

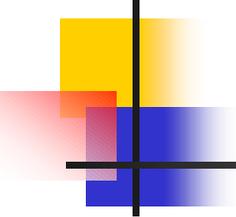
CLEANING AND PAINTING OF STRUCTURAL STEEL

Florida DOT's Endeavors Past, Present and Future



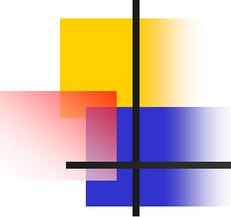
FRANK D. REA

CHEMIST ADMINISTRATOR, FDOT



PAST TO PRESENT

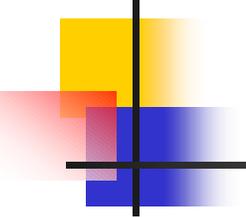




PRIOR TO 1980

- Red Lead Primers
 - Did not require blasting
 - Inexpensive
 - Lasted 20 plus years



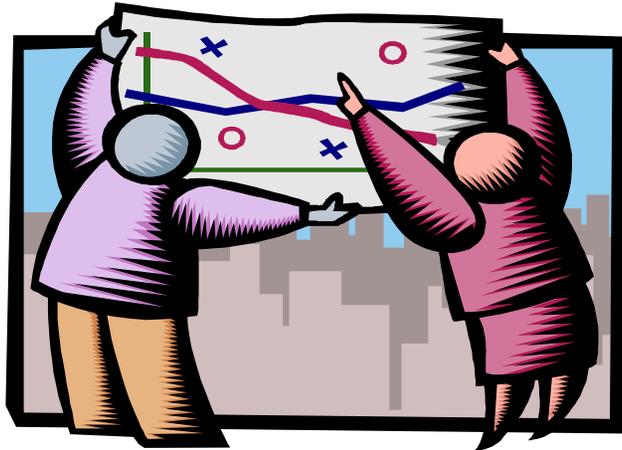


Mid 1980's LEAD TASK TEAM FORMED

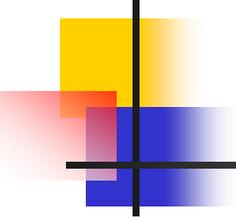


Newly adopted government regulations (EPA and OSHA) complicate maintenance of structures coated with lead paint, primarily "red" lead primers.

MISSION OF THE LEAD PAINT TASK TEAM



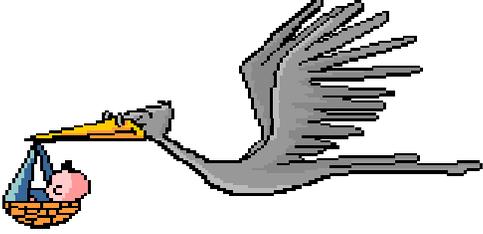
- Establish department policy and procedure
- Provide technical support to the districts
- Cooperate with the Federal Highway Administration



EARLY PROBLEMS

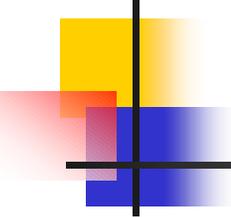


- Insufficient Detail
- Department Decentralization
- Transfer or Retirement of Task Team Members



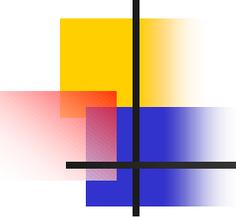
1994 - REBIRTH

- FHWA Concerned, Contacts FDOT
- Task Team Reformed
 - Better Distribution of Membership



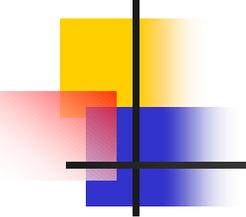
1998 HeMAN Formed

- H e M A N Formed
 - Team mission expanded to deal with Hazardous Paint not just Lead Paint



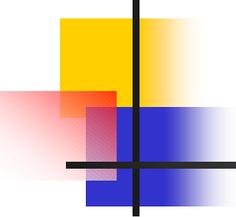
DEFINITION - HAZARDOUS PAINT

- Heavy Metals
 - Lead (>0.01%, % by weight)
 - Chromium (>1.0 ppm, TCLP)
 - Cadmium (>1.0 ppm, TCLP)



DEFINITION – HAZARDOUS PAINT PROJECT

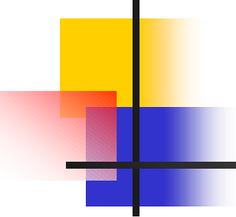
- Any Operation Which Disturbs Hazardous Paint
 - Cleaning and Painting
 - Repairs
 - Removal of Existing Structures



TACKLING DECENTRALIZATION

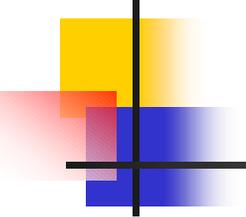


- Construction Project Administration Manual (CPAM) Remains Governing Document
 - Defines Policy and Procedure
 - Delineates Responsibilities
- Specific Instructions and Reference to CPAM Placed in Individual Operational Area Documents

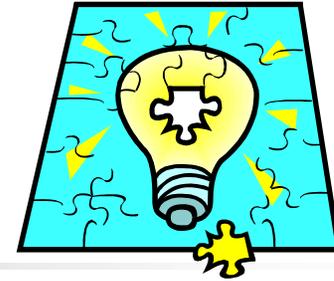


PRESENT TO FUTURE

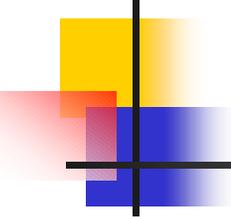




CURRENT CONCERNS

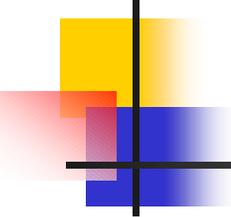


- Not Enough Specially Trained Individuals At the District Level (In-house and CEI)
- Project Managers Inundated with Submittals
- Contractors Not Fully Educated
- “Bottleneck at State Materials Office”
 - Difficulty Obtaining TSPs Quickly
 - Chemist Administrator’s time monopolized by condition assessment and specifications



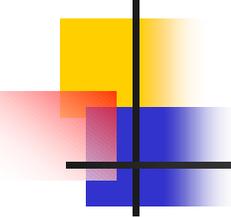
TRAINING

- SSPC (www.sspc.org)
 - C-1, Fundamentals of Protective Coatings
 - C-2, Specifying and Managing Coatings Projects
 - C-3, Competent Person/Supervisor for the Deleading of Industrial Structures



TRAINING (cont'd)

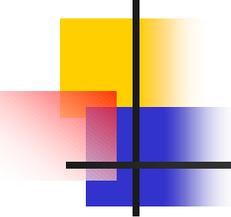
- National Highway Institute
 - Short Course
 - Bob Kogler, FHWA, (202) 493-3080



RESOURCES (Handout)

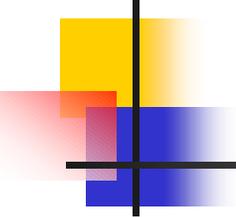
- Internet, Internet, Internet!
- Reference Materials
- Consultant
- State Materials Office





REDUCTION OF SUBMITTALS

- Standardize Common Procedures
 - Repairs, Correction of Deficiencies
 - Materials Certification



CERTIFICATION

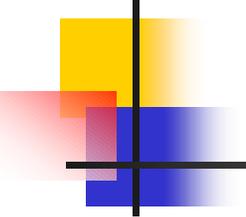


■ CONTRACTOR

- SSPC QP2, Category A
- Cleaning and Painting (Scope Defined)
- Removal of Existing Structures

■ CONSULTANT/CEI

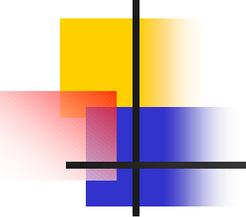
- SSPC, Coatings Specialist
- NACE, Level III Inspector
- Experience (# of Projects, Years)



CERTIFICATION



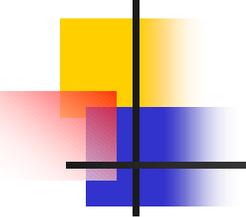
- QP2 Too Extensive for Demolition Projects
 - Section 110 will be revised by HeMAN
- No Disciplinary Action Criteria
 - Participation in PCCP
 - Bill Shoup, SSPC, (412) 281-2331 x230



OPENING THE BOTTLENECK

- District Will Obtain TSPs from Consultants
- Chemist Administrator is Still Available
 - High Profile Projects
 - High Dollar Projects





SUMMARY

- Outline Program In Detail
 - TQM, Process Improvement
- Communication/Teamwork
- Choose and Train Personnel Wisely
- Standardize, Avoid Submittals
- Manage Contractors and Consultants
- Participate in PCCP