Building an Effective Capital Improvement Plan

South Dakota Airport Conference

Rapid City, SD

March 2020

KLJ

ENGINEERING, REIMAGINED

Building an Effective Capital Improvement Plan

WHAT ?

WHY ?

HOW ?

WHEN?

Building an Effective Capital Improvement Plan

Question: WHAT is an Airport Capital Improvement Plan (ACIP)?

Answer:

A plan that identifies capital improvements necessary to maintain and operate your airport in a safe and effective manner.

Note:

FAA ACIPs usually show only federally eligible improvements.

Tools:

FAA Order 5090.5, "Formulation of the NPIAS and ACIP"

FAA Order 5100.38, "Airport Improvement Program Handbook"

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Building an Effective Capital Improvement Plan

Question: WHY do I need an effective CIP?

Answer: MONEY, MONEY, MONEY!

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Question: WHY do I need an effective CIP?

Answer 1: Help FAA process grants!

Answer 2: Never hurts to make FAA happy!

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Question: WHEN do I need to have a CIP ready?

Answer:

Continuously maintain a list of capital investment needs.

Early Summer – Work with your consultant to refine CIP
- Define
- Prioritize
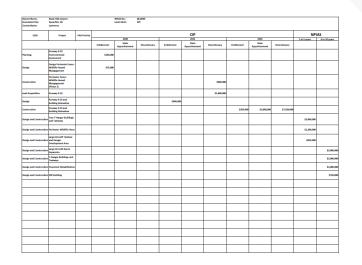- Estimate costs

Summer – Meet with FAA and State to discuss CIP

Fall/Early Winter – Finalize and submit to State and FAA

Building an Effective Capital Improvement Plan
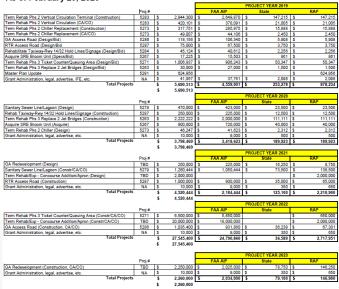
Question: HOW do I create an effective CIP?

Answer: Format - FAA/State doesn't currently define format so may vary by airport.

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Question: HOW do I create an effective CIP?

Answer:

Provide clear description of project
(Maps depicting projects are helpful)

Mill and replace 2" of asphalt on Runway 13/31

Reconstruct Runway 13/31

Acquire 13.2 acres of land

Install new PAPI on Runway 31

Install new MIRL and replace associated regulator(s)

Acquire new snowblower to replace 1972 snowblower

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Question: HOW do I create an effective CIP?

Answer:

Define realistic funding plan

- Don't use more entitlements than available.
- Discretionary request should be coordinated with FAA
- State Apportionment and state match request should be coordinate with State

Ensure projects are shown on approved ALP

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Question: HOW do I create an effective CIP?

Answer:

Confirm timing is clear and considers prerequisites

- Planning completed?

- Received environmental clearances?

- Have local share?

- Design completed or will be?

Ensure projects are shown on ALP

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Question: HOW do I create an effective CIP?

Answer:

Clear need – Projects must be justified

- Project must meet not exceed FAA standards.

- Replacement/rehabilitation must be warranted and met useful life expectancy defined in FAA Order 5100.38.

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Common Mistakes

Lumping projects together

    Rehabilitate RTA

    Rehabilitate airfield lighting

Unrealistic funding

    $750,000 in non-primary entitlements

    Identify the use of State Apportionment without State input

    Identify the use of Discretionary funds without FAA input

Why Effective CIP and Airport Planning are needed?

An ineffective CIP can lead to an undesirable destination

With that happy thought, who has the first question?