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6/2/99

PROJECT REFERENCE NO.	SHEET NO.
R-2409C	1C-2
Location and Surveys	

SURVEY CONTROL SHEET

BENCHMARK DESCRIPTION

BM1 ELEVATION = 2975.68
N 523382 E 824836
BL_ESP STATION 5+45 24 RIGHT
NW CORNER GRATE SE END OF BRIDGE

BM2 ELEVATION = 2916.53
N 524466 E 826073
BL_ESP STATION 27+62 14 RIGHT
RR SPIKE IN BASE 16" OAK

BM3 ELEVATION = 2866.40
N 522649 E 828028
BL_ESP STATION 61+27 31 RIGHT
RR SPIKE IN BASE 12" OAK

BM4 ELEVATION = 2754.39
N 524087 E 829749
BL_ESP STATION 89+94 45 RIGHT
RR SPIKE IN BASE 20" OAK

DATUM DESCRIPTION

PROJECT COORDINATES FOR THIS PROJECT ARE CONSISTENT WITH THE COORDINATES FROM THE DIVISION 14 DDC PROJECT DONE IN 1997 OR 1998. NO DATUM DESCRIPTION RECORD WAS FOUND IN THE OLD NCDOT RECORDS. GPS POINTS R2409-1, R2409-2, AND R2409-3 WERE USED FOR CONTROL. R2409-4 WAS FOUND AND TIED BUT HAD BEEN DISTURBED AND WAS NOT USED.

A GPS SITE CALIBRATION WOULD BE NEEDED BEFORE ANY CONSTRUCTION SURVEYS ARE COMPLETED WITH GPS EQUIPMENT.

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES

BL

POINT	DESC.	NORTH	EAST	ELEVATION	EL STATION	OFFSET
401	BL-401	523416.1200	824797.7190	2918.87	IS OUT OF CHAIN.	
402	BL-402	523335.7950	825111.8550	2918.00	11+46.19	18.52 RT
403	BL-403	523436.3410	825380.7700	2921.33	14+31.84	18.81 LT
404	BL-404	523556.2970	825747.8350	2928.97	17+72.87	106.13 RT
405	BL-405	523996.9030	825891.4970	2957.39	21+76.06	151.37 RT
1	GPS-1	524599.9840	825929.0690	2920.30	27+90.94	69.52 LT
10	DOT-10	525354.3480	825443.1430	2969.82	27+82.24	966.69 LT
406	BL-406	524472.5670	826087.0570	2914.80	28+84.87	113.82 RT
407	BL-407	524517.9940	826403.6100	2903.49	32+67.55	32.18 RT
408	BL-408	524214.5050	826462.4910	2906.77	36+01.65	184.69 RT
409	BL-409	523849.5100	826799.3320	2919.37	40+76.21	38.15 RT
410	BL-410	523799.2150	827253.0460	2919.50	44+11.36	315.45 LT
411	BL-411	523435.9540	827227.9960	2924.86	46+64.58	53.80 LT
412	BL-412	523014.9650	827637.2930	2898.59	52+69.49	10.75 LT
413	BL-413	523155.0060	827865.2510	2882.37	55+30.09	154.58 LT
414	BL-414	522643.9780	827983.0150	2866.90	55+57.82	369.11 RT
415	BL-415	523009.4060	828288.1290	2837.31	59+21.47	61.88 RT
416	BL-416	523296.7830	828242.7780	2818.56	59+26.43	229.01 LT
417	BL-417	523329.9310	828469.4240	2805.35	61+55.40	222.51 LT
418	BL-418	523103.9970	828708.4670	2786.90	63+51.05	41.60 RT
419	BL-419	523335.0730	829148.0960	2769.62	68+38.49	23.08 RT
420	BL-420	523485.4800	829083.7460	2762.50	69+63.91	90.04 LT
421	BL-421	523696.8980	829344.0120	2754.89	72+60.90	31.22 RT
422	BL-422	524074.0860	829637.2850	2750.01	77+36.34	19.12 LT
423	BL-423	524287.9620	830005.7360	2763.78	IS OUT OF CHAIN.	

NOTES:

1. *THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING PROJECT CONTROL DATA AT:*
   HTTP:/WWW.NCDOT.ORG/DOH/PRECONSTRUCT/HIGHWAY/LOCATION/PROJECT/

   THE FILES TO BE FOUND ARE AS FOLLOWS:
   R2409C_LS_CONTROL.TXT
   R2409C_LS_LOCAL.TXT

2. *SITE CALIBRATION INFORMATION HAS NOT BEEN PROVIDED FOR THIS PROJECT. IF FURTHER INFORMATION IS NEEDED, PLEASE CONTACT THE LOCATION & SURVEYS UNIT.*

3. *PROJECT CONTROL ESTABLISHED USING GLOBAL POSITIONING SYSTEM. NETWORK ESTABLISHED FROM EXISTING (NON-HARN) MONUMENTATION.*

10/8/2015
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TRANSYSTEMS, INC.