



Activity ID	Activity Name	Original Duration	Total Float	Early Start	Early Finish	2015												2016												2017												2018												2019																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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A3890	Place walk-way concrete & cure (1)	15	3	03-Aug-17	31-Aug-17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
A3870	Steel curb, w/angles & reinforcement	15	3	03-Aug-17	31-Aug-17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
A3920	Reinforcement & water stops	15	53	31-Aug-17	02-Oct-17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
A3930	Place walk-way concrete & cure (2)	15	13	24-Nov-17	19-Dec-17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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A3950	Install polymer panels	30	98	19-Dec-17	23-Feb-18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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A4440	Install railing (inc. x-passages)	23	150	19-Dec-17	06-Feb-18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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A4430	New ceramic tiles	60	91	31-Jan-18	30-May-18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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A5850	Core drilling	55	3	25-Aug-17	12-Dec-17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
A6000	Duct-banks, power cables & conduits & taps	45	3	31-Aug-17	30-Nov-17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
A5250	Duct bank splice chambers	45	3	13-Sep-17	12-Dec-17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
A7050	Way-finding conduit & wiring	30	91	30-Nov-17	31-Jan-18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
A5190	New E-box installation	45	3	12-Dec-17	13-Mar-18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
A6920	Way-finding lights	30	98	19-Dec-17	23-Feb-18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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A3530	Install new RGS feeders (FAD/CATWALK)	65	58	29-Apr-17	24-Aug-17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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A4030	Replace LUS signage	30	34	29-Jan-18	28-Mar-18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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A4330	Luminance detection cameras	30	88	11-Apr-18	11-Jun-18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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A4100	Mill-out pavement	2	131	30-May-18	31-May-18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
A4110	Resurface roadway	2	131	30-May-18	31-May-18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
A5220	Striping	2	131	30-May-18	01-Jun-18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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A7210	3 mo. Trial Period Leak Repair	65	34	25-Feb-15	28-May-15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
A7220	WP Monitoring period	253	161	26-Aug-15	26-Aug-16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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A1190	Demolition cathodic protection system	9	258	25-Feb-15	17-Mar-15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

▬ Remaining Level of Effort ▬ Remaining Work ▬ Summary
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Activity ID	Activity Name	Original Duration	Total Float	Early Start	Early Finish	2015												2016												2017												2018												2019											
						N	D	J	F	M	A	M	J	J	A	S	O	N	D	N	D	J	F	M	A	M	J	J	A	S	O	N	D	N	D	J	F	M	A	M	J	J	A	S	O	N	D	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	
A3660	Power wash for chlorides	30	15	25-Feb-15	20-Apr-15	Power wash for chlorides																																																											
A3650	Demolition all lighting and branch wiring	0	34	28-Dec-17	28-Dec-17	Demolition all lighting and b																																																											
EAD Repairs						EAD Re																																																											
Exhaust Air Duct						Exhaus																																																											
General Requirements						Genera																																																											
A7280	3 mo. Trial Period Leak Repair	65	12	12-Apr-17	14-Jul-17	3 mo. Trial Period Leak Repair																																																											
A7290	WP Monitoring period	258	13	10-Nov-17	14-Nov-18	WP Mon																																																											
Concrete						Concrete																																																											
A4220	EAD structural concrete repair: floor	40	9	14-Jul-17	29-Sep-17	EAD structural concrete repair: fl																																																											
A4230	Repair cracking & spalling: floor	60	9	14-Jul-17	10-Nov-17	Repair cracking & spalling: floo																																																											
Carpentry						Carpentry																																																											
A4270	Repairs to hanging-system	30	94	01-Aug-17	28-Sep-17	Repairs to hanging-system																																																											
Thermal & Moisture						Thermal & Moisture																																																											
A4120	EAD active & inactive crack chasing	40	9	14-Jul-17	28-Sep-17	EAD active & inactive crack chas																																																											
HVAC						HVAC																																																											
A4260	Repair exhaust air ports and frames	30	34	01-Aug-17	28-Sep-17	Repair exhaust air ports and fram																																																											
Electrical						Electrical																																																											
A3790	New branch wiring	45	34	30-Aug-17	29-Nov-17	New branch wiring																																																											
A4250	Reinstall lighting fixtures	45	34	28-Sep-17	28-Dec-17	Reinstall lighting fixtures																																																											
Communication						Comm																																																											
E/W						E/W																																																											
Bench Testing						Bench Testing																																																											
General						General																																																											
Comm Systems						Comm Systems																																																											
A3490	System Bench Tests TSCS	135	126	29-Jun-15	08-Jan-16	System Bench Tests TSCS																																																											
A6840	System Bench Tests VMS	135	106	17-Aug-15	02-Mar-16	System Bench Tests VMS																																																											
A6850	System Bench Tests LUS	135	136	17-Aug-15	02-Mar-16	System Bench Tests LUS																																																											
TSCS Loop B Switch-over						TSCS: Loop B Switch-over																																																											
General						General																																																											
Electrical						Electrical																																																											
A4170	Replace Loop B MMFO and test: TSCSB	60	5	26-Jul-15	30-Oct-15	Replace Loop B: MMFO and test: TSCSB																																																											
A4280	Splice Loop B into BVB/BSB patch panels: TSCSB	30	5	30-Oct-15	20-Dec-15	Splice Loop B into BVB/BSB patch panels: TSCSB																																																											
A4290	Continuity testing: TSCSB	30	5	23-Nov-15	19-Jan-16	Continuity testing: TSCSB																																																											
TSCS Loop A Switch-over						TSCS: Loop A Switch-over																																																											
General						General																																																											
Comm Systems						Comm Systems																																																											
A6580	Replace Loop A MMFO and test: TSCSA	60	5	19-Jan-16	23-Apr-16	Replace Loop A MMFO and test: TSCSA																																																											
A6590	Splice Loop A into BVB/BSB patch panels: TSCSA	30	5	23-Apr-16	07-Jun-16	Splice Loop A into BVB/BSB patch panels: TSCSA																																																											
A6600	Continuity testing: TSCSA	30	5	16-May-16	27-Jun-16	Continuity testing: TSCSA																																																											
Video Surveillance Switch-over						Video Surveillance Switch-over																																																											
Fresh Air Duct						Fresh Air Duct																																																											
Comm Systems						Comm Systems																																																											
A6610	Connect temp FO at camera modem and patch panels	30	172	21-Jul-15	31-Aug-15	Connect temp FO at camera modem and patch panels																																																											
Siemens Scalance Ethernet Loop B Switch-over						Siemens Scalance Ethernet Loop B Switch-over																																																											

▶ Remaining Level of Effort
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 ▶ Summary
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Activity ID	Activity Name	Original Duration	Total Float	Early Start	Early Finish	2015												2016												2017												2018												2019											
						N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M																			
Fresh Air Duct						Fresh Air Duct																																																											
Comm Systems						Comm Systems																																																											
A6620	Replace Siemens Loop B SMFO: SiemensB	60	125	17-Aug-15	21-Nov-15	Replace Siemens Loop B SMFO: SiemensB																																																											
A6630	Splice Temp. E-Net FO: SiemensB	30	125	21-Nov-15	06-Jan-16	Splice Temp. E-Net FO: SiemensB																																																											
A6640	Continuity testing: SiemensB	30	125	16-Dec-15	31-Jan-16	Continuity testing: SiemensB																																																											
Siemens Scalance Ethernet Loop A Switch-over						Siemens Scalance Ethernet Loop A Switch-over																																																											
Fresh Air Duct						Fresh Air Duct																																																											
Comm Systems						Comm Systems																																																											
A6650	Replace Siemens Loop A SMFO: SiemensA	60	125	31-Jan-16	04-May-16	Replace Siemens Loop A SMFO: SiemensA																																																											
A6660	Splice Temp. E-Net FO: SiemensA	30	125	04-May-16	25-Jun-16	Splice Temp. E-Net FO: SiemensA																																																											
A6670	Continuity testing: SiemensA	30	125	29-May-16	20-Jul-16	Continuity testing: SiemensA																																																											
TD, ISD, Vent Buildings Switch-over						TD, ISD, Vent Buildings Switch-over																																																											
General						General																																																											
Comm Systems						Comm Systems																																																											
A4300	Replace SMFO for TD/ISD	60	80	17-Aug-15	21-Nov-15	Replace SMFO for TD/ISD																																																											
A4310	Splice TD/ISD connections	30	80	21-Nov-15	06-Jan-16	Splice TD/ISD connections																																																											
A6680	Continuity testing: TD/ISD	30	80	16-Dec-15	31-Jan-16	Continuity testing: TD/ISD																																																											
Verizon Switch-over						Verizon Switch-over																																																											
General						General																																																											
Comm Systems						Comm Systems																																																											
A6690	Replace SMFO for Verizon	60	80	17-Aug-15	21-Nov-15	Replace SMFO for Verizon																																																											
A6700	Splice Verizon connections	30	80	21-Nov-15	06-Jan-16	Splice Verizon connections																																																											
A6710	Continuity testing: Verizon	30	80	16-Dec-15	31-Jan-16	Continuity testing: Verizon																																																											
East						East																																																											
Milestones						Milestones																																																											
General						General																																																											
Comm Systems						Comm Systems																																																											
A6570	Continuity testing of temp FO: east	30	3	18-Jun-15	30-Jul-15	Continuity testing of temp FO: east																																																											
A2040	Systems Integration complete: east	0	3		12-Apr-17	Systems Integration complete: east																																																											
Temp. FO Distribution						Temp. FO Distribution																																																											
Fresh Air Duct						Fresh Air Duct																																																											
Electrical						Electrical																																																											
A1070	Temp. SMFO for CCTV	38	3	21-May-15	21-Jul-15	Temp. SMFO for CCTV																																																											
A2270	Temp. MMFO for TSCS	38	3	21-May-15	21-Jul-15	Temp. MMFO for TSCS																																																											
A3140	Temp. SMFO for TVCS	38	3	21-May-15	21-Jul-15	Temp. SMFO for TVCS																																																											
A1100	Temp. SMFO for Tech. & ISD	38	3	21-May-15	21-Jul-15	Temp. SMFO for Tech. & ISD																																																											
A6560	Temp. SMFO for Verizon	38	3	21-May-15	21-Jul-15	Temp. SMFO for Verizon																																																											
A1110	Temp. FO Terminations	38	3	30-May-15	26-Jul-15	Temp. FO Terminations																																																											
Communications						Communications																																																											
General						General																																																											
Comm Systems						Comm Systems																																																											
A3520	Install building VOIP & E-box	60	118	24-Apr-16	31-Jul-16	Install building VOIP & E-box																																																											
A3590	Install access control	60	163	24-Apr-16	31-Jul-16	Install access control																																																											
A1610	Test & Commission VMS, LUS, TSCS & CCTV	60	48	16-Aug-16	19-Nov-16	Test & Commission VMS, LUS, TSCS & CCTV																																																											



Activity ID	Activity Name	Original Duration	Total Float	Early Start	Early Finish	2015												2016												2017												2018												2019											
						N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M																			
General						General																																																											
Electrical						Electrical																																																											
A3150	Install new RGS feeders	60	22	05-Mar-15	29-May-15	Install new RGS feeders																																																											
A6880	New power & lighting panels	60	22	29-May-15	21-Aug-15	New power & lighting panels																																																											
A2330	Install new cabling	60	22	21-Aug-15	18-Nov-15	Install new cabling																																																											
Communications						Communications																																																											
General						General																																																											
Existing Conditions						Existing Conditions																																																											
A2320	Demolish conduit, cabling, & equipment	30	91	03-Oct-16	20-Nov-16	Demolish conduit, cabling, & equipment																																																											
Comm Systems						Comm Systems																																																											
A3300	Patch panels: BSB	60	45	27-Jul-15	20-Oct-15	Patch panels: BSB																																																											
A1120	FO core switches	60	61	21-Oct-15	15-Jan-16	FO core switches																																																											
A1620	WinCC & Barco systems	60	24	27-Jun-16	20-Sep-16	WinCC & Barco systems																																																											
A2570	CCTV Networks	60	24	27-Jun-16	20-Sep-16	CCTV Networks																																																											
A3180	Testing & Commissioning: CCTV/WinCC & Barco	60	16	27-Jun-16	03-Oct-16	Testing & Commissioning: CCTV/WinCC & Barco																																																											
A2350	Programming: CCTV/WinCC & Barco	60	16	03-Oct-16	06-Jan-17	Programming: CCTV/WinCC & Barco																																																											
TSCS						TSCS																																																											
General						General																																																											
Comm Systems						Comm Systems																																																											
A3080	TSCS Wiring	60	61	19-Jan-16	12-Apr-16	TSCS Wiring																																																											
A2610	Install TSCS	60	8	27-Jun-16	21-Sep-16	Install TSCS																																																											
A3100	Testing & Commissioning: TSCS	60	8	09-Aug-16	03-Nov-16	Testing & Commissioning: TSCS																																																											
A3090	TSCS Programming	60	8	03-Nov-16	31-Jan-17	TSCS Programming																																																											
TVCS						TVCS																																																											
General						General																																																											
Comm Systems						Comm Systems																																																											
A2830	TVCS Wiring	60	40	18-Nov-15	31-Dec-15	TVCS Wiring																																																											
A2620	Install new TVCS	60	21	04-Jan-16	29-Mar-16	Install new TVCS																																																											
A2340	Testing & Commissioning: TVCS	60	107	02-Jun-16	08-Sep-16	Testing & Commissioning: TVCS																																																											
A3400	TVCS programming	30	107	09-Sep-16	29-Oct-16	TVCS programming																																																											
Brooklyn Ventilation Building						Brooklyn Ventilation Building																																																											
+Grade						+Grade																																																											
Building Infrastructure						Building Infrastructure																																																											
General						General																																																											
Existing Conditions						Existing Conditions																																																											
A2670	Demolish fire standpipe & riser system	30	123	08-Aug-16	20-Sep-16	Demolish fire standpipe & riser system																																																											
A2430	Demolish existing MDP,s, DPs, MCCs, DPCs & wiring	23	95	31-Oct-16	02-Dec-16	Demolish existing MDP,s, DPs, MCCs, DPCs & w																																																											
A3170	Demolish conduit, wiring, & equipment	30	85	02-Nov-16	16-Dec-16	Demolish conduit, wiring, & equipment																																																											
A3190	Demolish FACPs	10	105	02-Nov-16	17-Nov-16	Demolish FACPs																																																											
Concrete						Concrete																																																											
A1960	Concrete repair	45	116	11-Feb-15	16-Apr-15	Concrete repair																																																											
Fire Suppression						Fire Suppression																																																											
A2680	Install new fire standpipes & risers	60	139	16-Apr-15	10-Jul-15	Install new fire standpipes & risers																																																											
Electrical						Electrical																																																											



Activity ID	Activity Name	Original Duration	Total Float	Early Start	Early Finish	2015												2016												2017												2018												2019											
						N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M							
Comm Systems																																																																	
A2640	Install TSCS	60	15	27-Jun-16	21-Sep-16																																																												
A3450	Testing & Commissioning: TSCS	60	15	09-Aug-16	03-Nov-16																																																												
A3540	Program TSCS	45	16	04-Nov-16	19-Jan-17																																																												
Manhattan Plaza																																																																	
+Grade																																																																	
Communications																																																																	
Roadway																																																																	
Comm Systems																																																																	
A5150	Cellular Structure	60	18	28-Jun-18	28-Oct-18																																																												

█ Remaining Level of Effort
 █ Remaining Work
 ▾ Summary
█ Actual Level of Effort
 █ Critical Remaining Work
█ Actual Work
 ◆ Milestone