
SS	7		7'0" Sand - Compact, Moist, Fine, Brown w/Gravel	11				
	8		End of Boring					
	9							
	10							
	11							
	12							
	13							
	14							
	15							
	16							
	17							
	18							
	19							
	20							
	21							
TYPE OF SAMPLE D. - DISTURBED U.L. - UNDIST. LINER S.T. - SHELBY TUBE S.S. - SPLIT SPOON R.C. - ROCK CORE OTHER -			BORING PLUGGED WITH NATURAL SOIL * The soil descriptions shown on the logs are from visual observations. No classification tests were performed. Standard Penetration Test - Driving 2" OD Sampler 1' With 140# Hammer Falling 30"; Count Made At 6" Intervals.		GROUND WATER OBSERVATIONS G.W. ENCOUNTERED AT FT. INS. G.W. ENCOUNTERED AT FT. INS. G.W. ON COMPLETION FT. INS. G.W. AFTER 1 HOUR FT. INS. G.W. VOLUMES None			



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JOB NO. S-17-254 LOG OF SOIL BORING NO. 4
 PROJECT: 2018 Street Program
 LOCATION: Owosso, Michigan
 DATE: 11/8/17 SURFACE ELEVATION: Existing

Sample & Type	Depth	Legend	Soil Description	SPT Blows per 6"	Moisture %	Natural Wt. P.C.F.	Unc. Comp. Strength	Str. %
			6.75" Asphalt					
	1							
4A	2			3				
SS	2			2				
	3			2				
	4		Possible Fill Sand - Loose to Medium Compact, Moist, Fine, Brown w/occ Pebble & tr/Possible Fill Topsoil					
	5							
4B	6			2				
SS	6			3				
	7		7'0" End of Boring	3				
	8							
	9							
	10							
	11							
	12							
	13							
	14							
	15							
	16							
	17							
	18							
	19							
	20							
	21							
TYPE OF SAMPLE D. - DISTURBED U.L. - UNDIST. LINER S.T. - SHELBY TUBE S.S. - SPLIT SPOON R.C. - ROCK CORE OTHER -			BORING PLUGGED WITH NATURAL SOIL * The soil descriptions shown on the logs are from visual observations. No classification tests were performed. Standard Penetration Test - Driving 2" OD Sampler 1' With 140# Hammer Falling 30"; Count Made At 6" Intervals.		GROUND WATER OBSERVATIONS G.W. ENCOUNTERED AT FT. INS. G.W. ENCOUNTERED AT FT. INS. G.W. ON COMPLETION FT. INS. G.W. AFTER 1 HOUR FT. INS. G.W. VOLUMES None			



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JOB NO. S-17-254 LOG OF SOIL BORING NO. 5
 PROJECT: 2018 Street Program
 LOCATION: Owosso, Michigan
 DATE: 11/8/17 SURFACE ELEVATION: Existing

Sample & Type	Depth	Legend	Soil Description	SPT Blows per 6"	Moisture %	Natural Wt. P.C.F.	Unc. Comp. Strength	Str. %
			6.5" Asphalt					
	1							
5A	2			3				
SS	3			3				
	4			5				
	5		Sand - Compact, Moist, Fine, Brown w/occ Pebble					
5B	6			2				
SS	7			4				
			7'0" End of Boring	6				
	8							
	9							
	10							
	11							
	12							
	13							
	14							
	15							
	16							
	17							
	18							
	19							
	20							
	21							
TYPE OF SAMPLE D. - DISTURBED U.L. - UNDIST. LINER S.T. - SHELBY TUBE S.S. - SPLIT SPOON R.C. - ROCK CORE OTHER -			BORING PLUGGED WITH NATURAL SOIL * The soil descriptions shown on the logs are from visual observations. No classification tests were performed. Standard Penetration Test - Driving 2" OD Sampler 1' With 140# Hammer Falling 30"; Count Made At 6" Intervals.		GROUND WATER OBSERVATIONS G.W. ENCOUNTERED AT FT. INS. G.W. ENCOUNTERED AT FT. INS. G.W. ON COMPLETION FT. INS. G.W. AFTER 1 HOUR FT. INS. G.W. VOLUMES None			

2019 Contract 1 Questions - 1

Q: Do you have soil borings for Williams Street? Will there be a need for dewatering the storm sewer trench?

A: A PDF with Williams Street soil borings has been added to the contract documents as part of Addendum 1. Soil Boring No. 1 states 7.5" of concrete. Visual inspection suggests that this is an asphalt surface. If concrete is found, removal will be paid for as Pavt, Rem. In accordance with MDOT's 2012 Standard Specifications for Construction, the cost of dewatering, if needed, will be included in the unit prices for related pay items.

Q: On the "Williams Street - HMA Application Chart" on sheet W2 Project Number 832190, it states to use 13A HMA Material at 1.5" for Top and 8.5" for Base in Commercial approach areas and to use 13A HMA Material at 2" for Top and 3" for Base in Residential Approach Areas. This conflicts with the cross sections because the cross sections states to use 4.5" of 2C and 1.5" of 5E3.

Are the side streets (N. Water Street, N Ball Street, N. Washington Street, Pine Street, and N. Adams Street) considered Residential Approaches, Commercial Approaches, or do we use the typical 4.5" 2C and 1.5" 5E3 cross section?

A: For the side street approaches on Williams, use the typical 4.5" 2C and 1.5" 5E3 cross section. The notes on the HMA Application Chart are referring to commercial and residential driveways - not side street approaches.