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Table 4.17-A: Existing Utilities - Expected Impacts and Proposed Actions

FEIS PROJECT PACKAGE		SIZE	LOCATION	UTILITY OWNER	POTENTIAL IMPACT	REFERENCE	
1. LOOP TRACK	1. Support and Protect Electric Lines	138 kV	Across Tracks MM3, L2, L1, future Track MM4, and future Track L0, between STA MM3 905+00 and STA MM3 909+00	AMTRAK	Impact on the NJ Transit Main, Bergen County and Pascack Valley Lines	UT-PU-202	
		138 kV and 230 kV	Across future Track MM4, between STA MM4 916+00 and STA MM4 918+00	PSE&G	Impact on the NJ Transit Main, Bergen County and Pascack Valley Lines	UT-PU-203	
		138 kV and 230 kV	Across Track L2 and U-structure, between STA L2 913+00 and Sta L2 916+00	PSE&G	Impact on the NJ Transit Main, Bergen County and Pascack Valley Lines	UT-PU-203	
		138 kV and 230 kV	Across Track MM3, between STA MM3 914+00 and Sta MM3 916+00	PSE&G	Impact on the NJ Transit Main, Bergen County and Pascack Valley Lines	UT-PU-203	
		138 kV	Across Track W1, Track L2, Track LD, L1, and future Track L0, between STA W1 940+00 and STA W1 941+00	AMTRAK	Impact to Boonton Line	UT-PU-206	
	2. Support and Protect Telephone Line	Unknown	Across Track L3 and U structure, between STA L3 968+00 and STA L3 969+00	Qwest	Impact to telephone line interruption	UT-PU-210	
		Unknown	At STA W1 917+00 and STA W1 918+00	Qwest	Impact of power outage/interruption due to cut-and-cover construction	UT-PU-220	
		Unknown	Across Track L2 and U-structure at STA L2 920+00 and between STA L2 921+00 and STA L2 922+00	Qwest	Impact of power outage/interruption due to cut-and-cover construction	UT-PU-222	
	3. New catenary pole	n/a	Across Track W1 and Track RL, between STA W1 931+00 and STA W1 932+00	AMTRAK	Impact to Boonton Line	UT-PU-205	
		n/a	Across Track L2, between STA 932+00 and STA W1 933+00 before relieving platform over PSE&G pipes	AMTRAK	Impact to Boonton Line	UT-PU-205	
		n/a	Across Track W1, Track L2, Track L1, We, and future Track L0 between STA 935+00 and STA 937+00	AMTRAK	Impact to Boonton Line	UT-PU-206	
		n/a	Across Track W1, Track L2, Track L1, We, and future Track L0 between STA W1 939+00 and STA W1 941+00	AMTRAK	Impact to Boonton Line	UT-PU-206	
		n/a	Across Track W1, Track L2, Track L1, We, and future Track L0 between STA W1 943+00 and STA 945+00	AMTRAK	Impact to Boonton Line	UT-PU-207	
		n/a	Across Track W1, Track L2, Track L1, We, and future Track L0 between STA W1 947+00 and STA 949+00	AMTRAK	Impact to Boonton Line	UT-PU-207	
		n/a	Across Track W1, Track L3, Track L1, and L0 between STA W1 951+00 and STA 953+00	AMTRAK	Impact to Boonton Line	UT-PU-208	
		n/a	Across Track W1, Track L3, Track L1, and L0 between STA W1 955+00 and STA 957+00	AMTRAK	Impact to Boonton Line	UT-PU-208	
		n/a	Across Track L2 & Track L3 between STA 960+00 and STA 961+00	AMTRAK	Impact to Boonton Line	UT-PU-209	
		n/a	Beside U-structure/Track L3 at STA 971+00 and STA 973+00	AMTRAK	Impact to NEC	UT-PU-210	
		n/a	Beside U-structure/Track L3 from STA L3 975+00 to L3 981+00	AMTRAK	Impact to NEC	UT-PU-211	
		n/a	Across Track W1 between STA W1 876+00 and STA W1 882+00	AMTRAK	Impact to private property and to existing fuel line	UT-PU-215	
	4. Support and protect fuel	10"	Across Track W1 between STA W1 885+00 and STA W1 886+00 before West Side Avenue Bridge	Amerada Hess	Impact to property at the corner of West side Avenue and NJ Transit Morris and Essex Lines	UT-PU-216	
		10"	Across Track W1 between STA W1 891+00 and STA W1 892+00	Amerada Hess	Impact on the NJ Transit Main, Bergen County and Pascack Valley Lines	UT-PU-217	
		10"	Across Track W1 between STA W1 893+00 and STA W1 894+00	Amerada Hess	Impact on the NJ Transit Main, Bergen County and Pascack Valley Lines	UT-PU-217	
	5. Relocate storm sewer pipe	54" corrugated	At bridge over siding track at the southern part of NJ Transit Main, Bergen County and Pascack Valley Lines crossing Track W1 at STA 890+00	Municipal	Impact on the NJ Transit Main, Bergen County and Pascack Valley Lines	UT-PU-217	
		54" corrugated	Across Track W1 between STA W1 906+00 and STA W1 907+00	Municipal	Impact on the NJ Transit Main, Bergen County and Pascack Valley Lines	UT-PU-219	
	2. NJ SURFACE ALIGNMENTS	1. Cap existing water	16"	Across Track S1 and S0, between STA 976+00 and STA 977+00	Municipal	Impact on asphalt parking lot due to cut-and-cover construction	UT-PU-202
		2. Remove existing water and valve	16"	Across Track S1 and S0, between STA 976+00 and STA 977+00	Municipal	Impact on asphalt parking lot due to cut-and-cover construction	UT-PU-202
3. Concrete encased existing storm pipe		Unknown	Across Track S1 and S0, between STA 976+00 and STA 977+00	Municipal	Impact on asphalt parking lot due to cut-and-cover construction	UT-PU-202	

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FEIS PROJECT PACKAGE	SIZE	LOCATION	UTILITY OWNER	POTENTIAL IMPACT	REFERENCE
4. Remove existing electric handhole and ducts	Unknown	Across Track S1 and S0, between STA 976+00 and STA 977+00	PSE&G	Impact on asphalt parking lot and F. Lautenberg Station due to cut-and cover construction	UT-PU-202
	Unknown	Across Track S1 and S0, between STA 978+00 to STA 986+00	PSE&G	Impact on asphalt parking lot and F. Lautenberg Station due to cut-and cover construction	UT-PU-202 to UT-PU-203
5. Support and protect electric line	Unknown	Across Track S1 and S0, between STA 976+00 and STA 977+00	PSE&G	Impact on asphalt parking lot due to cut-and-cover construction	UT-PU-202
6. New electric ducts	TBD	Across Track S1 and S0, between STA 976+00 and STA 977+00	PSE&G	Impact on asphalt parking lot due to cut-and-cover construction	UT-PU-202
	TBD	Between STA 978+00 and STA 983+00	PSE&G	Impact on asphalt parking lot due to cut-and-cover construction	UT-PU-203
	TBD	Outside of U-structure in-between STA 982+00 and STA 983+00	PSE&G	Impact on Seaview Drive due to cut-and-cover construction	UT-PU-203
	TBD	Across Track S1 and S0, between STA 992+00 and STA 993+00	PSE&G	Impact on Seaview Drive due to cut-and-cover construction	UT-PU-204
7. New electric handholes	TBD	Across Track S1 and S0, between STA 978+00 and STA 979+00	PSE&G	Impact on asphalt parking lot and F. Lautenberg Station due to cut-and cover construction	UT-PU-203
	TBD	In-Between Tracks S1 and S0 at STA 980+00 and STA 987+00	PSE&G		UT-PU-204
8. New water line	8"	Across Track S1 and S0, between STA 978+00 and STA 986+00	United Water	Impact on F. Lautenberg Station due to cut-and-cover construction	UT-PU-202 to UT-PU-203
	8"	Across Track S1 and S0 between STA 975+00 and STA 976+00	United Water	Impact on asphalt parking lot due to cut-and-cover construction	UT-PU-202
9. New storm sewer	15"	Across Track S1 and S0, between STA 979+00 and STA 980+00	Municipal	Impact on F. Lautenberg Station due to cut-and-cover construction	UT-PU-203
		Across Track S1 and S0, between STA 985+00 and STA 986+00	Municipal		
10. Remove existing catch basin and storm sewer	15"	Between STA 978+00 and 980+00	Municipal	Impact on asphalt parking lot due to cut-and cover construction & Impact to Track S1 pier and foundation	UT-PU-203
		Between STA 982+00 and 986+00	Municipal	Impact on asphalt parking lot due to cut-and cover construction & Impact to Track S1 pier and foundation	UT-PU-203
11. Remove existing water line	8"	Across Track S1 and S0, between STA 978+00 and STA 986+00	United Water	Impact on asphalt parking lot due to cut-and-cover construction	UT-PU-202 to UT-PU-203
12. New RCP for storm pipe	96"	Approx. 150 linear feet of cut-and-cover construction STA 980+00	Municipal	Impact on F. Lautenberg Station during cut-and-cover construction	UT-PU-203
13. New FH	n/a	Across Track S1 and S0, at STA 982+00	Municipal	Impact on asphalt parking lot due to cut-and-cover construction	UT-PU-203
	n/a	Across Track S1 and S0, at STA 984+00	Municipal	Impact on asphalt parking lot due to cut-and-cover construction	UT-PU-203
14. New storm catch basin and RCP	15"	STA 986+00 at Seaview Drive	Municipal	Impact on Seaview drive due to cut-and-cover construction	UT-PU-203
15. Existing transmission tower to be relocated		Impact to steel girder for Tracks S1 and S0 between STA 997+00 and STA 998+00	AMTRAK	Impact to steel girder, possible power outage and interruption	UT-PU-205
16. New water in steel sleeve	12"	Across S1 between STA 990+00 and 991+00	United Water	Impact to new bridge footing	UT-PU-204
17. New telecommunications conduit	TBD	Impact to steel girder for Tracks S1 and S0 between STA 996+00 and STA 1001+00	Qwest	Possible power outage and interruption	UT-PU-205
18. Support and protect gas line	8"	Across S1 and S0 between STA 990+00 and 991+00	PSE&G	Impact to new bridge footing	UT-PU-204
19. Conc encased elec duct	5-5"	Across S1 between STA 992+00 and 993+00	PSE&G	Impact to bridge pier	UT-PU-204
20. Elec ducts	2-5" and 4-5"	Across S1 between STA 992+00 and 993+00	PSE&G	Impact to bridge pier	UT-PU-204
21. New electric vault	TBD	Across S1 between STA 992+00 and 993+00	PSE&G	Impact to bridge pier	UT-PU-204
22. Remove abandoned vault and electric ducts	4-5"	Across S1 between STA 992+00 and 993+00	PSE&G	Impact to bridge pier	UT-PU-204
23 Relocate light poles	n/a	Between Sta 992+00 and 997+00	Norfolk Southern	Impact to Steel Girder	UT-PU-204
24. Tower relocation and connecting OH electric lines	138 kv	Between Sta 994+00 and 995+00	PSE&G	Impact to Steel Girder	UT-PU-204
25. Support and protect gas line	12"	Across girders for Tracks S1 and S0 between STA 998+00 and STA 999+00	Municipal	Impact to commuters along County Road due to cut-and-cover construction	UT-PU-205
26. New storm pipe	TBD	Location to be determined	Municipal	Impact on private property due to cut-and-cover construction	UT-PU-206 to UT-PU-208
27. Support and protect electric lines	138 kv	Between S1 Sta 997+00 and 998+00	AMTRAK	Impact to steel girder, possible power outage and interruption	UT-PU-205

Table 4.17-A: Existing Utilities - Expected Impacts and Proposed Actions

FEIS PROJECT PACKAGE		SIZE	LOCATION	UTILITY OWNER	POTENTIAL IMPACT	REFERENCE	
	28. Remove elec ducts, manholes, and billboard wiring	varies	Between Sta 1036+00 and 1037+00	PSE&G	Impact on private property due to cut-and-cover construction	UT-PU-209	
	29. Connect new elec ducts to existing	TBD	Between Sta 1036+00 and 1037+00	PSE&G	Impact on private property due to cut-and-cover construction	UT-PU-209	
	30. Relocate Utility pole and Elec cables	varies	Between Sta 1036+00 and 1037+00	PSE&G	Impact on private property due to cut-and-cover construction	UT-PU-209	
	31. Support and protect water lines	16" and 20" 8" and 16"	Across girders for Tracks S1 and S0 between STA 998+00 and STA 999+00	United Water	Impact to commuters along County Road due to cut-and-cover construction	UT-PU-205	
			At Secaucus Road underneath Secaucus Viaduct, between STA 1036+00 and STA 1037+00	United Water	Impact to Secaucus Road due to cut-and-cover construction	UT-PU-209	
	32. Support and protect sewer line	Unknown	Between Sta 1036+00 and 1037+00	Municipal	Impact to Secaucus Road due to cut-and-cover construction	UT-PU-209	
33. Protect water main	2 - 72"	Between Sta 997+60 and 996+00	Jersey City Municipal Utilities Authority	Possible impact during construction	UT-PU-204		
3. PALISADES TUNNEL	1. Protect telephone cable line	Unknown	Across Tracks P1 and P0 between Sta 1084+00 and 1085+00	AT&T	Impact to conrail tracks due to cut-and-cover	UT-PU-206	
	2. Protect FOC	Unknown	Across Tracks P1 and P0 between Sta 1083+00 and 1084+00	To Be Verified	Impact due to cut-and-cover construction	UT-PU-206	
	3. Protect 30" Force Main	30"	Across Tracks P1 and P0 between Sta 1083+00 and 1084+00	Municipal	Impact to Tonnelle Avenue due to cut-and-cover construction	UT-PU-206	
	4. Support and protect existing Storm Sewer and inlet	15" RCP and type B inlet	Across Tracks P1 and P0 between Sta 1088+00 and 1090+00	Municipal	Impact to Tonnelle Avenue due to cut-and-cover construction	UT-EU-106	
	5. Support and protect existing Water	12" D P	Across Tracks P1 and P0 between Sta 1088+00 and 1090+00	United Water	Impact to Tonnelle Avenue due to cut-and-cover construction	UT-EU-106	
	6. Support and protect existing Storm Sewer	15" RCP	Across Tracks P1 and P0 between Sta 1088+00 and 1090+00	Municipal	Impact to Tonnelle Avenue due to cut-and-cover construction	UT-EU-107	
	7. Support and protect existing Sanitary Sewer	24" CI	Across Tracks P1 and P0 between Sta 1088+00 and 1090+00	Municipal	Impact to Tonnelle Avenue due to cut-and-cover construction	UT-EU-107	
	8. Protect existing Overhead Tele	Unknown	Across Tracks P1 and P0 between Sta 1088+00 and 1090+00	To Be Verified	Impact to Tonnelle Avenue due to cut-and-cover construction	UT-EU-107	
	9. Support and protect existing Gas	24" Steel pipe	Across Tracks P1 and P0 between Sta 1088+00 and 1090+00	PSE&G	Impact to Tonnelle Avenue due to cut-and-cover construction	UT-EU-107	
	10. Support and protect existing 12" Water	12"	Across Tracks P1 and P0 between Sta 1088+00 and 1090+00	To Be Verified	Impact to Tonnelle Avenue due to cut-and-cover construction	UT-EU-107	
	11. ITS Conduit	4"	Across Tracks P1 and P0 between Sta 1088+00 and 1090+00	NJDOT	Impact to Tonnelle Avenue due to cut-and-cover construction	ITS PLAN	
	4. HUDSON RIVER TUNNEL	1. Relocate sewer and manhole	18" and 24"	Between P1 Sta 1143+00 and 1146+00	Municipal	Impacts to proposed tunnel shaft	UT-PU-201
		2. New electrical manhole and pressure relief manhole	TBD	12th Avenue, between 28th and 29th Street Sta 1143+00 and 1146+00	NJ TRANSIT	Impact to vehicular traffic flow and pedestrian traffic on adjacent sidewalk along the north bound lane of 12th Avenue during cut-and-cover construction	UT-PU-202
	5. MANHATTAN TUNNELS	1. New electrical manhole and pressure relief manhole	TBD	12th Avenue, between 28th and 29th Street	NJ TRANSIT	Impact to vehicular traffic flow and pedestrian traffic on adjacent sidewalk along the north bound lane of 12th Avenue during cut-and-cover construction	UT-PU-201
2. New sewer		18" RCCP	12th Avenue, between 28th and 29th Street	NJ TRANSIT	Impact to vehicular traffic flow and pedestrian traffic on adjacent sidewalk along the north bound lane of 12th Avenue during cut-and-cover construction	UT-PU-201	
3. New electrical manhole and pressure relief manhole		TBD	33rd Street between Dyer and 9th Avenue	NJ TRANSIT	Impact to vehicular traffic flow along 33rd St and pedestrian traffic on northern sidewalk during cut-and-cover construction	UT-PU-203	
4. New sewer		18" RCCP	33rd Street between Dyer and 9th Avenue	NJ TRANSIT	Impact to vehicular traffic flow along 33rd St and pedestrian traffic on northern sidewalk during cut-and-cover construction	UT-PU-203	
6. NY PENN STATION	8th Avenue Entrance						
	1. Support and protect existing sewer	42"	Along sidewalk adjacent to 8th Avenue north bound	NY DEP	Impact to pedestrians using sidewalk during cut-and-cover construction	UT-CS-131	
	2. Support and protect telecommunications line	32-3 1/2"	Along sidewalk adjacent to 8th Avenue Northbound	Empire City Subway	Impact to pedestrians using sidewalk during cut-and-cover construction	UT-CS-171	
	3. Support and protect water line and hydrant	12"	Along 34th Street Eastbound	NY DEP	Impact to commuter and vehicle traffic flow along 34th Street. Also impact to pedestrian using the south sidewalk of 34th St. during cut-and-cover construction.	UT-CS-171	

Table 4.17-A: Existing Utilities - Expected Impacts and Proposed Actions

FEIS PROJECT PACKAGE		SIZE	LOCATION	UTILITY OWNER	POTENTIAL IMPACT	REFERENCE
	4. Support and protect electric	1 to 2 conduit ducts	Along 34th Street Eastbound	Empire City Subway	Impact to commuter and vehicle traffic flow along 34th Street. Also impact to pedestrian using the south sidewalk of 34th St. during cut-and-cover construction.	UT-CS-171
	5. Support and protect telecommunication lines	1 to 14 conduit ducts	Along 34th Street Eastbound	Empire City Subway	Impact to commuter and vehicle traffic flow along 34th Street. Also impact to pedestrian using the south sidewalk of 34th St. during cut-and-cover construction.	UT-CS-171
	7th Avenue Entrance					
	1. Relocate sewer line	12" and 48"	West of intersection of 7th Ave. and 34th Street	NY DEP	Impact to commuter and vehicle traffic flow along 34th Street. Also impact to pedestrian using the north sidewalk of 34th St. during cut-and-cover construction.	UT-CS-222
	2. Support and protect existing water line	12"	West of intersection of 7th Ave. and 34th Street, approx. 20' x 60' of cut-and-cover construction.	NY DEP	Impact to commuter and vehicle traffic flow along 34th Street. Also impact to pedestrians using the south sidewalk of 34th St. during cut-and-cover construction.	UT-CS-232
	3. Support and protect existing gas line	8"	West of intersection of 7th Ave. and 34th Street, approx. 20' x 40' of cut-and-cover construction.	Con Edison Corp	Impact to commuter and vehicle traffic flow along 34th Street. Also impact to pedestrian using the south sidewalk of 34th St. during cut-and-cover construction.	UT-CS-242
	4. Support and protect existing steam line	12"	West of intersection of 7th Ave. and 34th Street	Con Edison Corp	Impact to commuter and vehicle traffic flow along 34th St. during cut-and-cover construction	UT-CS-252
	5. Support and protect existing elec. line	varies	West of intersection of 7th Ave. and 34th Street	Con Edison Corp	Impact to commuter and vehicle traffic flow along 34th Street. Also impact to pedestrian using the south sidewalk of 34th St. during cut-and-cover construction.	UT-CS-262
	6. Support and protect existing ECS line	varies	West of intersection of 7th Ave. and 34th Street	Empire City Subway	Impact to commuter and vehicle traffic flow along 34th Street. Also impact to pedestrian using the north and south sidewalk of 34th St. during cut-and-cover construction.	UT-CS-272
	6th Avenue Entrance					
	1. Relocated sewer lines and manholes	30" RCCP	West of intersection of Broadway and 34th St., approx. 90' of cut-and-cover construction	NY DEP	Impact to commuter and vehicle traffic flow along 34th St. during cut-and-cover construction	UT-CS-323
	2. Replaced water and HPFS lines and hydrants	12"	West of intersection of Broadway and 34th St., approx. 200 linear feet of cut-and-cover construction	NY DEP	Impact to commuter and vehicle traffic flow along 34th St. during cut-and-cover construction	UT-CS-333
	3. Support and protect Gas line	8"	West of intersection of Broadway and 34th St., approx. 180 linear feet of cut-and-cover construction	Con Edison Corp	Impact to commuter and vehicle traffic flow along 34th St. during cut-and-cover construction	UT-CS-343
	4. Relocated steam lines and manholes	12"	South side of 34th st., along the east towards Broadway approx. 240 linear feet of cut-and-cover construction	Con Edison Corp	Impact to commuter and vehicle traffic flow along south side of 34th St. during cut-and-cover construction	UT-CS-353
	5. New electric lines and manholes	varies	Along 34th St., within the limits of approx. 550 feet along 34th St within and beyond cut-and-cover and 350 feet along Broadway	Con Edison Corp	Impact to commuter and vehicle traffic flow along south side of 34th St.	UT-CS-363
	6. New ECS lines and manhole	varies	Along 34th St., approx. 400 linear feet of cut-and-cover construction	Empire City Subway	Impact to commuter and vehicle traffic flow along south side of 34th St.	UT-CS-373
7. KEARNY YARD	1. Relocate underground electric lines	Unknown	Across tracks WT, Y1, Y2, Y3, Y4, WT and YL1, between STA 18+61 and STA WT 50+00	UNKNOWN	Impact to proposed yard tracks	