

INTER-OFFICE COMMUNICATION

TO: Joe Defuria, District 4

FROM: Leigh A. Oesterling, Transportation Planner, Office of Technical Services

SUBJECT: SUM-18-Corridor Study, PID 77749

DATE: February 10, 2006

In reply to a request dated January 20, 2006, attached is a set of plates showing 2010 and 2030 AM DHVs and PM DHVs, and the requested turning movement volumes for the subject project.

Please use the following design designations and truck factors:

IR 77					SR 18	
north of		south of			east of	
	<u>SR 18</u>	<u>SR 21</u>	<u>SR 21</u>	<u>Cleveland-Massillon Rd</u>	<u>IR 77</u>	<u>Springside Dr</u>
2010 ADT:	55640	78060	50780	64280	41460	32940
2030 ADT:	69200	95680	58460	71960	41460	32940
K:	0.11	0.10	0.10	0.10	0.10	0.11
D:	0.64	0.61	0.55	0.55	0.52	0.52
T24:	0.11	0.11	0.10	0.09	0.03	0.03
TD A.M.:	0.06	0.06	0.06	0.05	0.02	0.02
TD P.M.:	0.06	0.06	0.06	0.05	0.02	0.02

SR 18						SR 21
	west of	west of	west of	west of	west of	south of
	<u>IR 77</u>	<u>Crystal Lake</u>	<u>Heritage</u>	<u>N. Hametown</u>	<u>Medina Line</u>	<u>IR 77</u>
2010 ADT:	50670	36440	34560	27110	25300	35360
2030 ADT:	59780	46200	42900	33560	32330	46840
K:	0.09	0.09	0.09	0.09	0.09	0.11
D:	0.53	0.58	0.58	0.53	0.50	0.65
T24:	0.05	0.05	0.06	0.08	0.09	0.10
TD A.M.:	0.03	0.03	0.04	0.05	0.05	0.06
TD P.M.:	0.03	0.03	0.04	0.05	0.05	0.06

IR 77 & SR 18 RAMPS								
	<u>SB-WB</u>	<u>SB-EB</u>	<u>NB-EB</u>	<u>NB-WB</u>	<u>EB-SB</u>	<u>EB-NB</u>	<u>WB-NB</u>	<u>WB-SB</u>
TD A.M.:	0.07	0.08	0.03	0.12	0.07	0.04	0.03	0.04
TD P.M.:	0.02	0.04	0.02	0.07	0.07	0.03	0.02	0.04

IR 77 & SR 21 RAMPS				
	<u>77 SB to 21 SB</u>	<u>77 NB to 21 SB</u>	<u>21 NB to 77 SB</u>	<u>21 NB to 77 NB</u>
TD A.M.:	0.03	0.02	0.03	0.06
TD P.M.:	0.03	0.02	0.02	0.06

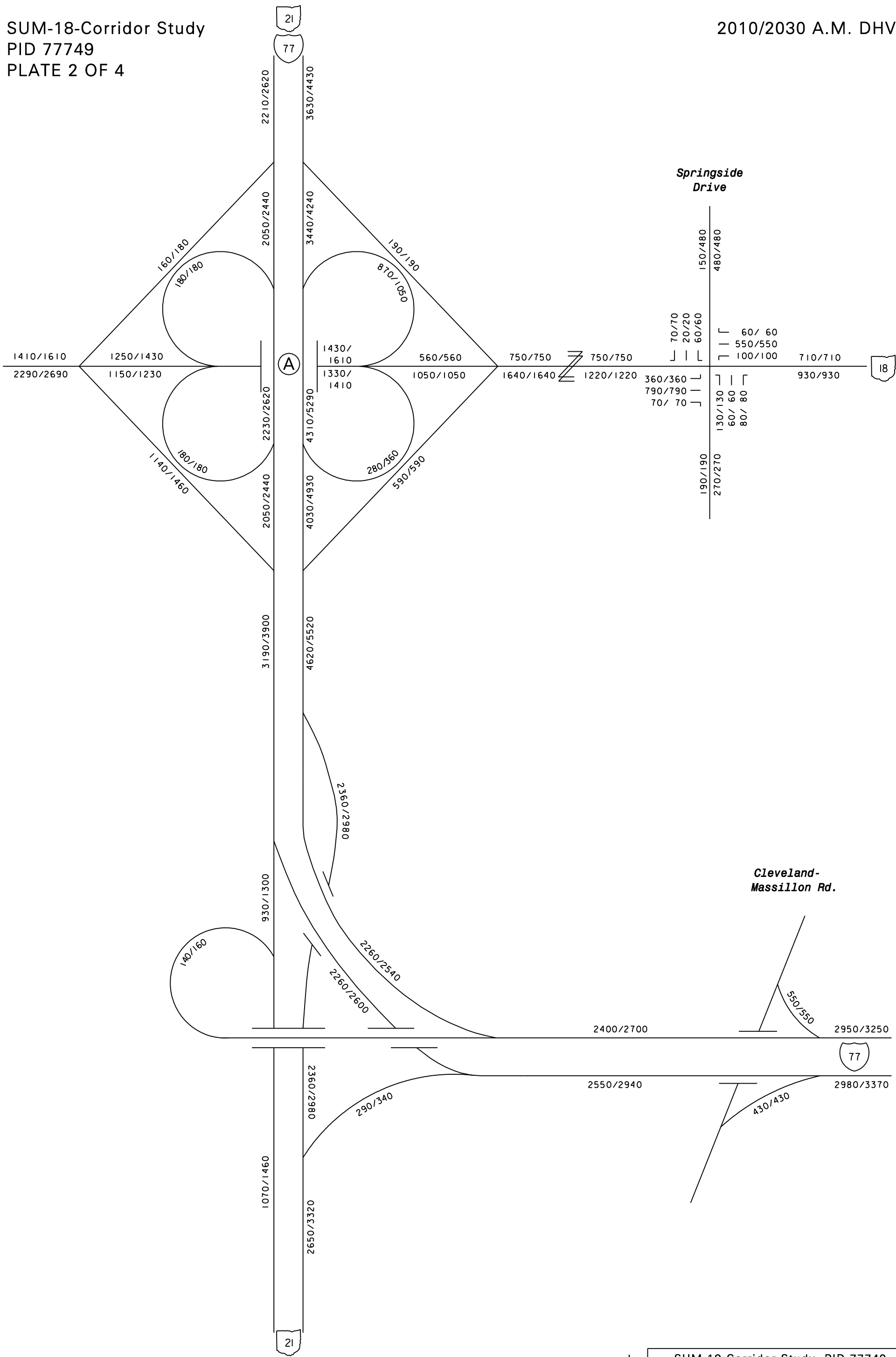
IR 77 & CLEVELAND-MASSILLON RD RAMPS		
	<u>77 NB to Clev-Mass Rd</u>	<u>Cleve-Mass Rd to 77SB</u>
TD A.M.:	0.04	0.03
TD P.M.:	0.03	0.02

	<u>All other locations</u>
TD A.M.:	0.02
TD P.M.:	0.02

If you have any questions, please contact me at (614) 752-5747.

LAO:lo

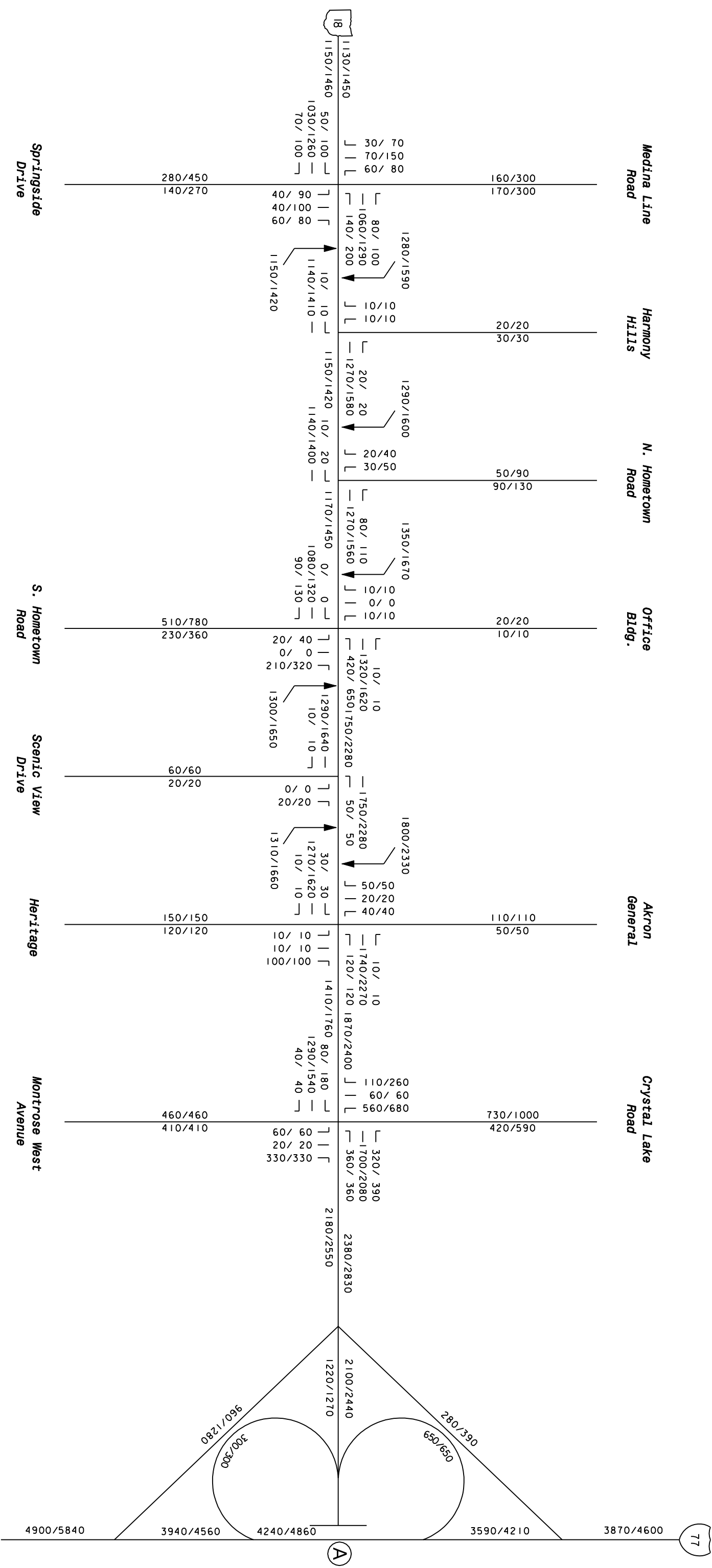
c: J. McQuirt, OTS-P. Siddle, OTS-B. Schafer, D-4-File

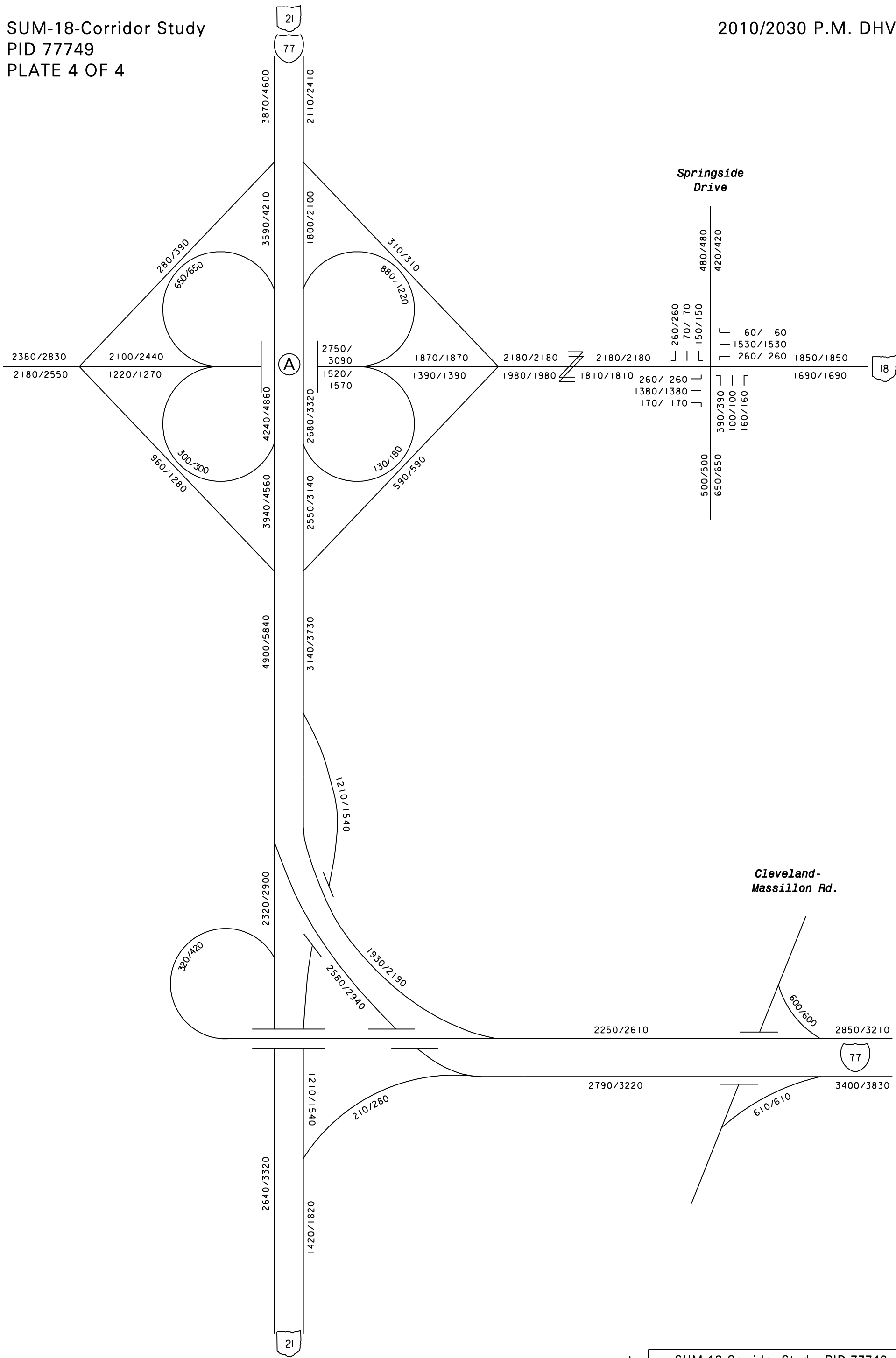


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2010/2030 A.M./P.M. DHV	
OHIO DEPARTMENT OF TRANSPORTATION	
OFFICE OF TECHNICAL SERVICES	
FEBRUARY 10, 2006	NOT TO SCALE

SUM-18-Corridor Study
PID 77749
PLATE 3 OF 4

2010/2030 P.M. DHV





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