

Overview of Vision 2020

Dave Whitmore
Vector Corrosion Technologies

INTERNATIONAL
CONCRETE REPAIR
INSTITUTE

2017 Fall Convention | November 15-17 | New Orleans, LA

Outline

- 1 • History of How it Started
- 2 • What has been Accomplished?
- 3 • What Next?

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Vision 2020 - Mission

To provide a strategic plan for the Concrete Repair Industry

➔ Make our industry more Efficient, Effective, Green, Safe, and Fun by 2020.



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Vision 2020 - Goals (Part I)

1. Industry Cooperation
2. Accelerate Industry Documents
3. Create Repair Code
4. Create Repair Specifications
5. Improve Repair Materials
6. Friendly Repair Methods/Materials
7. Predict Performance
8. Strategic Repair Research Council



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Vision 2020 - Goals (Part 2)

9. Recruiting, Increase Professionals
10. Improve Project Relationships
11. Educate Owners
12. Accurate Assessment
13. Specific Repair Systems
14. Branding & Promotion of Concrete Repair Industry
15. Sustainability of Concrete Repair



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What has been Accomplished?



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1. Industry Cooperation

- Vision 2020 Council established
- Concrete Repair Manual 4th Ed.
- ACI and ICRI Floor Moisture Documents / Programs
- ICRI and SWRI Horizontal Waterproofing Manual
- ICRI and PTI P/T Evaluation
- International Co-operation



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2. Accelerated Industry Documents

- Funding for Repair Related Issues
- Internet Portal for Concrete Repair
 - e.g. <Fixconcrete.org>
 - Jointly Owned by ACI & ICRI
- ACI Documents: 302.2R-06 Floor Moisture Document
- ICRI Documents: 510.1-2013 Techniques to Mitigate Corrosion
- PTI Documents: PT Repair



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3. Create Repair Code

- ACI Committee 562 - Concrete Repair Code published in 2013 (Revised 2016)
- ICRI Committee 150 and ACI Committee 562 – Guide to Concrete Repair Code completed in 2016



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4. Create Specifications

- ACI Committee 563 – Repair Specifications – performance based specifications
- ICRI Committees 110 & 330 - Guide specifications
- ICRI 130.1R-2009, Guide for Methods of Measurement and Contract Types for Concrete Repair Work



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5. Improve Repair Materials

- ACI Committee 546.3R Repair Material Selection Guide
- ICRI 320.2R – 2009, Selecting and Specifying Repair Materials
- ICRI 320.3R – 2012 Data Sheet Protocol for Inorganic Repair Materials
- EN1504 Products and Systems and ISO 16311



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6. Friendlier Repair Methodologies & Materials

- ICRI Committee 120 White Paper on Silica in the Repair Environment
- Formation of Sustainability committees at ICRI and ACI
- Formation of ICRI Safety Committee, ICRI 120.1 – 2009 Guidelines for Safety in the Concrete Repair Industry and ICRI CRB article entitled "Safety Solutions."



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7. Predict Performance

- US Bureau of Reclamation Project
 - M-82 Test Protocol for Corrosion Mitigation
- ACI Life 365 Model, Stadium Model, etc.



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8. Strategic Repair Research Council

- SDC Established Strategic Repair Research Council (SRRC) in 2012
 - Part of ACI Research Foundation
 - Evaluate and Fund Repair Related Research Topics



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9. Increase Professionals, Recruitment

- Concrete Industry Management (CIM) Program – Undergraduate Program
- CIM at different Universities with Scholarship program for attending ICRI and ACI conventions
- Target Universities to Offer Concrete Repair Related Classes and Post-graduate Program



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10. Improve Project Relationships

- ICRI established Procurement Methods and Relationship Committee 130



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11. Educate Owners

- Many Activities and Documents are being used to Educate Owners



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12. Condition Assessment

- Many Guidelines Developed on how to perform condition assessment and utilize condition assessment data, ACI-364-1R; SEI/ASCE 11-99; SEO/ASCE 30-00, TCRP Report 157, ICRI 210.4-2009 NDE Methods for Condition Assessment, etc.
- Use of New Technologies in Condition Assessment, e.g. Laser Scanning, Remote Inspection using Drones



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13. Specific Repair Systems

- Goal suspended



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14. Branding & Promotion

- Goal added at Fall 2011 Workshop
- One Objective: New Name for the Concrete Repair Industry:
 - Repair, Rehabilitation, Restoration, Renewal, Repurpose, Re-use, Extending Service Life etc.



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15. Sustainability

- Goal added at Fall 2011 Workshop
- Promote, Celebrate and Share the Benefits of Repair as one of the most sustainable activities around
- Build with the intention of Re-use and Repurpose
- Recognition of repair within the LEED system
- Develop Analytic Tools, Models to Predict Service Life



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Where Do We Go From Here?

- A lot has been accomplished
- Still lots to do



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What Are Our Priorities?

- We do not have resources to do everything at once
- We need to prioritize our efforts to see results
- The objectives of this session are;
- To discuss the goals we are focusing on
- Gather your input and suggestions



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What Are Our Priorities?

- Our current #1 priority is:
- Adoption of the Repair Code



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We Want Your Input

- We want your input with regard to other priorities
- Priorities can include some of the goals we have been working on
- Priorities can include new goals
- We want your input

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Today


- This morning we will have presentations on:
 - Industry-wide Cooperation
 - Procurement
 - Sustainability
 - Repair Code Adoption
- This afternoon we will have a breakout session to discuss these and other topics
- Please feel free to participate. We want your input.

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Thank You

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