



MEMORANDUM

To: Airport Committee

From: Tony Caruso Airport Director

CC: Cathy Conlow, City Manager

Re: BGR: Airport Construction Projects - updates

Date: December 2, 2014

Attached for your review is a copy of Bangor International Airport's (BGR) FAA approved 5-year Capital Improvement Plan for 2014 through 2019. Each year Airport staff works with the FAA Northeast Region Representatives and the Maine State Department of Transportation to develop, review and update our 5-year capital improvement plan (CIP) program. These construction projects involve major enhancements to the airfield infrastructure, airport terminals, and airfield equipment and include projects that improve safety. CIP programs are plans of capital and major maintenance expenses to be incurred over a multi-year period, along with the proposed means for financing the expenditures. In order to remain eligible for, and obtain, airport improvement plan (AIP) funds, an airport must have an approved 5-year airport capital improvement plan.

Airport staff will be available to provide a general overview of the recent construction projects which include the Godfrey Boulevard rehabilitation and the Domestic Terminal renovation project, phase 2. We will also provide a general overview of the key future projects identified in the 5-year CIP.



**BANGOR INTERNATIONAL AIRPORT
AIP CAPITAL IMPROVEMENT PLAN
2015-2020**



Updated 10/6/2014

Category	AIP #	PROJECT YEAR & DESCRIPTION	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Future
Other	61	2014 - Design & Construct a Portion of Godfrey Boulevard	\$771,187							
Other	62	2014 - Design & Construct Runway Weather Information System (RWIS)	\$467,180							
Taxi/Apron	63	2014 - Design Only: TWY A Ctr (ARFF to 'M'); TWY N Shoulders; Dock Area TLN; Predesign evaluation of TWY A Pvmnts; South GA Apron Entrance; TD ASR Mitigation Phase 2	\$338,682							
-	64	Eliminated	\$0							
Other	65	2014 - Design and Construct Public Address System	\$492,292							
Taxi		2015 - Construct: Rehabilitate TWY A Ctr (ARFF to 'M'); Reconstruct TWY N Shoulders; Rehabilitate Dock Area Taxilane		\$3,312,000						
Apron		2015 - Construct: Trench Drain ASR Mitigation Phase 2; Rehabilitate South GA Apron Entrance		\$1,400,000						
Other		2015 - Design Only - Terminal Connector Walkway & Gate 5 Passenger Boarding Bridge (Apron Drive);		\$210,000						
Other		2015 - Domestic Terminal Improvements		\$1,300,000						
Taxi		2016 - Design Only - Rehabilitate Taxiway A South (Twy J to Runway 33; Approx. 1,800 LF & Light Bar Rehab.)			\$107,000					
Other		2016 - Construct Terminal Connector Walkway & Gate 5 Passenger Boarding Bridge (Apron Drive)			\$2,300,000					
Other		2016 - Domestic Terminal Improvements			\$500,000					
Taxi		2017 - Design Only - Rehabilitate Taxiway A North (Approx. 800 LF & Light Bar Rehab.)				\$61,000				
Taxi		2017 - Rehabilitate Taxiway A South (Twy J to Runway 33; Approx. 1,800 LF & Light Bar Rehab.)				\$1,956,000				
Taxi		2018 - Design Only - Rehabilitate Taxiway A from K to J					\$93,000			
Taxi		2018 - Rehabilitate Taxiway A North (Approx. 800 LF & Light Bar Rehab.)					\$1,123,000			
Taxi		2019 - Design Only - Rehabilitate Taxiway A From Taxiway M to North Hold Apron (Approx. 3,075LF)						\$126,000		
Taxi		2019 - Rehabilitate Taxiway A From K to J						\$1,700,000		
Taxi		2020-Rehabilitate Taxiway A From Taxiway M to North Hold Apron (Approx. 3,075 LF)							\$2,315,000	
Apron		ASR Mitigation Phase 3 Design & Misc. Airport Drainage Repairs							\$80,000	
FUTURE PROJECTS										
Apron		Design Only - Terminal Gates 2A and 2B Hardstand								\$70,000
Apron		Reconstruct Terminal Gates 2A and 2B Hardstand								\$1,500,000
Apron		Design Only - GA Apron Phase 2								\$180,000
Apron		Reconstruct GA Apron Phase 2								\$2,750,000
Taxi		Design Only - X & Y Shoulder Reconstruction**								\$75,000
Taxi		Reconstruct X & Y Shoulders **								\$1,500,000
Heli		Design Only - Helipad**								\$30,000
Heli		Reconstruct Helipad**								\$500,000
Taxi		Design Only - Rehabilitate & Narrow Taxiway L								\$56,000
Taxi		Rehabilitate Taxiway L - In current Location								\$1,118,000
Other		Design Only - Deicing Improvements								\$60,000
Other		Construct Deicing Improvements								\$1,000,000
Other		Design Minor Airfield Drainage Improvements Identified in 2013 Video Inspection								TBD
Other		Construct Minor Airfield Drainage Improvements Identified in 2013 Video Inspection								TBD
Other		Design Only - Runway 15 Blast Pad (200' x 200')								\$16,000
Other		Reconstruct Runway 15 Blast Pad (200' x 200')								\$212,250
Other		Obstruction Removal (Trees)								TBD
Runway		2024 - Rehabilitate Runway 15-33 (mill, pave, and mark 11,440' x 200')								\$6,000,000
Total Eligible for AIP Funds			\$2,069,341	\$6,222,000	\$2,907,000	\$2,017,000	\$1,216,000	\$1,826,000	\$2,395,000	
Federal Funds (90%)			\$1,862,407	\$5,599,800	\$2,616,300	\$1,815,300	\$1,094,400	\$1,643,400	\$2,155,500	
State Funds (5%)			\$103,467	\$311,100	\$145,350	\$100,850	\$60,800	\$91,300	\$119,750	
City Funds (5%)			\$103,467	\$311,100	\$145,350	\$100,850	\$60,800	\$91,300	\$119,750	
TOTAL			\$2,069,341	\$6,222,000	\$2,907,000	\$2,017,000	\$1,216,000	\$1,826,000	\$2,395,000	

Estimated FY Entitlement Funding:		\$2,350,000	\$2,350,000	\$2,350,000	\$2,350,000	\$2,350,000	\$2,350,000	\$2,350,000	\$2,350,000
Other Federal Funding:									
Carry Over from Previous Years:			\$3,470,534	\$220,734	-\$45,566	\$489,134	\$1,744,734	\$2,451,334	\$2,645,834
Estimated Total Federal Funding:			\$5,820,534	\$2,570,734	\$2,304,434	\$2,839,134	\$4,094,734	\$4,801,334	\$4,995,834

Total FY Project Cost (Federal Funds Only)	\$1,862,407	\$5,599,800	\$2,616,300	\$1,815,300	\$1,094,400	\$1,643,400	\$2,155,500	
Estimated Federal Funding Variance		\$220,734	-\$45,566	\$489,134	\$1,744,734	\$2,451,334	\$2,645,834	

Open AIP's and anticipated over run/under run

- 65 2014 PA System
- 63 2014 Multiple Taxiway Apron Designs
- 62 2014 Design and Construct New RWIS
- 61 2014 Design and Construct Godfrey Boulevard
- 60 2013 Airfield Drainage Video Inspection
- 59 2013 TD & RGL Replacement - Estimated Close winter 2014/15
- 58 2013 Canal Fill - Estimated Close Winter 2014/15

see anticipated underruns on open grants which are expected to more than cover this shortage

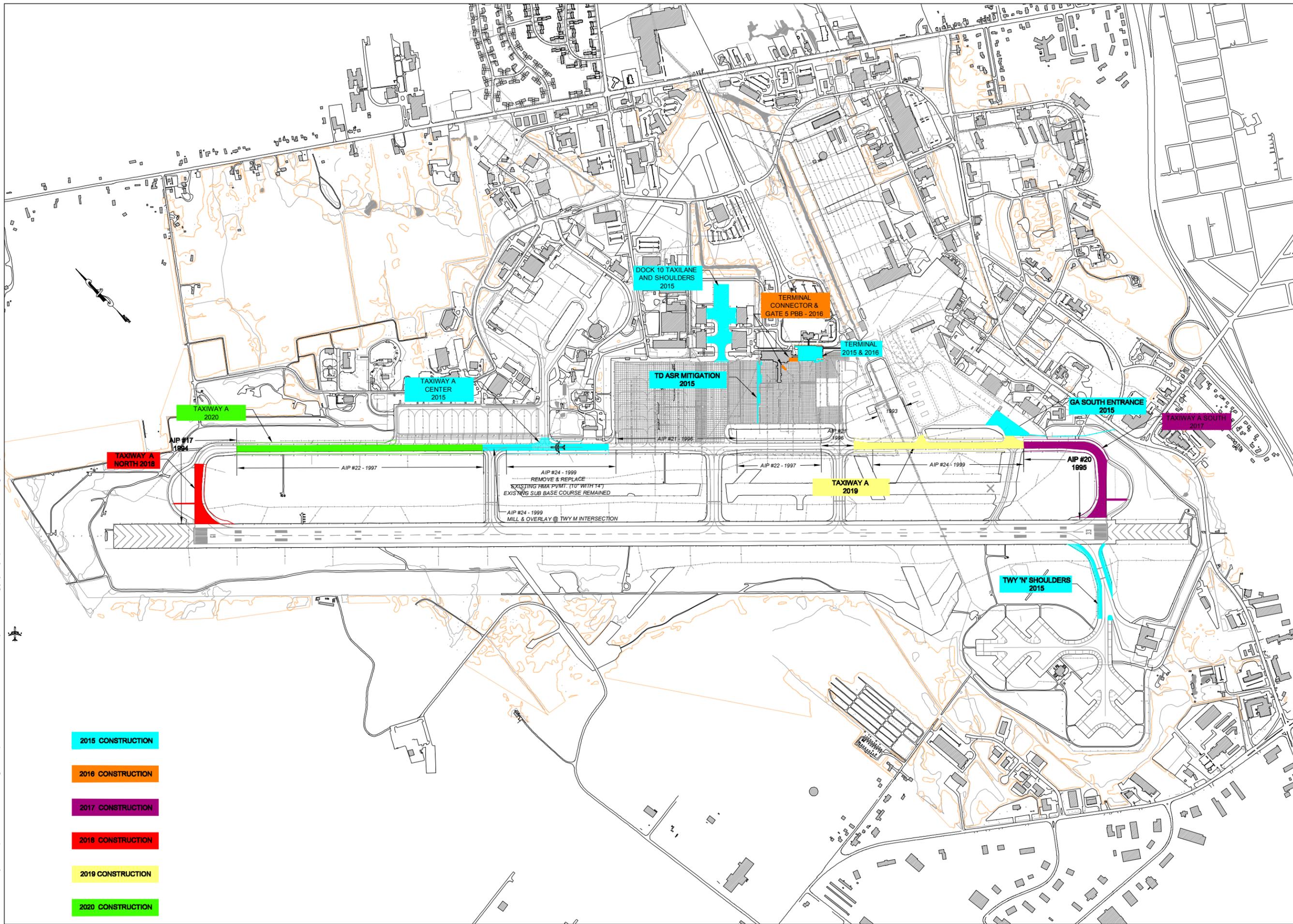
estimated underrun of \$30-40K due to reduction of scope

estimated underrun of \$60 due to reduction in scope

estimated underrun of \$30-40K

estimated underrun of \$100-\$120K

Edwards & Kelcey - P:\Airports\Client_General\Bangor\CIP_Updater\FY2015-2020\DRAWING\CIP Projects 2015-20.dwg [Layout1] September 29, 2014 - 9:11am [P:\mtdk]



- 2015 CONSTRUCTION
- 2016 CONSTRUCTION
- 2017 CONSTRUCTION
- 2018 CONSTRUCTION
- 2019 CONSTRUCTION
- 2020 CONSTRUCTION

PROJECT DESIGNER:
JACOBS
 2 Executive Park Drive, Suite 205
 Bedford, NH 03110
 Tel: (603) 886-7700
 Fax: (603) 666-7785

SCALE: 1" = 500'
 DATE: AUG. 2014
 DESIGNED BY: JRH
 DRAWN BY: JRH
 CHECKED BY: JWG
 APPROVED:

BANGOR INTERNATIONAL AIRPORT
 BANGOR, MAINE
 CIP PROJECTS
 2015 - 2020 C.I.P. PROJECTS
 PREPARED AUG. 2014

REV. NO.	DATE	DESCRIPTION	BY

PROJ. NO.:
 DRAWING NO.
1
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