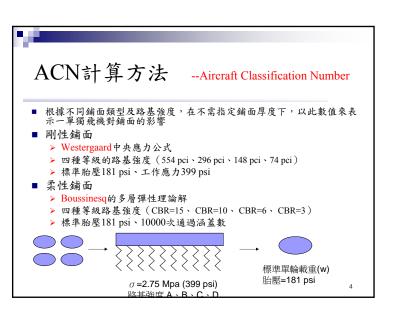
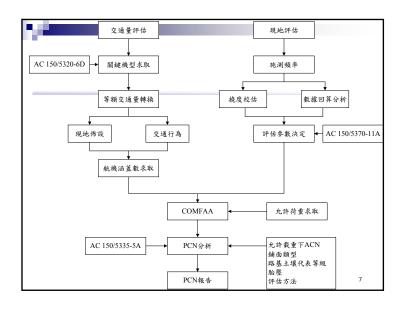
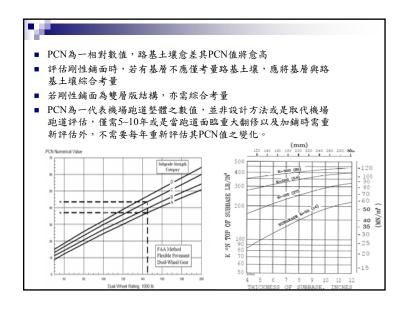


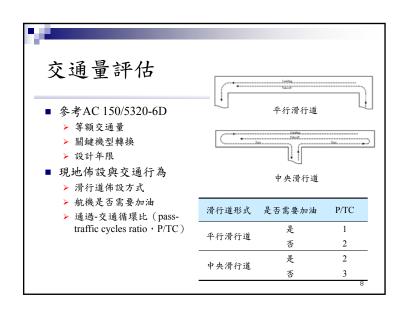
簡報大綱 前言 機場鋪面評估—ACN/PCN評估方法 機場鋪面評估方法之探討 ACN /PCN方法之探討 非破壞性檢測方法之探討 PCN案例探討 評估方法之建議 結論與建議







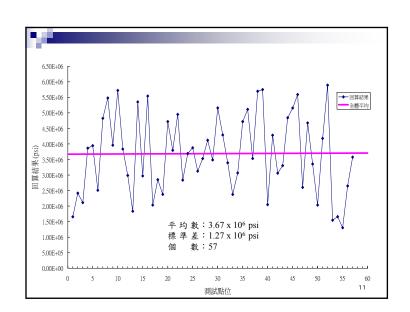


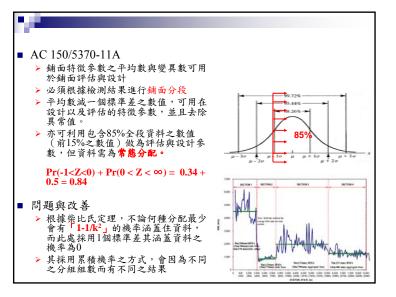


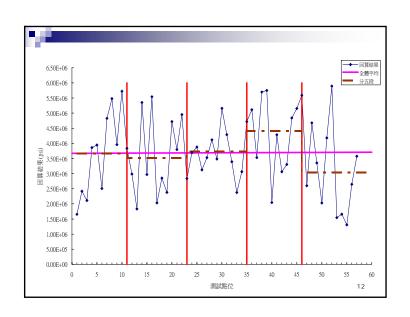
ACN/PCN計算流程之探討

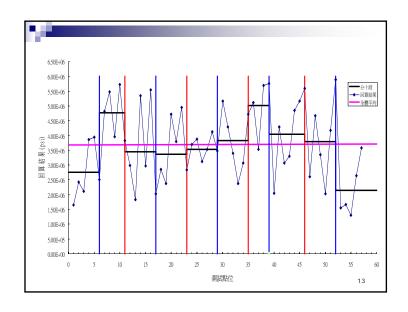
- 發展背景
 - > AC 150/5335-5
 - > AC 150/5370-11A
 - > 採用參數與原因
- ■現有問題
 - > 變異性大
 - 評估需採用回算方法
 - 分段方式未說明
 - > 分析流程未明確
 - 計算流程並未明確說明
 - ✓ 不同計算程序結果不相同

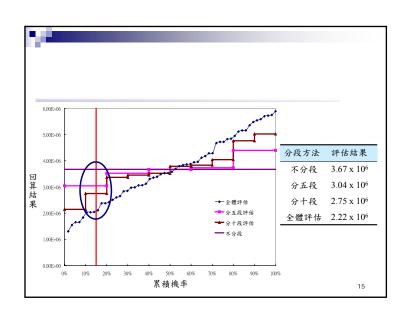
Origin Method	PCN	Code
Flexible Pavement		
- CBR method S-77-1	55	FBWT
- PCASE-CBR	78	FBWT
- PCASE-LEA	69	FBWT
- Shell 85%	86	FBWT
- Barker et al	50	FBWT
- U.S. Corps of Engineers	64	FBWT
- APSDS -MWHGL-data	(43)	FBWT
Rigid Pavement		
- PCA-PDILB	77	RCWT
- PCASE-Westergaard	75	RCWT
- PCASE-LEA	79	RCWT
- UEC (Ref. 36)	78	RCWT
- Domenichini (Ref. 38)	66	RCWT
- Corps of Engineers	81	RCWT
- Vencon 1992	71	RCWT

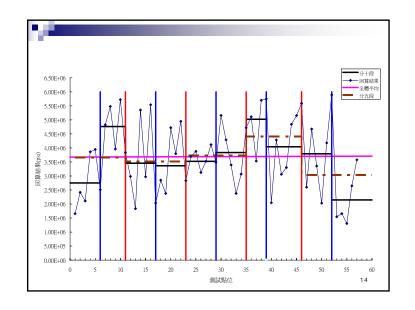


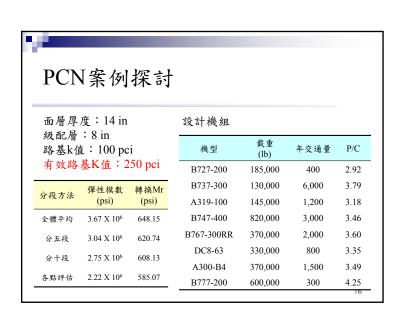




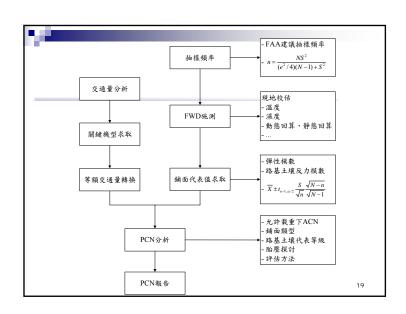


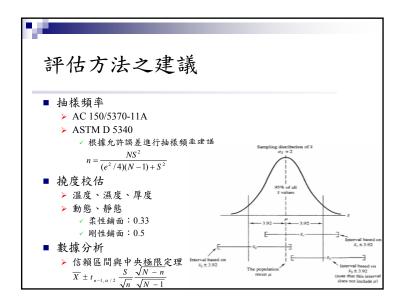


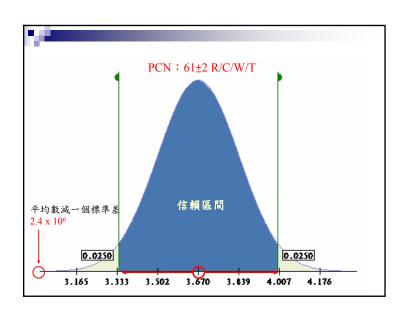












結論與建議

- ACN/PCN方法之探討
 - > 鋪面特性代表參數之求取
 - 回算方法之應用
 - ✓ 資料為常態分配下「平均數-標準差」做為設計參數
 - 利用85%涵蓋機率下之數值做為設計參數
- ACN/PCN數值之決定
 - ▶ ACN/PCN代表之物理意義
 - 並非累積機率前15%之數值
 - 進行FWD檢測時其量得結果為「樣本」而非「母體」,因此不應採 用減去一個標準差之方式,應配合統計量以及樣本變異性一起考量

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- ACN/PCN計算之建議
 - ▶ 整體跑道之評估
 - ✓ 考量整體跑道
 - 〈信賴區間與抽樣方法之應用

簡報結束 敬請指教