

# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
<b>TUNNELS, BRIDGES &amp; TERMINALS</b>					
<b>GEORGE WASHINGTON BRIDGE</b>					
CB04-258	IMPLEMENTATION OF FORT LEE STREET IMPROVEMENTS	Deliver	Construction	Paving & Roadways	\$ 1,594
CB04-260	REPLACEMENT OF TOLL COLLECTION SYSTEM	Renew	Construction	Control Systems	4,670
CB04-312	UPGRADE/REPLACEMENT OF SIGNS AND FIELD DEVICES	Renew	Design	Control Systems	2,578
CB04-318	UPGRADE OF ACCESS CONTROL SYSTEM	Deliver	Construction	Control Systems	1,600
CB04-328	UPGRADE OF FLAG HOIST SYSTEM ACCESS	Renew	Planning	Bridges	52
CB04-333	REHABILITATION OF FACILITY STEEL AND CONCRETE	Deliver	Construction	Bridges	70
CB04-357	UPGRADE OF 800MHZ SIMULCAST TRUNKED RADIO SYSTEM	Deliver	Multiple	Control Systems	963
CB04-359	REHABILITATION OF SANITARY SEWER AT ADMIN BLDG PARKING LOT	Renew	Design	HVAC, Plumbing & Sprinklers	1,195
CB04-361	REHABILITATION OF FACILITY WIDE PRIORITY AREAS	Deliver	Construction	Bridges	6,828
CB04-377	UPGRADE OF INTEGRATED TOLL COLLECTION SYSTEM	Deliver	Construction	Control Systems	7,090
CB04-379	INSTALLATION OF AGENCY-WIDE TRANSPORTATION MANAGEMENT SOFTWARE	Renew	Design	Control Systems	907
CB04-382	IMPLEMENTATION OF LANDSCAPE IMPROVEMENTS BRUCE REYNOLDS BOULEVARD	Deliver	Construction	Paving & Roadways	200
CB04-383	REHABILITATION OF LOW VOLTAGE POWER DISTRIBUTION SYSTEM	Renew	Design	Electrical Power & Lighting	388
CB04-384	REPLACEMENT OF AUTOMATIC TRANSFER SWITCHES	Renew	Design	Electrical Power & Lighting	186
CB04-390	REPLACEMENT OF ELECTRICAL FEEDER (PHASE II)	Renew	Planning	Electrical Power & Lighting	2,217
CB04-391	INSTALLATION OF PEDESTRIAN SAFETY FENCING ON VARIOUS PARAPETS	Renew	Planning	Bridges	703
<b>RESTORING THE GEORGE PROGRAM</b>					
CB04-132	REHABILITATION OF UNDERSIDE OF LOWER LEVEL STRUCTURE, PRIORITY STEEL REPAIR	Renew	Multiple	Bridges	8,299
CB04-261	REHABILITATION OF UPPER LEVEL SPAN OVER NJ ANCHORAGE AND HUDSON TERRACE	Deliver	Construction	Bridges	13,061
CB04-272	REHABILITATION OF NY/NJ ANCHOR MAIN CABLE STRANDS	Deliver	Construction	Bridges	1,100
CB04-276	REHABILITATION OF 178TH & 179TH STREET RAMPS, BUS RAMPS, AND BUS TURNAROUND	Renew	Design	Bridges	3,354
CB04-285	REPLACEMENT OF THE PALISADES INTERSTATE PARKWAY HELIX	Deliver	Construction	Bridges	25,372
CB04-288	REPLACEMENT OF MEDIAN BARRIERS AND TRAFFIC SAFETY IMPROVEMENTS	Renew	Design	Paving & Roadways	1,229
CB04-300	REPLACEMENT OF PAVEMENT FOR THE LOWER LEVEL EAST BOUND MAIN SPAN, APPROACH & RAMPS	Deliver	Construction	Paving & Roadways	50
CB04-317	REHABILITATION OF CENTER AVE BRIDGE AND LEMOINE AVE BRIDGE	Renew	Design	Bridges	1,982
CB04-319	REPLACEMENT OF SUSPENDER ROPES AND REHABILITATION OF MAIN CABLES	Renew	Design	Bridges	52,280
CB04-336	REHABILITATION OF TRANSMANHATTAN EXPRESSWAY OVERPASSES (PHASE 1)	Renew	Planning	Bridges	1,135

# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
CB04-362	REPAVING OF EASTBOUND UPPER LEVEL	Renew	Design	Paving & Roadways	498
CB04-380	REHABILITATION OF BRIDGE MAIN SPAN UPPER LEVEL STRUCTURAL STEEL REHABILITATION (PHASE II)	Renew	Planning	Bridges	2,194
CB04-EXP	PROVISION FOR EFFICIENCY AND PHASING - RESTORE THE GEORGE PROGRAM	Renew	Construction	Structure Rehabilitation	(12,000)
<b>RESTORING THE GEORGE PROGRAM, Subtotal</b>					<b>98,554</b>
<b>SECURITY PROGRAM</b>					
CB04-351	ACCESS RAMP BARRIER UPGRADES	Renew	Construction	Paving & Roadways	1,084
CB04-375	MAIN CABLE PROTECTION	Renew	Design	Bridges	55
<b>SECURITY PROGRAM, Subtotal</b>					<b>1,140</b>
<b>GEORGE WASHINGTON BRIDGE, Subtotal</b>					<b>130,933</b>
<b>HOLLAND TUNNEL</b>					
CB02-040	REHABILITATION OF TUNNEL VENTILATION SYSTEM - MECHANICAL AND ELECTRICAL	Deliver	Construction	HVAC, Plumbing & Sprinklers	13,447
CB02-123	REPLACEMENT OF PIER 9 AND PIER 204	Deliver	Multiple	Port Wharfs	3,724
CB02-156	REPLACEMENT OF SUPERVISORY CONTROL SYSTEM	Renew	Planning	Control Systems	2,433
CB02-162	REPLACEMENT OF FLOOR DRAINS AND PIPING OF 4 VENT BLDGS	Deliver	Construction	HVAC, Plumbing & Sprinklers	60
CB02-166	REPLACEMENT OF HVAC SYSTEM AT ADMINISTRATION AND SERVICE BUILDINGS	Deliver	Construction	HVAC, Plumbing & Sprinklers	30
CB02-175	REPLACEMENT OF BULKHEAD DOORS IN VENTILATION BUILDINGS	Renew	Design	Buildings & Garages	245
CB02-180	REHABILITATION OF STAIR IN NEW YORK RIVER VENTILATION BUILDINGS	Deliver	Construction	Buildings & Garages	30
CB02-184	ENHANCEMENT OF ACCESS CONTROL SYSTEM	Deliver	Construction	Control Systems	400
CB02-193	REHABILITATION OF CONCRETE AND STEEL	Renew	Planning	Tunnels	568
CB02-195	REHABILITATION OF SUPPLY BLOWER PORTS	Deliver	Construction	Tunnels	3,733
CB02-196	REHABILITATION OF EVASE STACKS ON VENTILATION BUILDINGS	Renew	Planning	Buildings & Garages	378
CB02-202	REPLACEMENT OF TOLL COLLECTION SYSTEM	Renew	Construction	Control Systems	1,380
CB02-205	UPGRADE OF 800 MHZ SIMULCAST TRUNKED RADIO SYSTEM	Deliver	Multiple	Control Systems	911
CB02-207	REHABILITATION OF BRONZE DOORS AT SPRING STREET	Renew	Design	Buildings & Garages	296
CB02-213	MITIGATION OF WATER LEAKAGE AT VENTILATION DUCTS AND MID-RIVER PUMP ROOM	Renew	Construction	Tunnels	2,510
CB02-217	REPLACEMENT OF ROOF AND PARAPET AT NEW YORK EMERGENCY GARAGE	Renew	Design	Buildings & Garages	824
CB02-220	INSTALLATION OF ADDITIONAL SUPERVISORY CONTROL AT MID- RIVER PUMP ROOM	Renew	Design	Control Systems	191
CB02-223	INSTALLATION OF ADDITIONAL MEANS OF EGRESS FOR NJ ADMINISTRATION BUILDING	Renew	Design	Buildings & Garages	514
CB02-224	UPGRADE OF INTEGRATED TOLL COLLECTION SYSTEM	Deliver	Construction	Control Systems	2,951

# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
CB02-227	INSTALLATION OF AGENCY-WIDE TRANSPORTATION MANAGEMENT SOFTWARE	Renew	Design	Control Systems	492
CB02-228	INSTALLATION OF EVASE STACK INSPECTION STRUCTURES	Renew	Design	Buildings & Garages	298
<b>SANDY PROGRAM</b>					
CB02-225	MITIGATION OF LATENT SALT DAMAGE TO MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS	Partner	Design	Electrical Power & Lighting	1,235
CB02-226	MITIGATION OF LATENT SALT DAMAGE	Partner	Design	Electrical Power & Lighting	1,199
<b>SANDY PROGRAM, Subtotal</b>					<b>2,434</b>
<b>SECURITY PROGRAM</b>					
CB02-200	WATERSIDE BUFFER ZONE PROTECTION	Renew	Construction	Buildings & Garages	876
<b>SECURITY PROGRAM, Subtotal</b>					<b>876</b>
<b>HOLLAND TUNNEL, Subtotal</b>					<b>38,725</b>
<b>LINCOLN TUNNEL</b>					
CB03-093	REPAINTING OF TUNNEL VENTILATION FANS	Deliver	Construction	HVAC, Plumbing & Sprinklers	1,439
CB03-231	REPLACEMENT OF VENTILATION LOUVERS IN NEW YORK VENTILATION BUILDINGS	Deliver	Construction	HVAC, Plumbing & Sprinklers	1,000
CB03-252	UPGRADE OF ACCESS CONTROL SYSTEM	Deliver	Construction	Control Systems	100
CB03-262	REPLACEMENT OF TOLL COLLECTION SYSTEM	Renew	Construction	Control Systems	2,160
CB03-264	REPLACEMENT OF HVAC SYSTEM AT ADMINISTRATION BUILDING - PHASE II	Renew	Design	HVAC, Plumbing & Sprinklers	902
CB03-266	UPGRADE OF 800 MHZ SIMULCAST TRUNKED RADIO SYSTEM	Deliver	Multiple	Control Systems	922
CB03-274	REPLACEMENT OF ABOVE-GROUND STORAGE TANKS	Renew	Construction	HVAC, Plumbing & Sprinklers	806
CB03-276	REPLACEMENT OF SCADA SYSTEM	Renew	Planning	Control Systems	273
CB03-278	INSTALLATION AND REPLACEMENT OF OVERHEIGHT STRUCTURES AND DETECTORS AT NEW YORK ENTRANCE	Renew	Design	Control Systems	2,451
CB03-280	REPLACEMENT OF CURB PLATES IN THE NORTH AND SOUTH TUBES	Deliver	Construction	Paving & Roadways	40
CB03-284	UPGRADE OF INTEGRATED TOLL COLLECTION SYSTEM	Deliver	Construction	Control Systems	3,559
CB03-287	UPGRADE OF EXPRESS BUS LANE SIGNALS	Deliver	Construction	Electrical Power & Lighting	1,000
CB03-290	INSTALLATION OF AGENCY-WIDE TRANSPORTATION MANAGEMENT SOFTWARE	Renew	Design	Control Systems	505
CB03-291	REHABILITATION AND RELOCATION OF LINCOLN TUNNEL HELIX GUIDERAIL AND MANHOLE COVER - PRIORITY REHABILITATION	Renew	Design	Paving & Roadways	161

# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
CB03-297	REPLACEMENT OF SIGNALS AT EASTBOUND 495 APPROACH	Renew	Design	Paving & Roadways	408
<b>LINCOLN TUNNEL ACCESS PROGRAM</b>					
CB03-267	REHABILITATION OF PULASKI SKYWAY	Deliver	Multiple	Bridges	140,305
CB03-268	REPLACEMENT OF ROUTE 7 WITTPENN BRIDGE	Deliver	Multiple	Bridges	100,216
CB03-269	REPLACEMENT OF ROUTE 1 AND 9	Expand & Connect	Planning/Design	Paving & Roadways	20,023
<b>LINCOLN TUNNEL ACCESS PROGRAM, Subtotal</b>					<b>260,544</b>
<b>LINCOLN TUNNEL HELIX REPLACEMENT</b>					
CB03-213	REPLACEMENT OF HELIX (PLANNING)	Renew	Planning	Paving & Roadways	6,161
<b>LINCOLN TUNNEL HELIX REPLACEMENT, Subtotal</b>					<b>6,161</b>
<b>SANDY PROGRAM</b>					
CB03-285	MITIGATION OF LATENT SALT DAMAGE TO MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS	Partner	Design	Electrical Power & Lighting	217
CB03-286	MITIGATION OF LATENT SALT DAMAGE	Partner	Design	Buildings & Garages	101
<b>SANDY PROGRAM, Subtotal</b>					<b>318</b>
<b>SECURITY PROGRAM</b>					
CB03-261	WATERSIDE BUFFER ZONE PROTECTION	Renew	Design	Buildings & Garages	799
<b>SECURITY PROGRAM, Subtotal</b>					<b>799</b>
<b>LINCOLN TUNNEL, Subtotal</b>					<b>283,547</b>
<b>BAYONNE BRIDGE</b>					
CB06-087	NAVIGATIONAL CLEARANCE PROGRAM	Deliver	Multiple	Bridges	239,803
CB06-113	REPLACEMENT OF TOLL COLLECTION SYSTEM	Renew	Construction	Control Systems	619
CB06-119	IMPLEMENTATION OF TOLLS BY MAIL FUNCTIONALITY	Deliver	Construction	Control Systems	800
CB06-120	INSTALLATION OF AGENCY-WIDE TRANSPORTATION MANAGEMENT SOFTWARE	Renew	Design	Control Systems	223
<b>BAYONNE BRIDGE, Subtotal</b>					<b>241,445</b>
<b>GOETHALS BRIDGE</b>					
CB07-103	REPLACEMENT OF GOETHALS BRIDGE	Deliver	Construction	Bridges	55,997
CB07-145	CONSTRUCTION OF INTERCHANGE RAMPS	Expand & Connect	Planning	Bridges	3,870
CB07-149	REPLACEMENT OF TOLL COLLECTION SYSTEM	Renew	Construction	Control Systems	1,234
CB07-152	UPGRADE OF 800MHZ SIMULCAST TRUNKED RADIO SYSTEM	Deliver	Multiple	Control Systems	689

# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
CB07-155	UPGRADE OF INTEGRATED TOLL COLLECTION SYSTEM	Deliver	Construction	Control Systems	2,428
CB07-156	INSTALLATION OF AGENCY-WIDE TRANSPORTATION MANAGEMENT SOFTWARE	Renew	Design	Control Systems	223
<b>GOETHALS BRIDGE, Subtotal</b>					<b>64,441</b>
<b>OUTERBRIDGE CROSSING</b>					
CB08-083	REPLACEMENTS OF HVAC UNITS AND ROOF - TOLL CANOPY	Deliver	Construction	HVAC, Plumbing & Sprinklers	10
CB08-107	REHABILITATION OF PAVEMENT	Deliver	Construction	Paving & Roadways	40
CB08-110	REPLACEMENT OF TOLL COLLECTION SYSTEM	Renew	Construction	Control Systems	1,083
CB08-117	UPGRADE OF INTEGRATED TOLL COLLECTION SYSTEM	Deliver	Construction	Control Systems	1,242
CB08-118	INSTALLATION OF AGENCY-WIDE TRANSPORTATION MANAGEMENT SOFTWARE	Renew	Design	Control Systems	223
CB08-119	REPLACEMENT OF UNINTERRUPTIBLE POWER SUPPLY SYSTEM	Renew	Design	Electrical Power & Lighting	100
<b>SECURITY PROGRAM</b>					
CB08-109	MAIN SPAN PIER & FENDER UPGRADES	Renew	Design	Bridges	690
<b>SECURITY PROGRAM, Subtotal</b>					<b>690</b>
<b>OUTERBRIDGE CROSSING, Subtotal</b>					<b>3,389</b>
<b>PORT AUTHORITY BUS TERMINAL</b>					
CT06-285	REPLACEMENT OF PORT AUTHORITY BUS TERMINAL	Expand & Connect	Planning	Buildings & Garages	45,000
<b>PABT IMPROVEMENT PROGRAM</b>					
CT06-120	REPLACEMENT OF BUILDING AUTOMATED MONITORING & CONTROL SYSTEM	Deliver	Construction	Control Systems	200
CT06-199	REPLACEMENT OF FIRE PUMPS	Deliver	Construction	HVAC, Plumbing & Sprinklers	762
CT06-200	REPLACEMENT OF FIRE ALARM SYSTEM	Renew	Design	Control Systems	758
CT06-202	REPLACEMENT OF PRIMARY ELECTRIC SERVICE	Deliver	Construction	Electrical Power & Lighting	3,164
CT06-212	REHABILITATION OF ESCALATORS	Renew	Planning	Buildings & Garages	626
CT06-220	REHABILITATION OF PUBLIC RESTROOMS	Deliver	Multiple	HVAC, Plumbing & Sprinklers	40
CT06-230	REPLACEMENT OF SOUTH WING HVAC UNITS AND ASSOCIATED ELECTRICAL DISTRIBUTION SYSTEM	Deliver	Construction	HVAC, Plumbing & Sprinklers	5,332
CT06-239	INTERNAL STRUCTURAL ENHANCEMENTS	Renew	Design	Buildings & Garages	1,055

# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
CT06-241	UPGRADE CCTV SURVEILLANCE EQUIPMENT	Deliver	Multiple	Control Systems	600
CT06-246	UPGRADE OF ACCESS CONTROL SYSTEM	Deliver	Construction	Control Systems	100
CT06-259	REPLACEMENT OF NORTH WING STANDING BUS LANE WEARING COURSE	Renew	Design	Paving & Roadways	327
CT06-266	UPGRADE OF 800MHZ SIMULCAST TRUNKED RADIO SYSTEM	Deliver	Multiple	Control Systems	1,187
CT06-267	MODIFICATIONS OF ROOM VIDEO PROCESSING EQUIPMENT	Deliver	Construction	Buildings & Garages	400
CT06-268	REPLACEMENT OF SPRINKLER SYSTEM	Renew	Planning	HVAC, Plumbing & Sprinklers	899
CT06-269	REHABILITATION OF EMERGENCY EGRESS DOORS	Renew	Design	Buildings & Garages	1,117
CT06-274	IMPLEMENTATION OF SOUTHWING MISCELLANEOUS LEAK REPAIRS	Renew	Design	Buildings & Garages	6,000
CT06-275	REPLACEMENT OF VISUAL PAGING SYSTEM AND MASTER CLOCK SYSTEM	Renew	Design	Control Systems	3,827
CT06-276	REHABILITATION OF ELEVATORS	Renew	Planning	Buildings & Garages	429
CT06-277	REPLACEMENT OF CEILING SLATS	Deliver	Construction	Buildings & Garages	400
CT06-278	IMPLEMENTATION OF ON/OF BUS TRACKING SYSTEM AND SOFTWARE	Deliver	Multiple	Control Systems	500
CT06-281	ENHANCEMENT OF BUILDING ENTRANCES AND REPLACEMENT OF ENTRANCE/EXIT DOORS	Deliver	Multiple	Buildings & Garages	4,688
CT06-282	REHABILITATION OF FLOORING, WALLS & FINISHES	Renew	Design	Buildings & Garages	1,218
CT06-283	INSTALLATION OF AGENCY-WIDE TRANSPORTATION MANAGEMENT SOFTWARE	Renew	Design	Control Systems	230
CT06-289	REHABILITATION OF PRIORITY CONCRETE (PHASE II)	Renew	Design	Buildings & Garages	550
CT06-290	REPLACEMENT OF TERMINAL DRAINAGE SYSTEM	Renew	Planning	HVAC, Plumbing & Sprinklers	590
CT06-291	REPLACEMENT OF ELECTRIC PANELS	Renew	Planning	Electrical Power & Lighting	940
CT06-292	REPLACEMENT OF BUS RAMP HEATING CONTROLS (SNOW MELTING)	Renew	Planning	Control Systems	140
CT06-293	STRAND REPLACEMENT OF PARKING LEVEL TRUSS #1	Renew	Planning	Buildings & Garages	1,253
CT06-294	REHABILITATION OF SANITARY DRAINAGE SYSTEM	Renew	Planning	HVAC, Plumbing & Sprinklers	1,000
CT06-295	DECOMMISSION OF ELECTRICAL SERVICE SWITCHGEAR 2	Renew	Planning	Electrical Power & Lighting	436
CT06-296	REPLACEMENT OF SOVALOID SYSTEM	Renew	Planning	Control Systems	133
CT06-297	MODIFICATIONS TO CHILLED WATER SYSTEM	Renew	Planning	HVAC, Plumbing & Sprinklers	173
CT06-298	REHABILITATION OF PRIORITIZED CONCRETE AND MASONRY	Renew	Planning	Buildings & Garages	376
CT06-299	INSTALLATION OF FIRE SPRINKLER HYDRO PNEUMATIC TANKS	Renew	Planning	HVAC, Plumbing & Sprinklers	1,055
CT06-300	REHABILITATION OF HVAC BALANCING AND DUCTWORK	Renew	Planning	HVAC, Plumbing & Sprinklers	383

# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
CT06-301	REHABILITATION OF NEW VERTICAL CIRCULATION SUBWAY LEVEL TO MAIN LEVEL	Renew	Planning	Buildings & Garages	1,650
CT06-302	RESTORATION OF TWO SAWTOOTH GATES	Renew	Planning	Paving & Roadways	957
CT06-303	MODIFICATIONS TO EXISTING ELEVATOR AND LOBBY	Renew	Planning	Buildings & Garages	467
CT06-304	REHABILITATION OF ROOF FLASHING AT NORTH WING AND SOUTH WING	Renew	Planning	Buildings & Garages	301
CT06-306	REHABILITATION OF WEARING COURSE FOR LOWER LEVEL, PARTIAL 3RD AND 4TH FLOOR BUS LEVEL	Renew	Planning	Paving & Roadways	1,147
CT06-307	PRESERVATION OF PARKING LEVEL TRUSS	Renew	Planning	Buildings & Garages	388
<b>PABT IMPROVEMENT PROGRAM, Subtotal</b>					<b>45,795</b>
<b>PORT AUTHORITY BUS TERMINAL, Subtotal</b>					<b>90,795</b>
<b>GEORGE WASHINGTON BRIDGE BUS STATION</b>					
CB48-056	REDEVELOPMENT OF GWB BUS STATION	Deliver	Construction	Buildings & Garages	7,300
CB48-065	INSTALLATION OF AGENCY-WIDE TRANSPORTATION MANAGEMENT SOFTWARE	Renew	Design	Control Systems	226
<b>GEORGE WASHINGTON BRIDGE BUS STATION, Subtotal</b>					<b>7,526</b>
<b>TUNNELS, BRIDGES &amp; TERMINALS, Total</b>					<b>860,802</b>

## PATH

### PATH

CR02-150	IMPLEMENTATION OF SIGNAL REPLACEMENT PROGRAM	Deliver	Construction	Control Systems	73,259
CR02-212	IMPLEMENTATION OF TIE REPLACEMENT PROGRAM	Deliver	Construction	Rail Systems	4,170
CR02-233	CONSTRUCTION AND RELOCATION OF SUBSTATION #2	Renew	Planning	Electrical Power & Lighting	1,346
CR02-258	IMPLEMENTATION OF TURNOUT REPLACEMENT PROGRAM (PHASE 3)	Deliver	Multiple	Rail Systems	4,002
CR02-259	IMPLEMENTATION OF CONTINUOUS WELDED RAIL PROGRAM	Deliver	Construction	Rail Systems	2,043
CR02-261	IMPLEMENTATION OF CONTACT RAIL PROGRAM	Deliver	Construction	Rail Systems	2,090
CR02-290	CONSTRUCTION OF PATH RAIL EXTENSION TO NEWARK LIBERTY RAIL LINK STATION	Expand & Connect	Planning	Rail Systems	6,800
CR02-328	IMPLEMENTATION OF TUNNEL TRACK AND DRAINAGE PROGRAM	Deliver	Construction	Rail Systems	1,136
CR02-336	REPLACEMENT AND UPGRADE OF CHRISTOPHER ST SUBSTATION	Deliver	Construction	Electrical Power & Lighting	10,018
CR02-345	PURCHASE OF NEW PA-5 RAILCARS	Deliver	Construction	Rail Systems	7,200
CR02-352	UPGRADE OF RADIO BASE STATION AND SIMULCAST RADIO SYSTEM	Deliver	Construction	Control Systems	400
CR02-358	IMPLEMENTATION OF RESTRAINING RAIL PROGRAM	Deliver	Construction	Rail Systems	687

# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
CR02-382	INSTALLATION OF CONTACT THIRD RAIL HEATERS FROM GRAPE TO NEWARK	Deliver	Construction	Rail Systems	784
CR02-418	REPLACEMENT OF 15KV AND 27KV CABLES AT SUBSTATION #2 AND #15	Deliver	Construction	Electrical Power & Lighting	515
CR02-419	UPGRADE OF FIRE ALARM SYSTEM	Renew	Design	Control Systems	1,747
CR02-421	REHABILITATION OF TUNNEL ELECTRICAL LIGHTING SYSTEM	Renew	Planning	Electrical Power & Lighting	586
CR02-425	REPLACEMENT OF 27 KV CABLES BETWEEN SUBSTATION #1 AND SUBSTATION #2	Renew	Planning	Electrical Power & Lighting	441
CR02-439	INSTALLATION OF NETWORK MANAGEMENT SYSTEM	Deliver	Construction	Control Systems	727
CR02-477	IMPLEMENTATION OF HARRISON YARD SPECIAL TRACK WORK	Deliver	Construction	Rail Systems	571
CR02-492	REHABILITATION OF VITAL SIGNAL RELAY	Deliver	Construction	Control Systems	85
CR02-495	INSTALLATION OF CONTROL CABLES AT CHRISTOPHER ST STATION	Deliver	Construction	Electrical Power & Lighting	80
CR02-502	INSTALLATION OF TACTILE STRIP AND RUBBING BOARD AT NEW YORK UPTOWN STATIONS	Renew	Planning	Rail Systems	682
CR02-505	RESTORATION OF FACADE AND ROOF AT CHRISTOPHER STREET SUBSTATION #1	Renew	Design	Buildings & Garages	655
CR02-507	UPGRADE OF FIRE SUPPRESSION SYSTEM	Renew	Planning	HVAC, Plumbing & Sprinklers	909
CR02-508	REPLACEMENT OF ROOF FOR SUBSTATION #5 (BACKUS)	Deliver	Construction	Buildings & Garages	20
CR02-509	REPLACEMENT OF ROOF FOR SUBSTATION #15 (CAISSON)	Deliver	Construction	Buildings & Garages	20
CR02-511	REPLACEMENT OF VENT LOUVERS AT SUBSTATION #4	Renew	Design	Buildings & Garages	173
CR02-513	REHABILITATION OF SUBSTATION #2A TO PREVENT WATER INFILTRATION	Renew	Design	Buildings & Garages	548
CR02-514	REPLACEMENT OF THE ROOF AT EXCHANGE PLACE SUBSTATION #4	Renew	Design	Buildings & Garages	1,266
CR02-516	REPLACEMENT OF MITER RAILS HACKENSACK RIVER BRIDGE	Deliver	Construction	Rail Systems	2,044
CR02-518	REPLACEMENT OF SWITCHING STATION NO. 6	Deliver	Construction	Electrical Power & Lighting	2,600
CR02-521	REPLACEMENT OF HIGH MAST LIGHTING AT HARRISON CAR MAINTENANCE FACILITY	Renew	Planning	Electrical Power & Lighting	167
CR02-529	REPLACEMENT OF TRACKSIDE CIRCUIT BREAKERS	Renew	Planning	Electrical Power & Lighting	167
CR02-535	REPLACEMENT OF SCADA PROGRAMMABLE LOGIC CONTROLLERS AND INTERFACE EQUIPMENT	Renew	Design	Control Systems	1,280
CR02-545	REPLACEMENT OF AUTOMATIC TRANSFER SWITCHES EQUIPMENT	Deliver	Construction	Electrical Power & Lighting	500
CR02-564	REPLACEMENT OF WEST SIDE CROSSOVER	Renew	Design	Rail Systems	229
CR02-569	ACQUISITION OF PROPERTY FOR SUBSTATION #8	Renew	Design	Electrical Power & Lighting	1,000
CR02-573	UPGRADE OF 800 MHZ SIMULCAST TRUNKED RADIO SYSTEM	Deliver	Multiple	Control Systems	1,823



# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
CR02-574	REHABILITATION OF 30TH ST MEZZANINE	Renew	Design	Buildings & Garages	1,005
CR02-580	IMPROVEMENTS OF INFRASTRUCTURE AT SOUTH ST YARD	Deliver	Construction	Control Systems	769
CR02-598	REHABILITATION OF GROVE ST. STATION	Deliver	Construction	Buildings & Garages	2,374
CR02-604	REPLACEMENT OF PATH TIE PLATE IN TUNNEL AREAS, PHASE I	Deliver	Construction	Electrical Power & Lighting	40
CR02-606	INSTALLATION OF TRANSPORTATION MANAGEMENT SOFTWARE	Renew	Planning	Control Systems	385
CR02-608	REPLACEMENT OF POWER DISTRIBUTION CABLES IN PATH TUNNELS A & B	Deliver	Construction	Electrical Power & Lighting	2,482
CR08-022	REHABILITATION OF TUNNEL EMERGENCY VENTILATION FAN BLADE	Deliver	Construction	HVAC, Plumbing & Sprinklers	1,081
CR08-078	IMPLEMENTATION OF TUNNEL WATER MANAGEMENT PROGRAM	Deliver	Multiple	Rail Systems	4,586
CR08-096	INSTALLATION OF LENEL ACCESS CONTROL AND CCTV	Deliver	Construction	Control Systems	400
CR08-101	UPGRADE OF CCTV & ACCESS CONTROL STATION	Deliver	Construction	Control Systems	20
CR08-104	UPGRADE OF JOURNAL SQUARE TRANSPORTATION CENTER RADIO SYSTEM - PHASE I	Deliver	Multiple	Control Systems	489
<b>HARRISON STATION REPLACEMENT AND UPGRADE</b>					
CR02-458	REPLACEMENT AND UPGRADE OF HARRISON STATION	Deliver	Multiple	Rail Systems	42,248
CR02-496	ACQUISITION, REMEDIATION & DEMOLITION OF PROPERTY AT HARRISON STATION	Deliver	Multiple	Rail Systems	2,065
<b>HARRISON STATION REPLACEMENT AND UPGRADE, Subtotal</b>					<b>44,312</b>
<b>SANDY PROGRAM</b>					
CR02-378	REPLACEMENT OF SUBSTATION #8	Partner	Design	Electrical Power & Lighting	1,078
CR02-384	UPGRADE OF SOUTH STREET COMPRESSOR	Partner	Design	Rail Systems	359
CR02-434	INSTALLATION OF STANDBY GENERATOR INFRASTRUCTURE	Deliver	Construction	Electrical Power & Lighting	2,368
CR02-462	REPLACEMENT OF SUBSTATION #7	Partner	Design	Electrical Power & Lighting	1,103
CR02-463	REPLACEMENT OF SUBSTATION #9	Partner	Design	Electrical Power & Lighting	1,004
CR02-527	REPLACEMENT OF IN-GROUND LIFTS AT HARRISON CAR MAINTENANCE FACILITY	Deliver	Construction	Buildings & Garages	7,085
CR02-548	REPLACEMENT OF SUBSTATION #14	Partner	Design	Electrical Power & Lighting	2,348
CR02-556	REPLACEMENT OF ELEVATORS AT HARRISON CAR MAINTENANCE FACILITY	Partner	Design	Mechanical Systems	488
CR02-576	REPLACEMENT OF ROOF AT MACMILLAN BLOEDEL BUILDING	Partner	Design	Buildings & Garages	5,878
CR02-582	REPLACEMENT OF HACKENSACK RIVER BRIDGE EMERGENCY GENERATOR FUEL TANK	Deliver	Construction	Fueling	3,937

# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
CR02-583	REHABILITATION OF TUNNELS TO ADDRESS LATENT SALT HURRICANE SANDY DAMAGE	Deliver	Multiple	Rail Systems	3,437
CR02-584	PURCHASE OF EQUIPMENT FOR RECOVERY WORK	Deliver	Construction	Rail Systems	7,049
CR02-585	DESIGN AND PURCHASE OF RESILIENCY EQUIPMENT	Deliver	Multiple	Rail Systems	2,643
CR02-586	REPLACEMENT OF HOBOKEN STATION UNDER PLATFORM FAN	Deliver	Construction	HVAC, Plumbing & Sprinklers	3,588
CR02-587	IMPLEMENTATION OF HOBOKEN FLOOD RESILIENCY PROGRAM	Partner	Design	Buildings & Garages	676
CR02-588	REHABILITATION OF SUBSTATIONS 7, 8, 9 AND 14	Deliver	Multiple	Electrical Power & Lighting	260
CR02-589	REPLACEMENT OF SIGNALS IN TUNNELS E & F	Partner	Design	Electrical Power & Lighting	417
CR02-590	REPLACEMENT OF RADIO AND ELECTRONICS IN TUNNELS E & F	Partner	Design	Electrical Power & Lighting	229
CR02-591	REPLACEMENT OF 27KV, 15KV, TRACTION POWER AND INTER-TRIPPING CABLES IN TUNNELS E & F	Partner	Design	Electrical Power & Lighting	448
CR02-592	REPLACEMENT OF LIGHTING 480V POWER DISTRIBUTION EQUIPMENT IN TUNNELS E & F	Partner	Design	Electrical Power & Lighting	338
CR02-593	REPLACEMENT OF AUXILIARY POWER EQUIPMENT & CABLE REPLACEMENT AT EXCHANGE PLACE	Partner	Design	Electrical Power & Lighting	166
CR02-594	REPLACEMENT OF CORROSION PROTECTION AND CONTROL SYSTEM IN TUNNELS E & F	Partner	Design	Control Systems	260
CR02-595	REPLACEMENT OF TRACK, THIRD RAIL AND APPURTENANCES IN TUNNELS E & F	Partner	Design	Rail Systems	52
CR02-597	REPLACEMENT OF EXCHANGE PLACE STATION ESCALATORS	Partner	Design	Mechanical Systems	1,219
CR02-599	INSTALLATION OF HARRISON CAR MAINTENANCE FACILITY AUTOMATIC FLOOD BARRIER	Partner	Design	Buildings & Garages	926
CR02-600	INSTALLATION OF EXCHANGE PLACE STATION HEAD HOUSE PROTECTION	Partner	Design	Buildings & Garages	722
CR02-601	INSTALLATION OF HARRISON CAR MAINTENANCE FACILITY CONCRETE SEA WALL	Partner	Design	Buildings & Garages	1,009
CR02-602	EXTENSION OF RAIL YARDS	Partner	Construction	Rail Systems	1,133
CR02-609	REPLACEMENT OF EXCHANGE PLACE STATION ELEVATORS	Partner	Design	Mechanical Systems	481
CR02-610	REPLACEMENT OF NEWPORT STATION ELEVATORS	Partner	Design	Mechanical Systems	495
CR02-611	REPLACEMENT OF NEWPORT STATION ESCALATORS	Partner	Design	Mechanical Systems	712
CR02-612	INSTALLATION OF GROVE STREET STATION HEAD HOUSE PROTECTION	Partner	Design	Buildings & Garages	667
CR02-613	INSTALLATION OF NEWPORT STATION HEAD HOUSE PROTECTION	Partner	Design	Buildings & Garages	413
CR02-614	INSTALLATION OF HOBOKEN ELEVATOR FLOOD RESILIENCY	Partner	Planning	Mechanical Systems	717
CR02-624	REPLACEMENT OF GROVE STREET STATION ESCALATORS	Partner	Planning	Mechanical Systems	441
CR02-629	REPLACEMENT OF HOBOKEN INTERLOCKING	Partner	Planning	Rail Systems	956
CR02-630	REPLACEMENT OF APPROACH SLAB AND PAVEMENT AT HARRISON CAR MAINTENANCE FACILITY	Partner	Planning	Paving & Roadways	639
CR02-631	RESTORATION OF HOBOKEN, NEWPORT, EXCHANGE PLACE AND GROVE STREET STATIONS	Partner	Planning	Buildings & Garages	1,329

# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
CR02-632	REPLACEMENT OF OPEN AREA TRACKS ON TRACK G, H & P	Partner	Planning	Rail Systems	1,276
<b>SANDY PROGRAM, Subtotal</b>					<b>58,347</b>
<b>SECURITY PROGRAM</b>					
CR08-066	EXCHANGE PLACE BOLLARD UPGRADE	Renew	Design	Paving & Roadways	583
CR08-068	UPGRADE OF JOURNAL SQUARE TRANSPORTATION CENTER BOLLARDS	Renew	Design	Paving & Roadways	2,084
CR08-079	INSTALLATION OF TUNNEL MITIGATION	Renew	Planning/Design	Rail Systems	1,607
CR08-081	EXCHANGE PLACE STATION UNDERWATER NETTING	Renew	Design	Buildings & Garages	842
<b>SECURITY PROGRAM, Subtotal</b>					<b>5,116</b>
<b>PATH, Subtotal</b>					<b>254,175</b>
<b>PATH, Total</b>					<b>254,175</b>

## FERRY TRANSPORTATION

CH02-006	HOBOKEN PERMANENT FERRY TERMINAL	Deliver	Construction	Buildings & Garages	599
<b>FERRY TRANSPORTATION, Total</b>					<b>599</b>

## AVIATION

### LAGUARDIA AIRPORT

CA02-118	REHABILITATION OF RUNWAYS DECK WEARING SURFACE	Renew	Construction	Runway-Taxiway	5,216
CA02-347	CONSTRUCTION OF RESTRICTED VEHICLE SERVICE ROAD (RVSR) AND RUNWAY DRIVE	Expand & Connect	Design	Runway-Taxiway	2,173
CA02-401	REHABILITATION OF RUNWAY 13-31 AND ASSOCIATED TAXIWAYS	Deliver	Construction	Runway-Taxiway	2,900
CA02-414	INSTALLATION OF AGENCY WIDE TRANSPORTATION MANAGEMENT SOFTWARE	Renew	Design	Control Systems	156
CA02-417	CONSTRUCTION OF RUNWAY 13 & 22 DECKS SAFETY OVERRUN	Deliver	Multiple	Runway-Taxiway	2,253
CA02-425	REHABILITATION OF RUNWAY 4-22 AND ASSOCIATED TAXIWAYS	Renew	Planning	Runway-Taxiway	1,025
CA02-447	UPGRADE OF 800 MHZ SIMULCAST TRUNKED RADIO SYSTEM	Deliver	Multiple	Control Systems	1,813
CA02-464	REPLACEMENT OF THE RUNWAY DECK EXPANSION JOINTS	Renew	Planning	Bridges	973
CA02-465	REHABILITATION OF RUNWAY DECK PRIORITY STRUCTURAL ELEMENTS - 3	Renew	Design	Paving & Roadways	2,354
CA02-466	REHABILITATION OF TAXIWAY B FROM TAXIWAY G TO TAXIWAY CY	Renew	Construction	Runway-Taxiway	1,300
CA02-467	REHABILITATION OF TAXIWAYS B, AA, BB AND ASSOCIATED TAXIWAYS	Renew	Design	Runway-Taxiway	5,513

# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
CA02-483	INSTALLATION OF UNIFIED NETWORK SYSTEM INFRASTRUCTURE AT GUARD POSTS 1, 2 & 3	Deliver	Construction	Underground Utilities	100
CA02-487	INSTALLATION OF AIRPORT ACCESS FEE PROGRAM INFRASTRUCTURE	Expand & Connect	Planning	Paving & Roadways	577
CA02-489	REPLACEMENT OF PARKING ACCESS AND REVENUE CONTROL SYSTEM (PARCS)	Renew	Design	Control Systems	1,630
CA02-494	REHABILITATION OF ROMEO SWITCHGEARS AND FUEL FARM SUBSTATION SWITCHGEARS	Renew	Planning	Fueling	307
CA02-496	INSTALLATION OF PILE SUPPORTED STRUCTURE FOR RUNWAY 4 LOCALIZER	Expand & Connect	Planning	Runway-Taxiway	167
CA02-499	REHABILITATION OF PUMP HOUSE 1 RETAINING WALL	Renew	Planning	Underground Utilities	82
CA02-503	INSTALLATION OF GROUND BASED AUGMENTATION SYSTEM	Expand & Connect	Planning	Runway-Taxiway	1,000
<b>JFK REDEVELOPMENT &amp; LGA AIRTRAIN</b>					
CA22-005	CONSTRUCTION OF AIRTRAIN	Expand & Connect	Planning	Rail Systems	18,500
<b>JFK REDEVELOPMENT &amp; LGA AIRTRAIN, Subtotal</b>					<b>18,500</b>
<b>LGA CAPITAL INFRASTRUCTURE RENEWAL PROGRAM</b>					
CA22-440	REPLACEMENT OF UTILITIES EAST OF GUARD POST 1	Deliver	Multiple	Underground Utilities	3,300
CA22-444	REDEVELOPMENT OF HANGARS 1, 2 AND 4	Deliver	Multiple	Paving & Roadways	1,900
CA22-469	CONSTRUCTION OF EAST END SUBSTATION BUILDING, EQUIPMENT AND FEEDERS	Deliver	Construction	Electrical Power & Lighting	500
CA22-474	CONSTRUCTION OF EAST PARKING GARAGE	Deliver	Multiple	Buildings & Garages	1,800
<b>LGA CAPITAL INFRASTRUCTURE RENEWAL PROGRAM, Subtotal</b>					<b>7,500</b>
<b>LGA TERMINAL B REDEVELOPMENT</b>					
CA22-001	LGA TERMINAL B REDEVELOPMENT - MASTER PLANNING	Deliver	Planning	Buildings & Garages	999
CA22-002	LGA TERMINAL B REDEVELOPMENT - REDEVELOPMENT OF BUILDING 30	Deliver	Construction	Buildings & Garages	15,785
CA22-003	LGA TERMINAL B REDEVELOPMENT - CONSTRUCTION OF CENTRAL HALL	Deliver	Construction	Buildings & Garages	7,407
CA22-372	LGA TERMINAL B REDEVELOPMENT - CENTRAL HEATING AND REFRIGERATION PLANT	Deliver	Construction	Buildings & Garages	3,857
CA22-419	LGA TERMINAL B REDEVELOPMENT - CONSTRUCTION OF TERMINAL AND RAMP	Deliver	Multiple	Buildings & Garages	262,000
CA22-441	LGA TERMINAL B REDEVELOPMENT - AIR TERMINAL RESTRICTED SERVICE ROAD AND TAXIWAY CONNECTIONS	Deliver	Construction	Runway-Taxiway	3,608
CA22-442	LGA TERMINAL B REDEVELOPMENT - AIR TERMINAL HIGHWAY EAST OF GUARD POST 1	Deliver	Construction	Paving & Roadways	190,672
CA22-443	LGA TERMINAL B REDEVELOPMENT - SURFACE AND STRUCTURE PARKING PROGRAM	Deliver	Multiple	Buildings & Garages	101,262
<b>LGA TERMINAL B REDEVELOPMENT, Subtotal</b>					<b>585,591</b>
<b>LGA NEW TERMINAL C</b>					
CA22-007	DELTA REDEVELOPMENT PROGRAM - TERMINAL	Expand & Connect	Planning	Buildings & Garages	7,500
CA22-008	DELTA REDEVELOPMENT PROGRAM - SUPPORTING INFRASTRUCTURE	Expand & Connect	Planning	Paving & Roadways	15,000

# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
<b>LGA NEW TERMINAL C, Subtotal</b>					<b>22,500</b>
<b>SANDY PROGRAM</b>					
CA02-484	REPLACEMENT OF AERONAUTICAL OPERATIONS AREA LIGHT CIRCUIT REPLACEMENT	Partner	Design	Electrical Power & Lighting	1,427
CA02-485	REHABILITATION OF PUMP HOUSES 2 AND 3	Deliver	Construction	HVAC, Plumbing & Sprinklers	2,683
CA02-486	FLOOD CONTROL AND RESILIENCY IMPROVEMENTS	Deliver	Multiple	HVAC, Plumbing & Sprinklers	14,846
CA02-488	REHABILITATION OF PUMP HOUSE 6 SUBSTATION	Partner	Design	Electrical Power & Lighting	4,641
<b>SANDY PROGRAM, Subtotal</b>					<b>23,597</b>
<b>SECURITY PROGRAM</b>					
CA02-330	INSTALLATION OF BIOMETRIC CARD READER SYSTEM	Renew	Planning	Control Systems	285
<b>SECURITY PROGRAM, Subtotal</b>					<b>285</b>
<b>LAGUARDIA AIRPORT, Subtotal</b>					<b>687,512</b>
<b>JFK INTERNATIONAL AIRPORT</b>					
CA03-025	REHABILITATION OF PAN AM ROAD PAVEMENT	Deliver	Construction	Paving & Roadways	400
CA03-141	INSTALLATION OF BOLLARDS AT TENANT TERMINALS	Deliver	Multiple	Paving & Roadways	3,104
CA03-168	RECONSTRUCTION OF RUNWAY 4L-22R RUNWAY SAFETY AREA (RSA)	Deliver	Construction	Runway-Taxiway	5,700
CA03-507	UPGRADE OF VEHICLE GATE SECURITY	Deliver	Multiple	Paving & Roadways	1,839
CA03-518	REHABILITATION OF RUNWAY 4R APPROACH LIGHTING SYSTEM PIER	Renew	Planning	Electrical Power & Lighting	2,500
CA03-529	REHABILITATION OF TAXIWAY Q, QG AND RESTRICTED VEHICLE SERVICE ROAD	Renew	Design	Runway-Taxiway	10,576
CA03-546	REALIGNMENT/ REHABILITATION OF TAXIWAY U	Renew	Planning	Runway-Taxiway	850
CA03-574	REPLACEMENT OF AIRPORT TRAFFIC CONTROL TOWER ROOFS & RELATED EQUIPMENT	Renew	Design	Runway-Taxiway	7,658
CA03-591	REDEVELOPMENT OF TERMINAL 3/TERMINAL 4	Deliver	Construction	Buildings & Garages	2,475
CA03-605	REPLACEMENT OF BUILDING 14 ROOF AT EAST WING	Renew	Planning/Design	Buildings & Garages	1,476
CA03-616	REALIGNMENT OF NORTH BOUNDARY ROAD	Deliver	Construction	Paving & Roadways	40
CA03-620	REHABILITATION OF VAN WYCK SUBSTATION	Renew	Planning	Electrical Power & Lighting	852
CA03-621	REPLACEMENT OF 5KV FEEDERS	Deliver	Construction	Electrical Power & Lighting	8,915

# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
CA03-632	REHABILITATION OF CENTRAL SUBSTATION	Renew	Planning	Electrical Power & Lighting	921
CA03-633	REHABILITATION OF BERGEN SUBSTATION AT JFK	Renew	Planning	Electrical Power & Lighting	852
CA03-634	REHABILITATION OF FARMERS SUBSTATION	Renew	Planning	Electrical Power & Lighting	1,015
CA03-636	INSTALLATION OF SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA)	Deliver	Construction	Control Systems	30
CA03-639	UPGRADE OF 800 MHZ SIMULCAST TRUNKED RADIO SYSTEM	Deliver	Multiple	Control Systems	2,410
CA03-646	UPGRADE OF 800MHZ SIMULCAST TRUNKED RADIO SYSTEM	Deliver	Construction	Control Systems	70
CA03-675	REPLACEMENT OF FIRE ALARM SYSTEM AT CONTROL TOWER	Deliver	Construction	Control Systems	900
CA03-676	REHABILITATION OF 5KV FEEDER DISTRIBUTION SYSTEM	Renew	Planning	Electrical Power & Lighting	1,977
CA03-677	REPLACEMENT OF FACILITY-WIDE FIRE ALARM SYSTEMS	Renew	Planning	Control Systems	3,744
CA03-748	INSTALLATION OF ACCESS AND SAFETY IMPROVEMENTS AT BUILDING 161(FIRE PUMP STATION)	Deliver	Construction	HVAC, Plumbing & Sprinklers	200
CA03-755	INSTALLATION OF WEST AREA LIGHTING AT FORMER HANGAR 12 SITE	Deliver	Construction	Electrical Power & Lighting	3,162
CA03-772	REPLACEMENT OF EXISTING 86 PAD SUBSTATION	Renew	Design	Buildings & Garages	1,412
CA03-774	INSTALLATION OF AGENCY WIDE TRANSPORTATION MANAGEMENT SOFTWARE	Renew	Design	Control Systems	594
CA03-775	INSTALLATION OF JFK BACKFLOW PREVENTION DEVICES AND WATER METER UPGRADES - PHASE IV	Renew	Design	HVAC, Plumbing & Sprinklers	468
CA03-776	INSTALLATION OF AIRPORT ACCESS FEE PROGRAM INFRASTRUCTURE	Expand & Connect	Planning	Paving & Roadways	244
CA03-777	REPLACEMENT OF PARKING ACCESS AND REVENUE CONTROL SYSTEM (PARCS)	Renew	Design	Control Systems	4,658
CA03-782	REHABILITATION OF BRIDGES J31 AND J32 AT ACQUEDUCT ROAD	Renew	Planning	Bridges	617
CA03-788	INSTALLATION OF GROUND BASED AUGMENTATION SYSTEMS FOR AIRPORTS	Expand & Connect	Planning	Runway-Taxiway	1,000
<b>JFK REDEVELOPMENT &amp; LGA AIRTRAIN</b>					
CA03-802	JFK REDEVELOPMENT	Expand & Connect	Planning	Paving & Roadways	8,000
<b>JFK REDEVELOPMENT &amp; LGA AIRTRAIN, Subtotal</b>					<b>8,000</b>
<b>JFK RUNWAYS REHABILITATION</b>					
CA03-516	REHABILITATION OF RUNWAY 4R-22L	Renew	Design	Runway-Taxiway	57,048
CA03-612	REHABILITATION OF RUNWAY 13L-31R AND ASSOCIATED TAXIWAYS	Renew	Planning	Runway-Taxiway	2,798
<b>JFK RUNWAYS REHABILITATION, Subtotal</b>					<b>59,845</b>
<b>SANDY PROGRAM</b>					

# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
CA03-760	INSTALLATION OF ENGINEERED MATERIAL ARRESTOR SYSTEM	Deliver	Construction	Runway-Taxiway	100
CA03-764	REPAIR & HAZARD MITIGATION OF CUT & COVER TUNNEL POWER DISTRIBUTION VAULT & PUMP STATION	Partner	Planning	Electrical Power & Lighting	1,066
CA03-765	REPLACEMENT OF AIRSIDE SWITCHGEARS	Partner	Design	Electrical Power & Lighting	2,012
CA03-766	INSTALLATION OF TIDE GATES/DRAINAGE CHECK VALVES FOR OUTFALLS	Partner	Design	HVAC, Plumbing & Sprinklers	1,777
CA03-769	REPLACEMENT OF LIGHT CIRCUIT AT AERONAUTICAL OPERATIONAL AREA	Partner	Design	Electrical Power & Lighting	7,473
CA03-783	INSTALLATION OF FLOODGATES AT OUTFALLS	Partner	Planning	HVAC, Plumbing & Sprinklers	928
<b>SANDY PROGRAM, Subtotal</b>					<b>13,356</b>
<b>SECURITY PROGRAM</b>					
CA03-061	CCTV AT TERMINAL BAGGAGE AREAS	Renew	Design	Control Systems	2,921
CA03-505	INSTALLATION OF BIOMETRIC CARD READER SYSTEM	Renew	Planning	Control Systems	309
CA03-778	JFK VEHICULAR GUARD POST LIGHTING IMPROVEMENTS	Renew	Design	Electrical Power & Lighting	353
<b>SECURITY PROGRAM, Subtotal</b>					<b>3,582</b>
<b>JFK INTERNATIONAL AIRPORT, Subtotal</b>					<b>155,442</b>
<b>NEWARK LIBERTY INTERNATIONAL AIRPORT</b>					
CA04-041	SCHOOL SOUNDPROOFING PROGRAM (PHASE 3)	Deliver	Construction	Buildings & Garages	4,262
CA04-482	INSTALLATION OF BOLLARDS AT TENANT TERMINALS	Deliver	Construction	Paving & Roadways	80
CA04-521	REHABILITATION OF TAXIWAY "Y" (FROM RM TO S)	Renew	Planning	Runway-Taxiway	665
CA04-524	REHABILITATION OF TAXIWAY Z (FROM RUNWAY EDGE TO UA)	Renew	Planning	Runway-Taxiway	1,113
CA04-528	REPLACEMENT OF CHRP NORTH ELECTRICAL SUBSTATION AND CHILLER UPGRADES	Deliver	Construction	Electrical Power & Lighting	4,138
CA04-529	REHABILITATION OF TERMINAL FRONTAGE BRIDGES	Renew	Planning	Bridges	1,754
CA04-547	REHABILITATION OF FUEL PIT VAULT HATCHES	Deliver	Construction	Fueling	20
CA04-559	REHABILITATION OF CENTRAL TERMINAL AREA ENTRANCE & BRIDGES - N1, N2, N18, N19, N20, N21 AND N22	Renew	Planning/Design	Bridges	3,295
CA04-573	REHABILITATION OF RUNWAY 11-29	Renew	Planning	Runway-Taxiway	689
CA04-579	RENEWAL OF AIRPORT WIDE ELECTRICAL DISTRIBUTION SYSTEM	Renew	Construction	Electrical Power & Lighting	20,490
CA04-583	RENEWAL OF AIRPORT WIDE FUEL DISTRIBUTION SYSTEM	Deliver	Construction	Fueling	8,761
CA04-584	REPLACEMENT OF TERMINAL B INFRASTRUCTURE AND UTILITIES	Deliver	Multiple	Electrical Power & Lighting	973

# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
CA04-589	REHABILITATION OF EXPANSION JOINTS AND STRUCTURAL ELEMENTS OF FACILITY BRIDGES	Deliver	Multiple	Bridges	397
CA04-593	REPLACEMENT OF TERMINAL B STERILE CORRIDOR DOORS AND OPERATIONAL MODIFICATIONS	Deliver	Planning/Design	Buildings & Garages	3,420
CA04-598	UPGRADE OF 800 MHZ SIMULCAST TRUNKED RADIO SYSTEM	Deliver	Multiple	Control Systems	2,253
CA04-640	INSTALLATION OF AGENCY WIDE TRANSPORTATION MANAGEMENT SOFTWARE	Renew	Design	Control Systems	212
CA04-642	INSTALLATION OF AIRPORT ACCESS FEE PROGRAM INFRASTRUCTURE	Expand & Connect	Planning	Paving & Roadways	156
CA04-643	REPLACEMENT OF PARKING ACCESS AND REVENUE CONTROL SYSTEM (PARCS)	Renew	Design	Control Systems	8,864
CA04-648	IMPROVEMENT OF FUEL FARM DRAINAGE	Renew	Design	Fueling	668
CA04-653	INSTALLATION OF BRIDGE N5 UNDERPASS FLOODING MITIGATION	Deliver	Construction	Bridges	200
CA04-655	REPLACEMENT OF CHRP SOUTH SUBSTATION ROOF	Renew	Design	Buildings & Garages	496
CA44-017	EXPANSION OF LOWER LEVEL AND REHABILITATION OF VERTICAL CIRCULATION AT TERMINAL B1	Deliver	Construction	Buildings & Garages	800
CA44-041	EWR AIRTRAIN REPLACEMENT PLANNING	Renew	Design	Rail Systems	13,770
<b>AIRTRAIN NEWARK CAPITAL ASSET REPLACEMENT PROGRAM</b>					
CA04-513	REHABILITATION OF AIRTRAIN BASE GUIDEWAY	Deliver	Construction	Rail Systems	3,661
CA04-514	AIRTRAIN CAPITAL ASSET REPLACEMENT PROGRAM	Deliver	Multiple	Rail Systems	19,959
CA04-555	REPLACEMENT OF AIRTRAIN HVAC SYSTEM	Deliver	Construction	HVAC, Plumbing & Sprinklers	700
<b>AIRTRAIN NEWARK CAPITAL ASSET REPLACEMENT PROGRAM, Subtotal</b>					<b>24,320</b>
<b>EWR TERMINAL A REDEVELOPMENT</b>					
CA44-037	TERMINAL A REDEVELOPMENT - TERMINAL	Expand & Connect	Planning/Design	Buildings & Garages	2,770
CA44-038	TERMINAL A REDEVELOPMENT - AIRSIDE	Expand & Connect	Planning/Design	Buildings & Garages	1,326
CA44-039	TERMINAL A REDEVELOPMENT - LANDSIDE INFRASTRUCTURE	Expand & Connect	Planning/Design	Paving & Roadways	13,335
CA44-040	TERMINAL A REDEVELOPMENT - PARKING	Expand & Connect	Planning	Buildings & Garages	750
<b>EWR TERMINAL A REDEVELOPMENT, Subtotal</b>					<b>18,181</b>
<b>SANDY PROGRAM</b>					
CA04-639	REPLACEMENT OF EWR AERONAUTICAL OPERATIONS AREA (AOA) LIGHT CIRCUIT	Partner	Design	Electrical Power & Lighting	12,051
<b>SANDY PROGRAM, Subtotal</b>					<b>12,051</b>
<b>SECURITY PROGRAM</b>					
CA04-045	TERMINAL B EXTERIOR CURTAIN WALL GLASS UPGRADE	Renew	Design	Buildings & Garages	3,367
CA04-049	CCTV AT TERMINAL BAGGAGE AREAS	Renew	Design	Control Systems	1,150
CA04-397	INSTALLATION OF BIOMETRIC CARD READER SYSTEM	Renew	Planning	Control Systems	467
<b>SECURITY PROGRAM, Subtotal</b>					<b>4,984</b>



# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
<b>NEWARK LIBERTY INTERNATIONAL AIRPORT, Subtotal</b>					<b>137,011</b>
<b>TETERBORO AIRPORT</b>					
CA05-127	REHABILITATION OF TAXIWAY G (WEST OF RUNWAY 1-19) AND TAXIWAY E (HIGH SPEED)	Renew	Planning	Runway-Taxiway	231
CA05-129	REHABILITATION OF TAXIWAY L	Renew	Planning	Runway-Taxiway	369
CA05-141	REHABILITATION OF STORMWATER DRAINAGE SYSTEM	Renew	Planning/Design	Underground Utilities	2,354
CA05-153	INSTALLATION OF AGENCY WIDE TRANSPORTATION MANAGEMENT SOFTWARE	Renew	Design	Control Systems	39
CA05-155	REHABILITATION OF SEWAGE PUMPS	Renew	Design	Underground Utilities	290
<b>SANDY PROGRAM</b>					
CA05-151	REPLACEMENT OF TETERBORO AERONAUTICAL OPERATIONS ARIAL LIGHT CIRCUIT	Partner	Design	Electrical Power & Lighting	6,636
<b>SANDY PROGRAM, Subtotal</b>					<b>6,636</b>
<b>TETERBORO AIRPORT, Subtotal</b>					<b>9,920</b>
<b>STEWART INTERNATIONAL AIRPORT</b>					
CA06-046	INSTALLATION OF POSITIVE AIR PRESSURE FOR PASSENGER LOADING BRIDGES	Deliver	Construction	HVAC, Plumbing & Sprinklers	50
CA06-066	REHABILITATION OF RUNWAYS 9-27 AND 16-34	Deliver	Construction	Runway-Taxiway	50
CA06-079	INSTALLATION OF BACKFLOW PREVENTER DEVICES	Renew	Construction	HVAC, Plumbing & Sprinklers	1,002
CA06-100	MITIGATION OF RUNWAY INCURSION - PHASE 1B	Deliver	Construction	Runway-Taxiway	100
<b>STEWART INTERNATIONAL AIRPORT, Subtotal</b>					<b>1,202</b>
<b>AVIATION, Total</b>					<b>991,086</b>

## PORT

### PORT NEWARK

CP05-148	CONSTRUCTION OF EXPRESS RAIL TRACK WORK (PHASE 2A)	Deliver	Multiple	Rail Systems	2,297
CP05-173	REHABILITATION OF BERTH 14	Deliver	Construction	Port Wharfs	600
CP05-187	IMPROVEMENTS TO PORT STREET CORRIDOR	Deliver	Multiple	Paving & Roadways	10,012
CP05-193	UPGRADE OF WATER LINES AT NEW JERSEY MARINE TERMINAL	Deliver	Multiple	Underground Utilities	294
CP05-220	REPLACEMENT OF BERTHS 30, 32 AND 34 FENDER SYSTEM	Deliver	Construction	Port Wharfs	4,600

# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
CP05-233	REHABILITATION OF BERTH 3	Deliver	Construction	Port Wharfs	4,959
CP05-238	REHABILITATION OF SANITARY LIFT STATIONS AT NEW JERSEY MARINE TERMINAL	Deliver	Construction	HVAC, Plumbing & Sprinklers	20
CP05-246	REHABILITATION OF BERTH 19	Deliver	Construction	Port Wharfs	169
CP05-249	REPLACEMENT OF TRAFFIC SIGNALS AT NEW JERSEY MARINE TERMINAL	Deliver	Multiple	Control Systems	4,730
CP05-255	UPGRADE OF 800 MHZ SIMULCAST TRUNKED RADIO SYSTEM	Deliver	Multiple	Control Systems	628
CP05-269	REHABILITATION OF BERTHS 5, 7, 9, 10, 12, 15, 16 AND 17	Deliver	Construction	Port Wharfs	20
CP05-272	IMPLEMENTATION OF AGENCY-WIDE TRANSPORTATION MANAGEMENT SOFTWARE	Renew	Design	Control Systems	370
CP05-277	REHABILITATION OF TYLER STREET PAVING	Renew	Design	Paving & Roadways	853
CP05-278	REHABILITATION OF BERTH 36	Deliver	Construction	Port Wharfs	300
CP05-279	REHABILITATION OF BERTHS 11 AND 13	Deliver	Construction	Port Wharfs	20
CP05-281	IMPLEMENTATION OF HOLDING TANKS AT BUILDINGS 182 & 188	Renew	Design	Underground Utilities	327
CP05-282	REHABILITATION OF RAIL ON DISTRIBUTION STREET	Deliver	Construction	Rail Systems	30
CP05-286	REHABILITATION OF BERTHS 20, 22, 30, AND 32	Deliver	Construction	Port Wharfs	10
<b>50' FOOT DREDGING PROGRAM</b>					
CP05-120	CONSTRUCTION OF CONSOLIDATED 50 FOOT PROJECT (NEW JERSEY, PORT JERSEY, AMBROSE)	Deliver	Multiple	Port Wharfs	2,417
<b>50' FOOT DREDGING PROGRAM, Subtotal</b>					<b>2,417</b>
<b>SANDY PROGRAM</b>					
CP05-251	REHABILITATION OF OFFICE SPACE AT BUILDING 260	Partner	Design	Buildings & Garages	1,098
CP05-266	RECONSTRUCTION AND RELOCATION OF RESIDENT ENGINEERS OFFICE	Partner	Planning	Buildings & Garages	250
CP05-273	REHABILITATION OF BUILDING #111 ELECTRICAL AND MECHANICAL EQUIPMENT	Partner	Planning	Electrical Power & Lighting	252
<b>SANDY PROGRAM, Subtotal</b>					<b>1,599</b>
<b>SECURITY PROGRAM</b>					
CP05-124	PORT SECURITY PROGRAM-NJMT-BADGE, ID SYS.	Renew	Planning	Control Systems	164
<b>SECURITY PROGRAM, Subtotal</b>					<b>164</b>
<b>WHARF/BERTH REPLACEMENT PROGRAM</b>					
CP05-241	REHABILITATION OF BERTHS 15 & 17 AT PORT NEWARK	Renew	Planning	Port Wharfs	2,137
CP05-245	REHABILITATION OF BERTHS 10, 12 & 25 AT PORT NEWARK	Renew	Planning	Port Wharfs	319
CP05-280	REHABILITATION OF BERTHS 18, 24, 26, AND 34	Deliver	Construction	Port Wharfs	200
<b>WHARF/BERTH REPLACEMENT PROGRAM, Subtotal</b>					<b>2,656</b>
<b>PORT NEWARK, Subtotal</b>					<b>37,077</b>

# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
<b>ELIZABETH PA MARINE TERMINAL</b>					
CP08-148	REHABILITATION OF BUILDING 1400 FIRE SUPPRESSION SYSTEM	Deliver	Construction	HVAC, Plumbing & Sprinklers	20
CP08-149	REHABILITATION OF WATER SYSTEM (PHASE II) AT PORT ELIZABETH MARINE TERMINAL	Renew	Planning	Underground Utilities	1,502
<b>50' FOOT DREDGING PROGRAM</b>					
CP08-111	RELOCATION OF UTILITIES FOR 50' CHANNEL AT KILL VAN KULL AND NEWARK BAY	Deliver	Construction	Underground Utilities	9,500
CP08-112	IMPLEMENTATION OF CONSOLIDATED 50 FOOT PROJECT (NEW JERSEY, PORT JERSEY)	Deliver	Construction	Port Wharfs	1,130
<b>50' FOOT DREDGING PROGRAM, Subtotal</b>					<b>10,630</b>
<b>ELIZABETH PA MARINE TERMINALS, Subtotal</b>					<b>12,153</b>
<b>BROOKLYN PA MARINE TERMINAL</b>					
<b>SANDY PROGRAM</b>					
CP09-125	REPLACEMENT OF UNDERGROUND ELECTRICAL DELIVERY LINES AT NEW YORK MARINE TERMINAL	Partner	Planning	Underground Utilities	642
<b>SANDY PROGRAM, Subtotal</b>					<b>642</b>
<b>SECURITY PROGRAM</b>					
CP09-085	PORT SECURITY PROGRAM NYMT-BADGE, ID SYS	Renew	Planning	Control Systems	38
<b>SECURITY PROGRAM, Subtotal</b>					<b>38</b>
<b>BROOKLYN PA MARINE TERMINAL, Subtotal</b>					<b>680</b>
<b>RED HOOK</b>					
CP91-062	REHABILITATION OF PIER 10 AT RED HOOK	Renew	Planning	Port Wharfs	299
<b>RED HOOK, Subtotal</b>					<b>299</b>
<b>HOWLAND HOOK MARINE TERMINAL</b>					
<b>50' FOOT DREDGING PROGRAM</b>					
CP11-044	RELOCATION OF UTILITIES FOR ARTHUR KILL 50' CHANNEL	Deliver	Construction	Underground Utilities	9,500
<b>50' FOOT DREDGING PROGRAM, Subtotal</b>					<b>9,500</b>
<b>SANDY PROGRAM</b>					
CP11-089	UPGRADE OF PAVEMENT SUBGRADE AT HOWLAND HOOK MARINE TERMINAL	Partner	Design	Paving & Roadways	2,989
<b>SANDY PROGRAM, Subtotal</b>					<b>2,989</b>
<b>HOWLAND HOOK MARINE TERMINAL, Subtotal</b>					<b>12,489</b>

# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
<b>GREENVILLE YARD / NYNJ RAIL LLC</b>					
<b>GREENVILLE YARD PROGRAM</b>					
CP17-016	INSTALLATION OF SUPPORT TRACKS	Expand & Connect	Design	Rail Systems	4,584
CP17-019	CONSTRUCTION OF NEW BARGE	Deliver	Construction	Port Wharfs	7,300
CP17-027	REHABILITATION OF TRANSFER BRIDGE #10	Deliver	Construction	Bridges	18,353
CP17-033	MODIFICATIONS TO FENDER SYSTEM AT 65TH STREET TERMINAL	Deliver	Construction	Port Wharfs	4,056
CP17-037	MODIFICATIONS TO RAIL ACCESS FOR 65TH STREET YARD	Expand & Connect	Planning	Rail Systems	495
<b>GREENVILLE YARD PROGRAM, Subtotal</b>					<b>34,787</b>
<b>SANDY PROGRAM</b>					
CP17-034	REHABILITATION OF MOORING CELLS AT NY/NJ RAILROAD	Deliver	Construction	Port Wharfs	1,616
<b>SANDY PROGRAM, Subtotal</b>					<b>1,616</b>
<b>GREENVILLE YARD / NYNJ RAIL LLC, Subtotal</b>					<b>36,404</b>
<b>NEW JERSEY REDEVELOPMENT</b>					
CP14-023	IMPLEMENTATION OF REGIONAL RAIL FREIGHT PROGRAM	Deliver	Planning	Rail Systems	17,638
<b>NEW JERSEY REDEVELOPMENT, Subtotal</b>					<b>17,638</b>
<b>PORT JERSEY PA MARINE TERMINAL</b>					
CP16-027	DEVELOPMENT OF GLOBAL TERMINAL	Deliver	Construction	Rail Systems	200
CP16-047	REHABILITATION OF BERTH E-1 AND E-2	Renew	Planning	Port Wharfs	513
CP16-070	CONSTRUCTION OF PORT JERSEY 2ND LEAD TRACK	Expand & Connect	Planning	Rail Systems	814
<b>GREENVILLE YARD PROGRAM</b>					
CP16-035	DEVELOPMENT OF INTERMODAL CONTAINER TRANSFER FACILITY AT GREENVILLE YARD	Deliver	Multiple	Rail Systems	29,369
<b>GREENVILLE YARD PROGRAM, Subtotal</b>					<b>29,369</b>
<b>SANDY PROGRAM</b>					
CP16-066	UPGRADE OF EAST SUBSTATION PROTECTIVE DEVICES & DISTRIBUTION EQUIPMENT	Deliver	Multiple	Electrical Power & Lighting	1,747
<b>SANDY PROGRAM, Subtotal</b>					<b>1,747</b>
<b>PORT JERSEY PA MARINE TERMINAL, Subtotal</b>					<b>32,643</b>
<b>PORT, Total</b>					<b>149,381</b>

# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
<b>DEVELOPMENT</b>					
<b>TELEPORT</b>					
CW03-029	INSTALLATION OF BACKFLOW PREVENTION DEVICES AT TELEPORT	Renew	Design	HVAC, Plumbing & Sprinklers	522
<b>TELEPORT, Subtotal</b>					<b>522</b>
<b>DEVELOPMENT, Total</b>					<b>522</b>

<b>WORLD TRADE CENTER</b>					
<b>WTC PROGRAM</b>					
CR12-001	CONSTRUCTION OF WTC TRANSPORTATION HUB	Deliver	Multiple	Buildings & Garages	63,888
CW11-001	SITE PLANNING, REDEVELOPMENT AND COORDINATION	Deliver	Construction	Buildings & Garages	459
CW11-003	VEHICULAR SECURITY CENTER AND TOUR BUS PARKING FACILITY	Deliver	Construction	Control Systems	11,164
CW11-005	PREPARATION AND CONSTRUCTION COORDINATION	Deliver	Multiple	Buildings & Garages	3,355
CW11-006	CONSTRUCTION AND RECONFIGURATION OF STREETS AND RELATED INFRASTRUCTURE	Deliver	Multiple	Paving & Roadways	15,042
CW11-007	CONSTRUCTION OF CENTRAL CHILLER PLANT AND RIVER WATER SYSTEM	Deliver	Construction	HVAC, Plumbing & Sprinklers	4,192
CW11-008	COMPLETION OF MEMORIAL AND MUSEUM PROJECT	Deliver	Construction	Buildings & Garages	100
CW11-009	CONSTRUCTION OF EASTSIDE VEHICULAR SECURITY CENTER	Deliver	Multiple	Buildings & Garages	15,555
CW11-010	CONSTRUCTION OF COMMON INFRASTRUCTURE	Deliver	Multiple	Buildings & Garages	30,075
CW11-015	SUPPORT OF COMMERCIAL INFRASTRUCTURE	Deliver	Multiple	Buildings & Garages	17,949
CW11-017	IMPROVEMENT OF SUBGRADE INFRASTRUCTURE AND PARKING	Deliver	Multiple	Buildings & Garages	21,349
CW11-018	CONSTRUCTION OF MONITORING AND COORDINATION	Deliver	Multiple	Control Systems	5,178
CW11-019	IMPLEMENTATION OF SECURITY OPERATIONS	Deliver	Multiple	Control Systems	9,304
CW11-020	CONSTRUCTION OF OTHER INFRASTRUCTURE (NON-HUB RELATED)	Deliver	Multiple	Buildings & Garages	3,600
CW11-021	CONSTRUCTION OF WEST BATHTUB VEHICULAR ACCESS	Deliver	Multiple	Buildings & Garages	22,243
CW11-022	CONSTRUCTION OF PROPERTY MANAGEMENT FACILITY	Deliver	Multiple	Buildings & Garages	25,493
CW11-024	CONSTRUCTION OF PERFORMING ARTS CENTER	Deliver	Multiple	Buildings & Garages	8,547
CW11-025	INTEGRATION OF LIFE SAFE SYSTEMS	Deliver	Construction	Control Systems	9,700
CW11-026	UPGRADE OF 800 MHZ SIMULCAST TRUNKED RADIO SYSTEM	Deliver	Multiple	Control Systems	750
CW11-027	IMPLEMENTATION OF CAMPUS SECURITY PLAN	Deliver	Construction	Control Systems	7,897

# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
CW31-001	IMPROVEMENTS TO ONE WTC MARKETING, LEASING AND BASE BUILDING	Deliver	Multiple	Buildings & Garages	64,827
CW31-002	INSTALLATION OF INTERIM WINDOW RIG AT ONE WTC	Expand & Connect	Planning	Mechanical Systems	1,998
CW31-006	INSTALLATION OF BUILDING MAINTENANCE UNIT AT ONE WTC	Expand & Connect	Planning	Buildings & Garages	18,796
CW31-555	CONSTRUCTION OF ONE WTC	Deliver	Construction	Buildings & Garages	10,091
CW30-001	REDEVELOPMENT OF RETAIL	Deliver	Multiple	Buildings & Garages	106,555
<b>WTC PROGRAM, Subtotal</b>					<b>478,107</b>
<b>SANDY PROGRAM</b>					
CW11-028	IMPLEMENTATION OF FLOOD RESILIENCY PROGRAM	Deliver	Multiple	Buildings & Garages	24,355
<b>SANDY PROGRAM, Subtotal</b>					<b>24,355</b>
CW34-002	DESIGN, CONSTRUCTION AND BUILD OUT OF PORT AUTHORITY CORPORATE OFFICES AT 4 WTC	Deliver	Construction	Buildings & Garages	6,136
<b>WORLD TRADE CENTER, Total</b>					<b>508,597</b>
<b>REGIONAL TRANSPORTATION PROGRAMS</b>					
CF99-004	GATEWAY (PLANNING)	Partner	Planning	Rail Systems	17,000
CF99-227	NEW YORK REGIONAL TRANSPORTATION PROGRAM	Partner	Planning	Rail Systems	50,000
<b>REGIONAL TRANSPORTATION PROGRAMS, Total</b>					<b>67,000</b>
<b>ALL FACILITIES</b>					
CXXX-EXP	PROVISION FOR EFFICIENCY AND PHASING - EXPAND AND CONNECT PROJECTS	Expand & Connect	Planning		(30,000)
CXXX-CAP	PROVISION FOR FUTURE CAPITAL MAINTENANCE	Renew	Planning	Structure Rehabilitation	10,000
CXXX-SGR	FUTURE SGR FUNDING REQUIREMENTS	Renew	Planning	Structure Rehabilitation	88,836
<b>ALL FACILITIES PROVISION, Total</b>					<b>68,836</b>
<b>GRAND TOTAL</b>					<b>\$ 2,901,000</b>

# 2017 Capital Project Listing

Sorted by Department, Facility and Program (\$ in thousands)

(Glossary located on the last page of this document)

PROJECT ID	PROJECT TITLE	CATEGORY	STAGE	ASSET CATEGORY	2017 Budget
------------	---------------	----------	-------	-------------------	-------------

## GLOSSARY (excerpts from the 2017-2026 Capital Plan approved in February 2017):

### Project Category:

**Renew** - Projects required to renew and maintain assets in a state of good repair and ensure efficient, safe and secure operations.

**Expand and Connect** - Projects that expand capacity, improve connectivity, meet the growth of the region, and advance the region's transportation needs.

**Partner** - Projects where we partner with federal and regional stakeholders to complete Superstorm Sandy restoration, fortify and improve resiliency of our assets, and build for the future.

**Deliver** - Projects under construction [at the time the 2017-2026 Capital Plan was adopted]

### Project Stage:

**Planning** - Includes activities associated with determination of project feasibility and completion of project definition; as well as conceptual design efforts to develop design concepts and criteria, identify and analyze alternatives, and determine conceptual construction cost estimates. (Note: Planning is equivalent to Stages P, 1 and 2)

**Design** - Further development of design concepts and refinement of construction cost estimates; preparation of final contract documents and design drawings that will generally be competitively bid and used for construction. (Note: Design is equivalent to Stage 3)

**Construction** - Active execution of the construction contract and physical completion of the specified work. (Note: Construction is equivalent to Stages 4 and 5)

### Asset Category:

**Mechanical, Electrical, & Plumbing Systems** - Includes all the physical systems that control power, mechanics, and utilities within an asset.

- Control Systems
- Electrical Power and Lighting
- HVAC, Plumbing, and Sprinklers
- Fueling
- Mechanical Systems

**Roadways and Utility Infrastructure** - Includes all of the physical assets necessary to build or maintain a road, together with the land at its edge and any utilities contained within a roadway.

- Paving and Roadways
- Underground Utilities

**Structures/Buildings** - Includes all physical assets that are built or constructed and any rehabilitation work associated with those assets.

- Building and Garages
- Bridges
- Ports Wharfs
- Tunnels
- Structure Rehabilitation

**Runway-Taxiway** - Includes all physical assets necessary to build or maintain a paved or cleared strip on which planes land and take off.

**Rail System** - Includes all physical assets necessary to operate and maintain a railroad.