

Test Hole Number	Station	Date	Type of Utility	Utility Size	Material of Utility	Cross Section	Utility Direction	Offset	Northing	Easting	Existing Ground Elevation	Top of Utility Field Depth (Feet)	Elevation (Top of Utility)	Quality Level	Surface Type Ground / Paving / Concrete	Surface Thickness (Inches)	Comments
1 ★	3346+60.27 "PR-Ililiana"	05/29/14	Pipeline	See Note	See Note	See Note		199.8' LT	1697933.448	1254187.673	731.09'	2.33'	728.76'	B	Natural Ground	N/A	Per Jeff Payne with BP: 8" steel tar wrapped pipeline, depths achieved by probe depths performed by BP representative (Jeff Payne)
2 ★	3346+95.59 "PR-Ililiana"	05/29/14	Pipeline	See Note	See Note	See Note		149.8' LT	1697881.511	1254219.952	734.35'	2.54'	731.81'	B	Natural Ground	N/A	Per Jeff Payne with BP: 8" steel tar wrapped pipeline, depths achieved by probe depths performed by BP representative (Jeff Payne)
3 ★	3347+31.00 "PR-Ililiana"	05/29/14	Pipeline	See Note	See Note	See Note		99.8' LT	1697829.497	1254252.315	734.74'	2.30'	732.44'	B	Natural Ground	N/A	Per Jeff Payne with BP: 8" steel tar wrapped pipeline, depths achieved by probe depths performed by BP representative (Jeff Payne)
4 ★	3347+65.90 "PR-Ililiana"	05/29/14	Pipeline	See Note	See Note	See Note		49.7' LT	1697777.340	1254284.151	734.58'	1.67'	732.91'	B	Natural Ground	N/A	Per Jeff Payne with BP: 8" steel tar wrapped pipeline, depths achieved by probe depths performed by BP representative (Jeff Payne)
5 ★	3348+01.51 "PR-Ililiana"	05/29/14	Pipeline	See Note	See Note	See Note		0.3' RT	1697725.444	1254316.724	735.16'	1.96'	733.20'	B	Natural Ground	N/A	Per Jeff Payne with BP: 8" steel tar wrapped pipeline, depths achieved by probe depths performed by BP representative (Jeff Payne)
6 ★	3348+37.15 "PR-Ililiana"	05/29/14	Pipeline	See Note	See Note	See Note		50.2' RT	1697673.385	1254349.313	735.90'	2.17'	733.73'	B	Natural Ground	N/A	Per Jeff Payne with BP: 8" steel tar wrapped pipeline, depths achieved by probe depths performed by BP representative (Jeff Payne)
7 ★	3348+72.32 "PR-Ililiana"	05/29/14	Pipeline	See Note	See Note	See Note		100.2' RT	1697621.370	1254381.436	736.10'	2.0'	734.10'	B	Natural Ground	N/A	Per Jeff Payne with BP: 8" steel tar wrapped pipeline, depths achieved by probe depths performed by BP representative (Jeff Payne)
8 ★	3349+07.46 "PR-Ililiana"	05/29/14	Pipeline	See Note	See Note	See Note		150.1' RT	1697569.432	1254413.529	737.94'	2.13'	735.81'	B	Natural Ground	N/A	Per Jeff Payne with BP: 8" steel tar wrapped pipeline, depths achieved by probe depths performed by BP representative (Jeff Payne)
9 ★	3349+42.43 "PR-Ililiana"	05/29/14	Pipeline	See Note	See Note	See Note		200.3' RT	1697517.256	1254445.445	739.55'	1.91'	737.64'	B	Natural Ground	N/A	Per Jeff Payne with BP: 8" steel tar wrapped pipeline, depths achieved by probe depths performed by BP representative (Jeff Payne)
10 ★	3346+54.79 "PR-Ililiana"	05/29/14	Fiber Optic	1.5" (2)	PE Pipe			181.1' LT	1697915.131	1254181.087	732.11'	3.98'	728.13'	A	Natural Ground	N/A	Records show 3 PE conduits (Per Jeremy with Level 3) Only 2 were exposed; 3rd underneath
11 ★	3348+78.94 "PR-Ililiana"	05/29/14	Fiber Optic	1.5" (2)	PE Pipe			136.2' RT	1697585.085	1254385.895	736.96'	3.80'	733.16'	A	Natural Ground	N/A	Records show 3 PE conduits (Per Jeremy with Level 3) Only 2 were exposed; 3rd underneath
12	752+52.62	06/05/14	Traffic Signal	2.5"	Metallic			0.308' LT	1685338.728	1267954.188	670.78'	2.01'	668.77'	A	Concrete	N/A	
13	753+10.34	06/03/14	Force Main	8"	Metallic			129.004' RT	1685399.943	1268081.881	668.94'	7.06'	661.88'	A	Natural Ground	N/A	
14A	753+11.92	07/24/14	Force Main	See Note	See Note	See Note		0.715' LT	1685397.990	1267952.167	678.87'	See Note	See Note	B	Natural Ground	N/A	Electronic Reading Only (Electronic Depth Reading of 16.5')
15	753+10.04	06/03/14	Force Main	8"	Metallic			130.634' LT	1685392.580	1267822.347	670.53'	8.41'	662.12'	A	Natural Ground	N/A	
16	753+15.41	06/03/14	Fiber Optic	See Note	See Note	See Note		1.392' LT	1685401.468	1267951.395	680.57'	See Note	See Note	B	Natural Ground	N/A	Electronic Reading Only (Electronic Depth Reading of 13.6')
16A	753+26.14	06/03/14	Fiber Optic	2.5" (2)	PE Pipe			129.657' RT	1685415.754	1268082.104	669.56'	7.96'	661.60'	A	Natural Ground	N/A	
16B	753+24.25	06/05/14	Fiber Optic	2.5" (2)	PE Pipe			138.853' LT	1685406.556	1267813.745	669.92'	4.50'	665.42'	A	Natural Ground	N/A	
17	754+27.53	06/11/14	Fiber Optic	See Note	See Note	See Note		0.2' LT	1685513.575	1267949.535	687.17'	See Note	See Note	A	Natural Ground	N/A	Electronic Reading Only (Electronic Depth Reading of 18.3')
17A	754+31.52	06/11/14	Fiber Optic	See Note	See Note	See Note		109.78' RT	1685520.560	1268059.366	675.27'	See Note	See Note	B	Natural Ground	N/A	Electronic Reading Only (Electronic Depth Reading of 9.4')</

* TEST HOLES 1-11 ARE FOR THE ILLIANA EXPRESSWAY AND SHOULD THEREFORE BE DISREGARDED. TEST HOLES 12 - 80 ARE FOR I-65, FROM SR 2 TO US 30.

Client: HNTB	
Vac Truck/Trailer No.: 550-420, 550-562	
SUE Crew: CA, JC, JF, AH, KH, AL, RR	
City/County: Merrillville / Lake	
Location: Illiana & I-65	
Prepared By: JDC - Date: 6/24/14	Checked By: KFS - Date: 7/17/14
Revised By: KLC - Date: 8/12/14	Checked By: KFS - Date: 8/12/14

 **Cardno**
TBE

Shaping the Future

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Indianapolis, Indiana 46256
317-579-4083

Cardino TBE Project No. - IN02900500

S.U.E. UTILITY MATRIX

HNTB

Illiana & I-65 ATL Lake County, IN

SHEET NO.		
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Test Hole Number	Station	Date	Type of Utility	Utility Size	Material of Utility	Cross Section	Utility Direction	Offset	Northing	Easting	Existing Ground Elevation	Top of Utility Field Depth (Feet)	Elevation (Top of Utility)	Quality Level	Surface Type Ground / Paving / Concrete	Surface Thickness (Inches)	Comments
27A	1141+89.29	06/10/14	Fiber Optic	14"	Duct			92.141' RT	1723071.240	1261237.173	716.04'	5.25'	710.79'	A	Asphalt	4"	
27B	1142+68.15	06/10/14	Fiber Optic	6" (2)	PVC Pipe			78.502' LT	1723202.427	1261102.530	715.73'	4.62'	711.11'	A	Asphalt	6"	
29A	1143+85.61	07/23/14	Water	30"	Metallic			106.711' LT	1723322.579	1261115.044	715.13'	6.55'	708.58'	A	Natural Ground	N/A	Could not expose entire pipe. Records indicate 30" casing
30A	1143+41.68	07/23/14	Water	30"	Metallic			14.732' LT	1723250.526	1261187.145	715.10'	6.69'	708.41'	A	Natural Ground	N/A	Could not expose entire pipe. Records indicate 30" casing
31A	1142+88.80	07/23/14	Water	30"	Metallic			94.923' RT	1723164.152	1261272.934	714.42'	5.72'	708.70'	A	Natural Ground	N/A	Could not expose entire pipe. Records indicate 30" casing
33	1213+95.89	06/10/14	Buried Telephone	See Note	See Note	See Note		3.381' LT	1730211.994	1261807.744	700.32'	See Note	See Note	B	Natural Ground	N/A	Electronic reading only (Electronic depth of 6.3')
33A	1213+97.34	06/10/14	Buried Telephone	15"	Metallic			80.761' RT	1730214.616	1261891.858	697.52'	3.42'	694.10'	A	Natural Ground	N/A	
33B	1213+93.90	06/10/14	Buried Telephone	15"	Metallic			84.43' LT	1730208.881	1261726.731	697.13'	3.97'	693.16'	A	Natural Ground	N/A	
34	1215+58.97	06/10/14	Gas	See Note	See Note	See Note		101.919' LT	1730373.693	1261706.953	697.21'	4.91'	692.30'	B	Natural Ground	N/A	Unable to expose due to test hole location (Manual depth taken at 4.91')
35	1215+56.12	06/10/14	Gas	See Note	See Note	See Note		2.338' LT	1730372.226	1261806.564	699.87'	See Note	See Note	B	Natural Ground	N/A	Electronic reading only (Electronic depth of 9.0')
36	1215+60.86	06/10/14	Gas	See Note	See Note	See Note		75.316' RT	1730378.049	1261884.144	698.10'	7.01'	691.09'	A	Natural Ground	N/A	Unable to expose completely due to ground water (Probed at 7.01' probed depth matches electronic reading taken, believe to be 6" gas main)
37	1216+12.96	06/10/14	Water	See Note	See Note	See Note		77.488' LT	1730428.016	1261730.632	698.31'	7.04'	691.27'	B	Natural Ground	N/A	Unable to fully expose due to ground water (Probed to top of water main at 7.04')
39	1216+14.28	06/10/14	Water	See Note	See Note	See Note		85.138' RT	1730431.600	1261893.224	697.53'	See Note	See Note	B	Natural Ground	N/A	Unable to expose due to groundwater (Probed to a depth of 8')
43	1240+68.18	06/10/14	Water	16"	Metallic			131.146' LT	1732882.256	1261642.909	685.78'	5.69'	680.09'	A	Natural Ground	N/A	
45	1240+67.66	06/10/14	Water	16"	Metallic			119.753' RT	1732885.216	1261893.791	683.49'	4.99'	678.50'	A	Natural Ground	N/A	Depth taken in water manhole
46A	1241+31.27	06/10/14	Traffic Signal	2"	Metallic			78.857' LT	1732946.069	1261694.317	686.06'	1.95'	684.11'	A	Natural Ground	N/A	Depth taken in traffic manhole
46B	1241+31.27	06/10/14	Traffic Signal	2"	Metallic			92.755' RT	1732948.452	1261865.913	684.74'	1.90'	682.84'	A	Natural Ground	N/A	Depth taken in traffic manhole
47	1241+79.56	06/11/14	Force Main	See Note	See Note	See Note		106.642' LT	1732993.973	1261665.865	690.13'	See Note	See Note	D	Natural Ground	N/A	Clearance hole dug to 8' then probed to a depth of 9' without reaching utility
49	1241+82.14	06/11/14	Force Main	See Note	See Note			123.247' RT	1732999.739	1261895.696	683.84'	See Note	See Note	D	Natural Ground	N/A	Clearance hole dug to 8' without exposing utility
50	1241+96.99	06/10/14	Electric	See Note	See Note			110.585' LT	1733011.340	1261661.680	691.08'	See Note	See Note	B	Natural Ground	N/A	Clearance hole dug 2' each side of one call marks to a depth of 8'
52	1241+97.92	06/11/14	Electrical	6"	Metallic			123.809' RT	1733015.524	1261896.039	684.02'	3.84'	680.18'	A	Natural Ground	N/A	
53	1242+02.95	06/10/14	Gas	12"	Metallic			106.839' LT	1733017.354	1261665.343	691.17'	6.08'	685.09'	A	Natural Ground	N/A	
55	1242+03.86	06/11/14	Gas	12"	Metallic			123.586' RT	1733021.463	1261895.734	684.0'	4.87'	679.13'	A	Natural Ground	N/A	
56A	1294+11.84	06/11/14	Buried Telephone	12"	Concrete Pipe			68.068' RT	1738228.168	1261767.951	690.83'	2.28'	688.55'	A	Natural Ground	N/A	
56B	1293+91.81	06/12/14	Buried Telephone	15"	Concrete Pipe			76.547' LT	1738206.130	1261623.628	689.47'	1.72'	687.75'	A	Natural Ground	N/A	
57A	1294+18.79	06/11/14	Fiber Optic	4" (2)	Polyethylene Pipe			67.944' RT	1738235.119	1261767.730	691.13'	2.44'	688.69'	A	Natural Ground	N/A	
57B	1294+00.91	06/12/14	Fiber Optic	4" (2)	Polyethylene Pipe			75.863' LT	1738215.238	1261624.186	692.99'	3.62'	689.37'	A	Natural Ground	N/A	Pipe diameter is 42" according to Troy Toweson of Enbridge Gas
58	1339+61.92	06/16/14	Gas	42"	Metallic			86.873' LT	1742775.665	1261549.884	700.28'	4.85'	695.43'	A	Natural Ground	N/A	
60	1339+67.11	06/16/14	Gas	42"	Metallic			82.536' RT	1742783.201	1261719.205	700.85'	9.0'	691.85'	B	Natural Ground	N/A	Could not fully expose due to ground water (Probed pipe at 9.00', pipe is 42" in diameter according to Troy Toweson of Enbridge Gas)
61	1345+36.69	06/18/14	Water	See Note	Metallic			81.601' LT	1743350.450	1261547.180	704.88'	6.37'	698.51'	A	Natural Ground	N/A	Could not confirm pipe size due to ground water
63	1345+35.75	06/12/14	Water	See Note	See Note	See Note		83.834' RT	1743351.803	1261712.612	704.16'	6.20'	697.96'	B	Natural Ground	N/A	Could not fully expose due to ground water (Probed and took manual depth at 6.20')
64A	1345+45.74	06/12/14	Fiber Optic	1.5"	PE Pipe			82.073' RT	1743361.768	1261710.713	704.77'	7.50'	697.27'	A	Natural Ground	N/A	
64B	1345+49.63	06/16/14	Fiber Optic	1.5"	PE Pipe			79.656' LT	1743363.415	1261548.945	704.86'	5.49'	699.37'	A	Natural Ground	N/A	
65	1347+19.38	06/10/14	Traffic Signal	4"	PVC Pipe			71.879' LT	1743533.251	1261554.366	706.82'	1.24'	705.58'	A	Natural Ground	N/A	
68A	1347+37.56	06/12/14	Buried Telephone	See Note	See Note	See Note		72.749' RT	1743553.441	1261698.728	706.86'	7.88'	698.98'	B	Natural Ground	N/A	Could not fully expose due to ground water (Probed and took manual depth at 7.88')
68B	1347+35.65	06/13/14	Buried Telephone	See Note	See Note	See Note		75.335' LT	1743549.473	1261550.684	706.40'	5.10'	701.30'	B	Natural Ground	N/A	Could not fully expose due to sand caving in test hole (Probed at a depth of 5.10')
69	1383+52.95	06/16/14	Electric	2"	Direct Buried Cable			70.442' RT	1747164.608	1261431.908	698.28'	1.98'	696.30'	A	Natural Ground	N/A	

* TEST HOLES 1-11 ARE FOR THE ILLIANA EXPRESSWAY AND SHOULD THEREFORE BE DISREGARDED. TEST HOLES 12 - 80 ARE FOR I-65, FROM SR 2 TO US 30.

Client: HNTB	Prepared By: JDC	Date: 6/24/14
Vac Truck/Trailer No.: 550-420, 550-562	Checked By: KFS	Date: 6/17/14
SUE Crew: CA, JC, JF, AH, KH, AL, RR		
City / County: Merrillville / Lake		
Location: Illiana & I-65		



Cardno TBE Project No. - IN02900500
S.U.E. Test Hole Data
HNTB
Illiana & I-65 ATL Lake County, IN

SHEET NO.		
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