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# S&T Stakeholders Conference

## Infrastructure and Geophysical Division Overview

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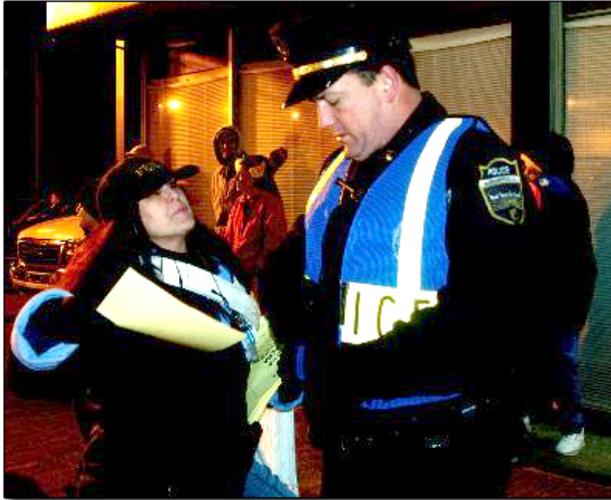
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*PARTNERING FOR A SAFER NATION*

# Preparedness & Response (P&R)



Enhanced  
Situational  
Awareness and  
Preparedness to  
Improve Response  
and Recovery



# P&R: Overview

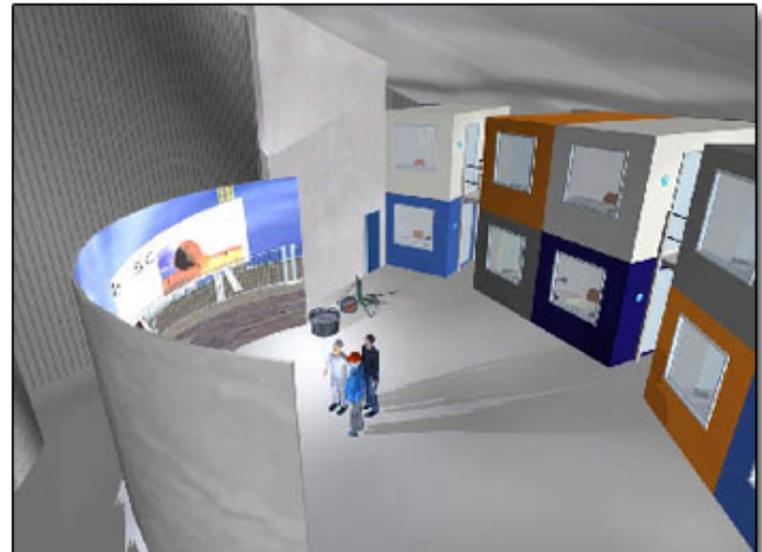


Objectives ♦ R&D Investments ♦ Customers ♦ End-Users

# P&R: Unified Incident Command and Decision Support (UICDS)



# P&R: Training, Exercise and Lessons Learned (TELL)



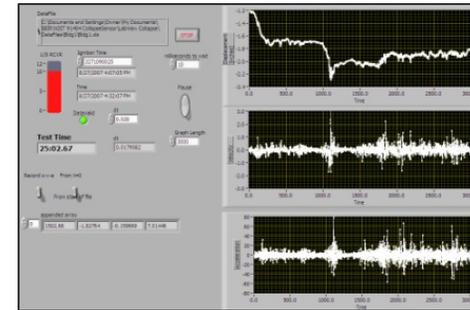
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# P&R: Regional Technology Integration (RTI)

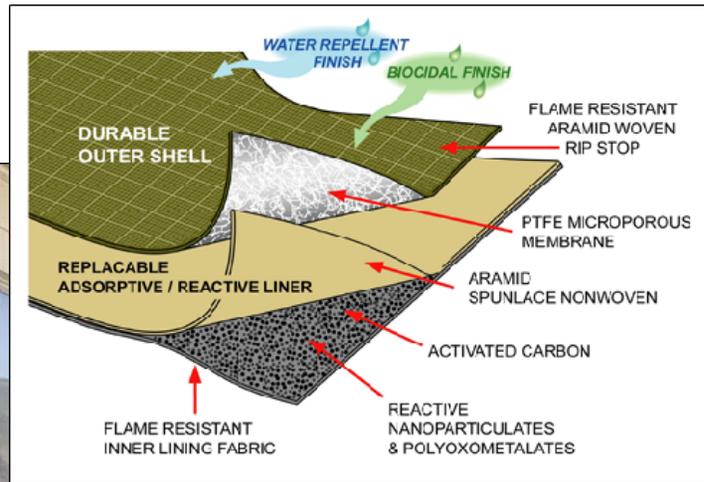


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# P&R: Structural Stability



# P&R: Personal Protective Equipment

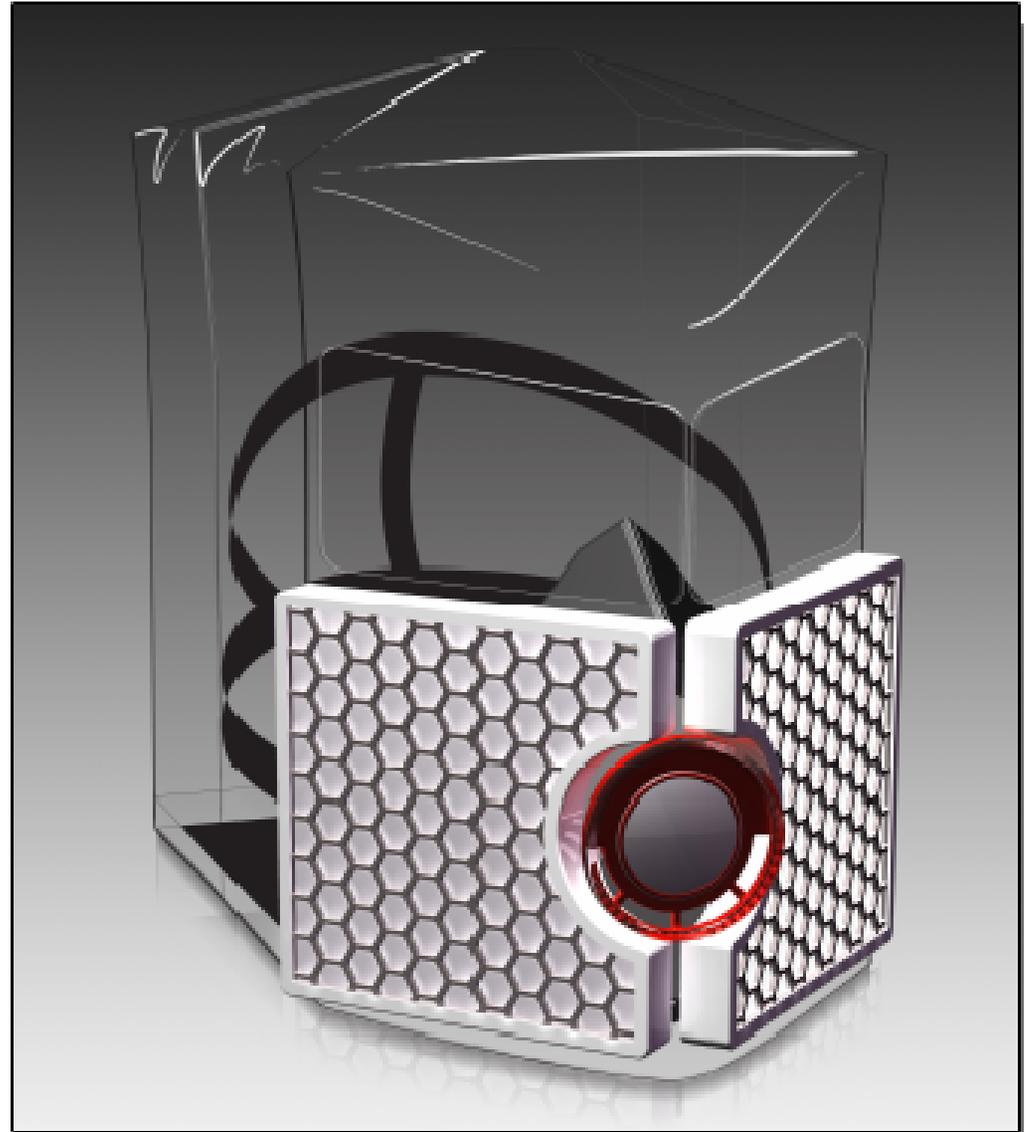


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# P&R: Escape Hood

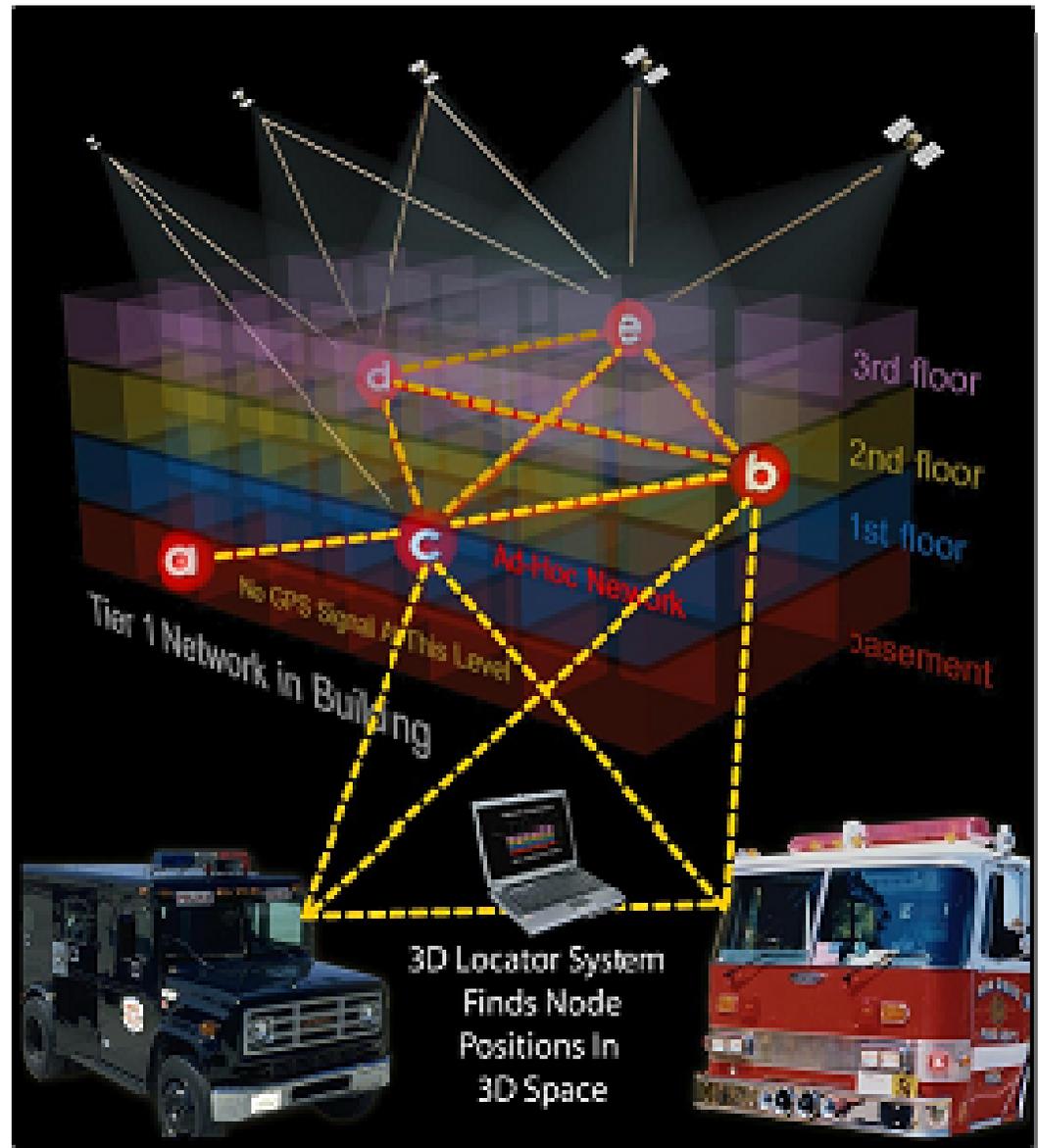


The concealable mask



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# P&R: 3-D Locator



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# Infrastructure Protection (IP)



Objectives ♦ R&D Investments ♦ Customers ♦ End-Users



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# Critical Infrastructure

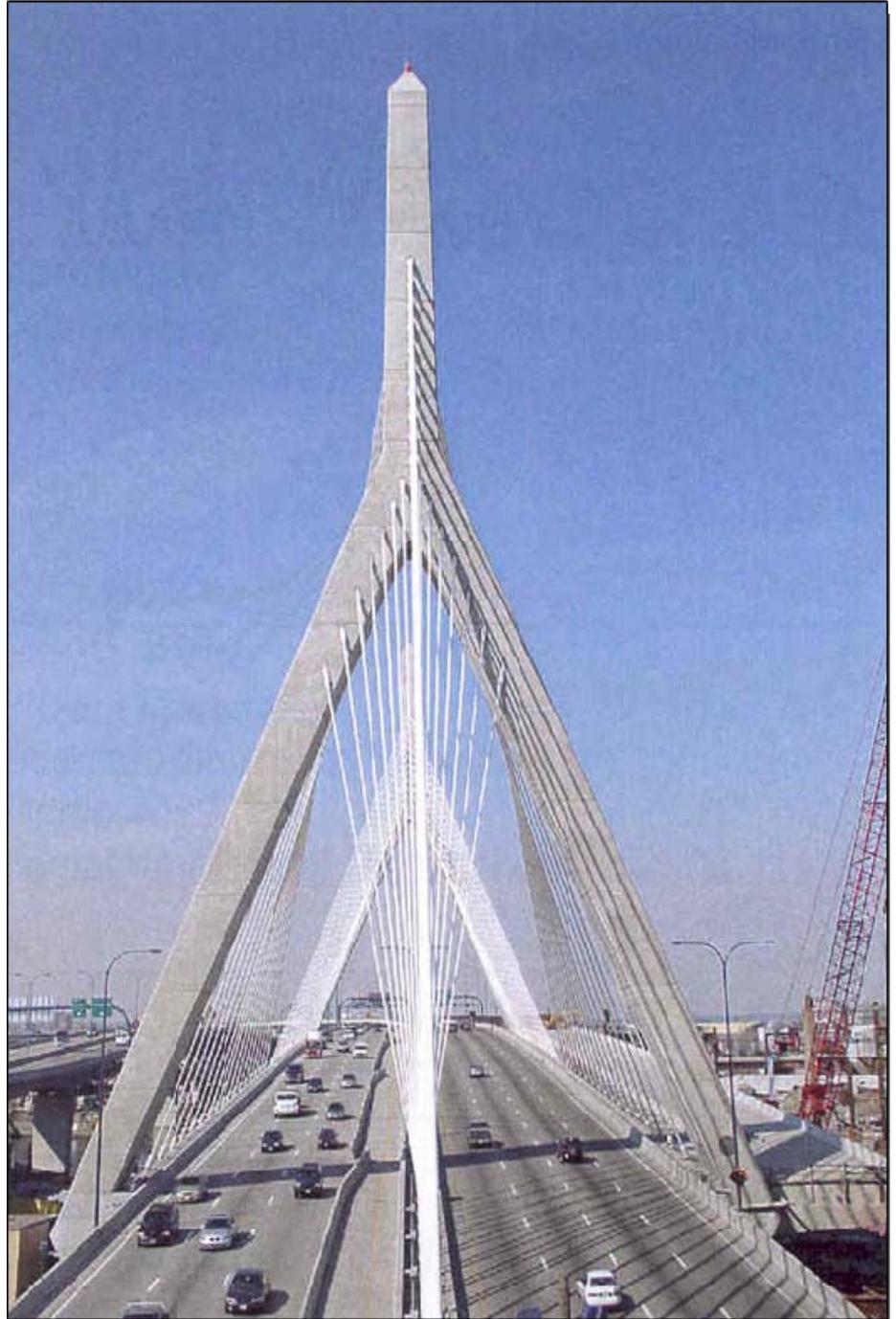


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# IP: Mitigation for Cable-Stayed Bridges

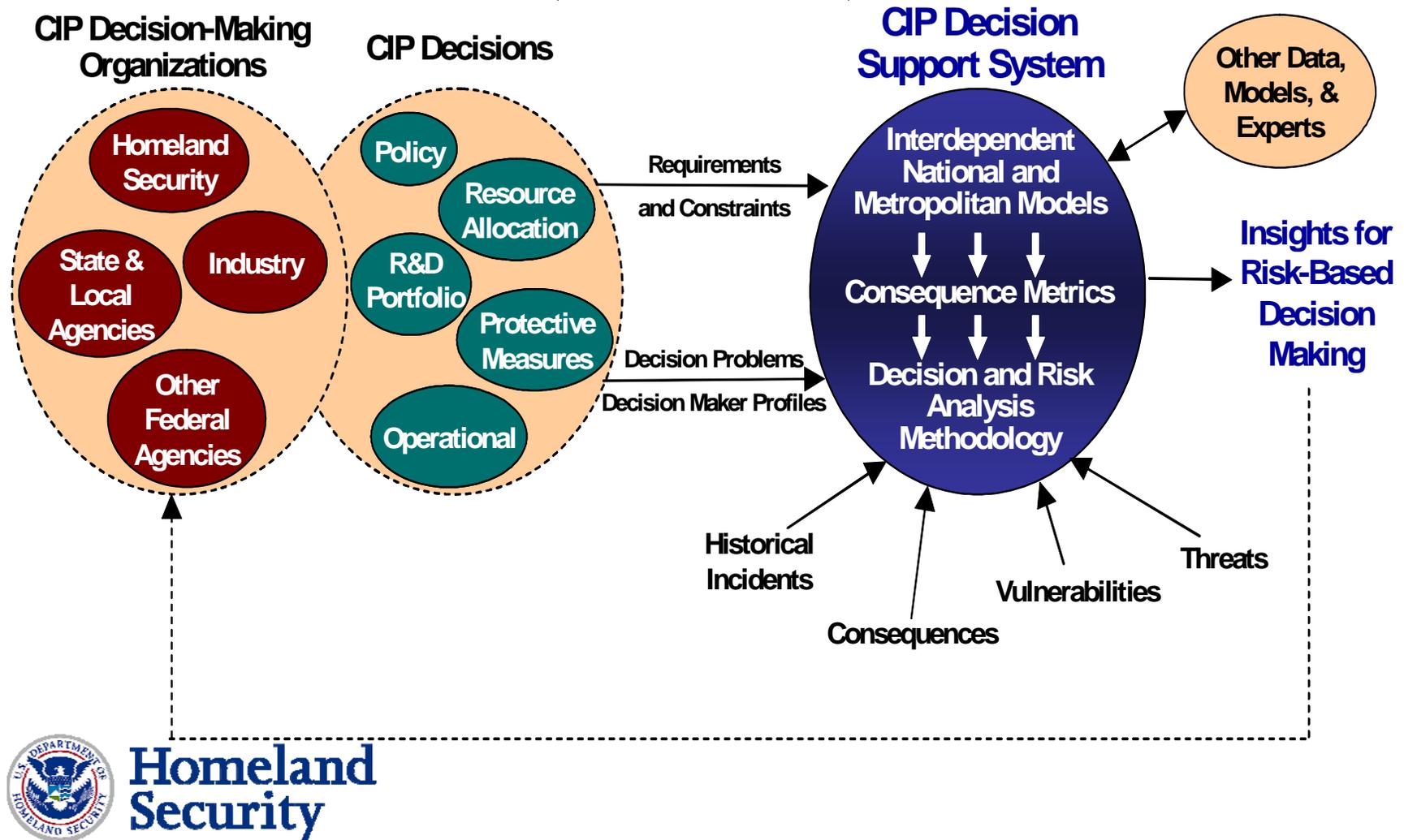


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# IP: Modeling, Simulation, and Analysis

## Interdependencies Model Build-Out (CIP/DSS)

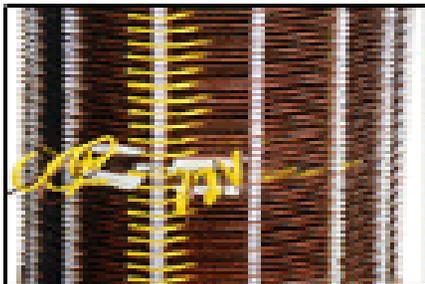
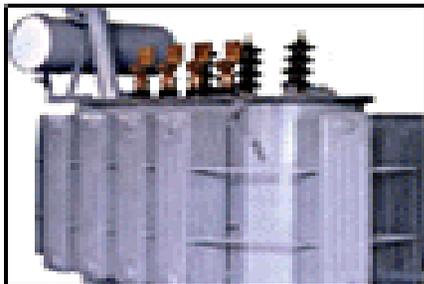


# IP: Levee Strengthening & Rapid Repair



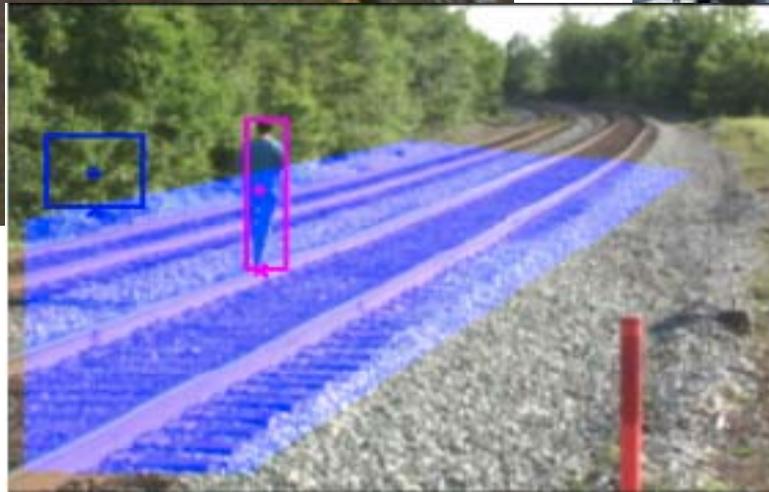
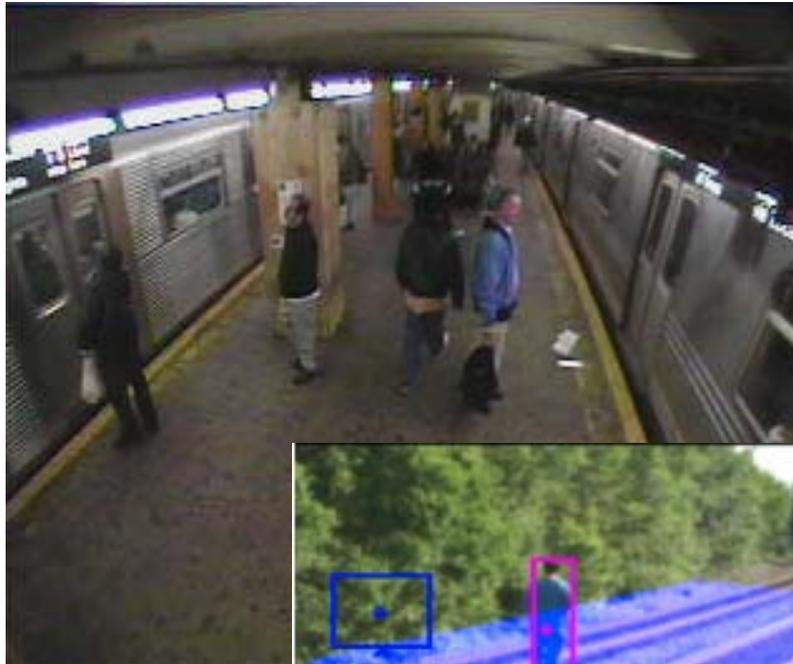
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# IP: Response and Recovery Technologies – Recovery Transformer



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# IP: Advanced Surveillance Detection Systems



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# IP: Community Based Technologies



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# Geophysical

## Southeast Region Research Initiative (SERRI)



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# Geophysical



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Infrastructure and Geophysical Division **will increase the Nation's preparedness** for and response to natural and man-made threats **through superior situational awareness, enhanced emergency responder capabilities, and critical infrastructure protection**

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