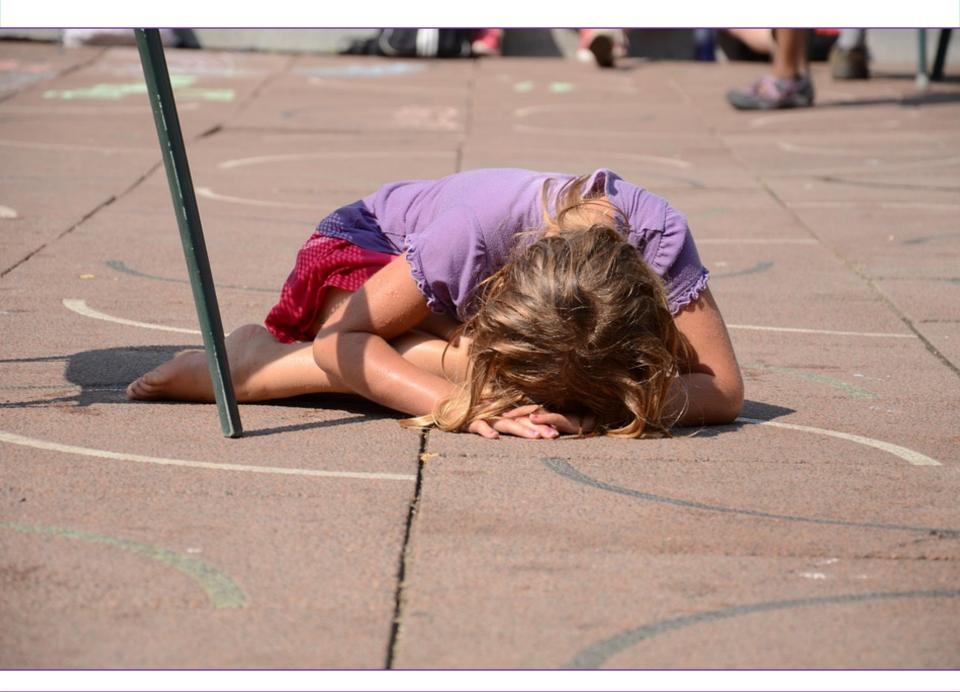
Using Technology to Improve Assessments

Cynthia G. Parshall, PhD Principal Consultant Touchstone Consulting



nventory of Teacher Technology Skills (ITTS)



ITTS Examples



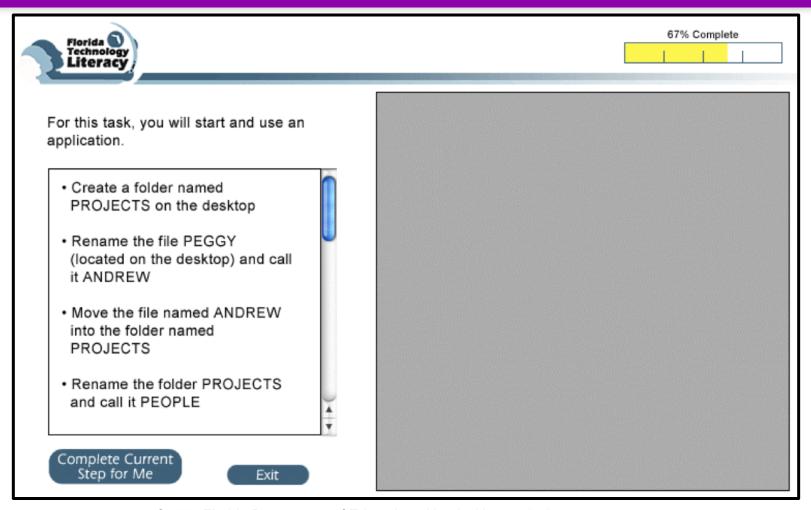
Harmes, J.C., Parshall, C.G., Rendina-Gobioff, G., Jones, P.K., Githens, M.P., & Dennard, A. (2004, November). *Integrating Usability Methods into the CBT Development Process: Case Study of a Technology Literacy Assessment*. Paper presented at the annual meeting of FERA, Tampa, November 17-19.

Example 1 - File Management Prototype

LOGO - TITLE AREA	
Task setup – overview/description	
Instructions- Complete the task by following each of the steps in order in the left column	
below	
STEPS:	Tasks
1. Create a folder	
named PROJECTS	
on the desktop	
2. Rename the file	
PEGGY (located on	
the desktop) and call	
it ANDREW	
3. Move the file named	
ANDREW into the	
folder named	
PROJECTS	
4. Rename the folder	
PROJECTS and call	
it PEOPLE	
Omit this step (underneath	Submit task
scrollbox for Steps)	

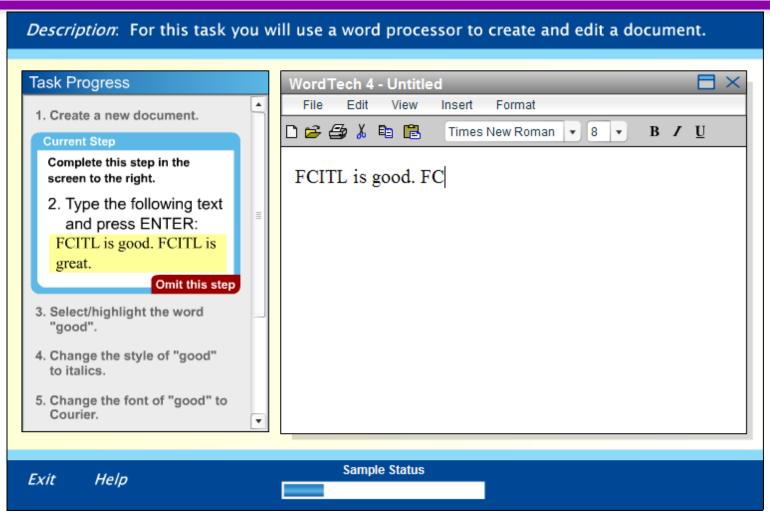
©2005 Florida Department of Education. Used with permission.

Revised File Management Prototype



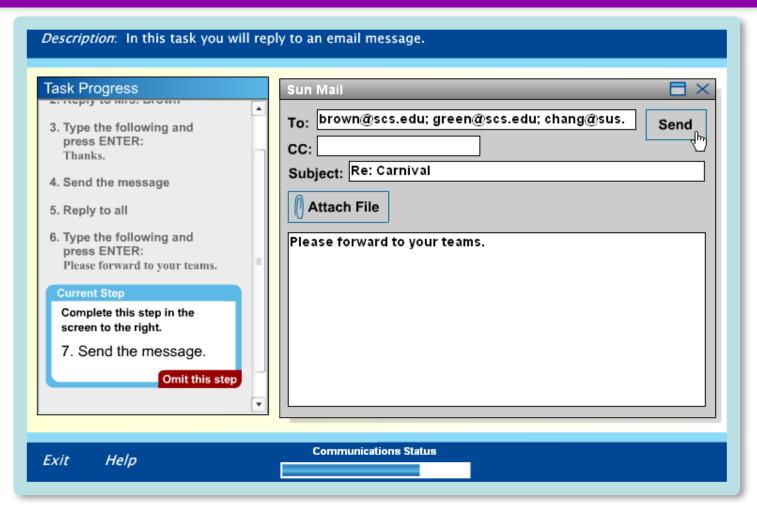
©2005 Florida Department of Education. Used with permission.

Final Design - Word Processor



©2005 Florida Department of Education. Used with permission.

Final Design - Email Application



©2005 Florida Department of Education. Used with permission.

Driver Certificate of Professional Competence (CPC)

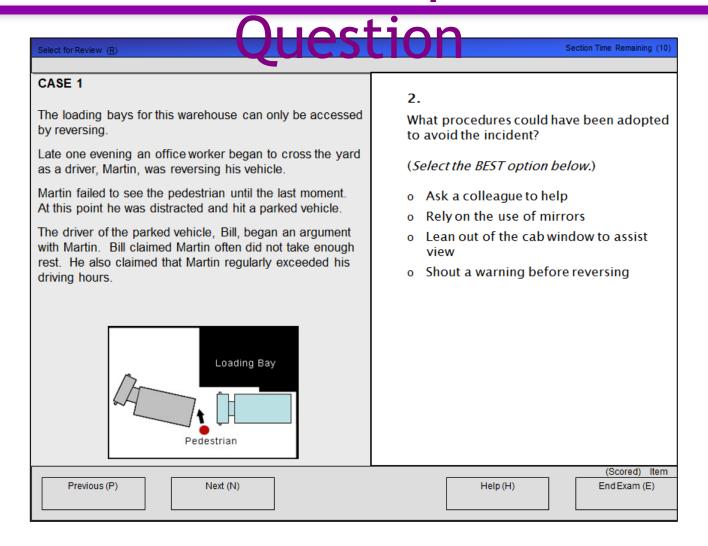


CPC Example 1 - Case

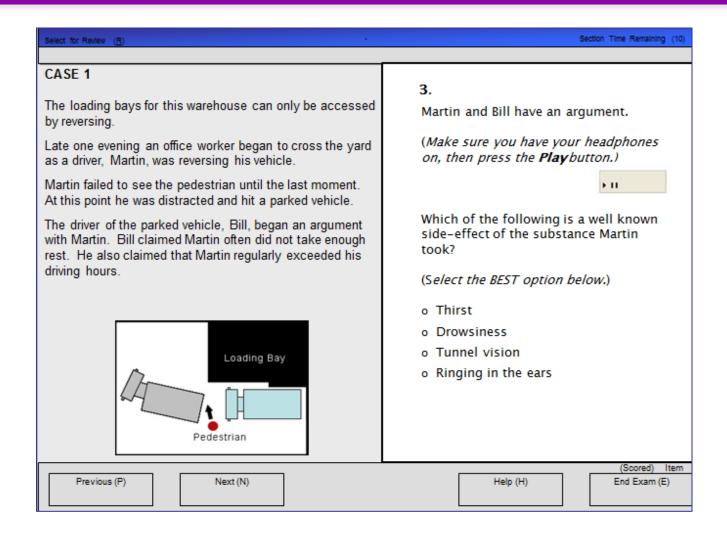


Kayser, M., & Parshall, C.G. (2008, March). *Building a Global Innovative Test*. Presented at the annual meeting of the Association of Test Publishers, Dallas, TX.

CPC Case - Multiple Choice

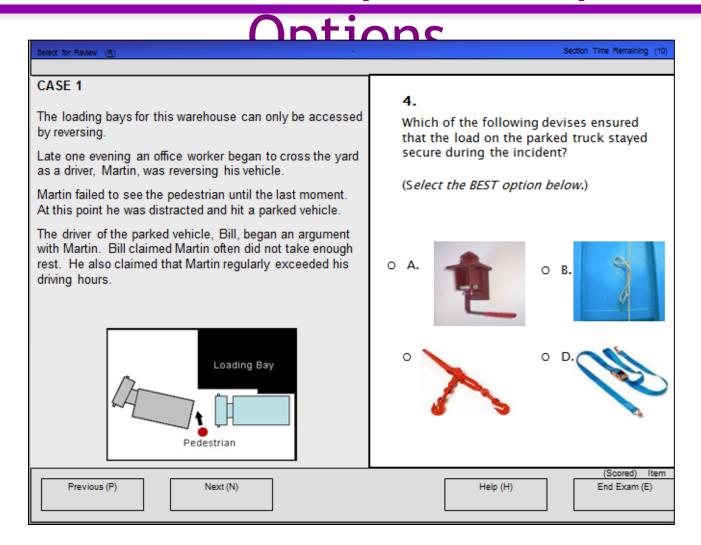


CPC Case - Audio Question



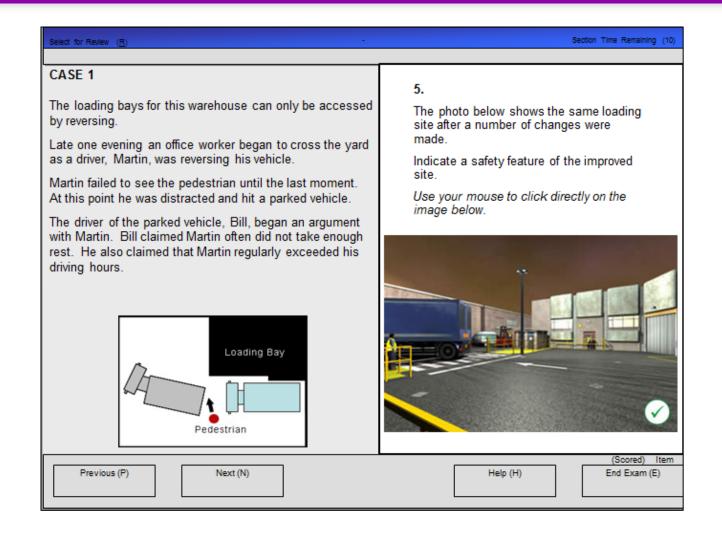
Kayser, M., & Parshall, C.G. (2008, March). *Building a Global Innovative Test*. Presented at the annual meeting of the Association of Test Publishers, Dallas, TX.

CPC Case - Graphic Response



Kayser, M., & Parshall, C.G. (2008, March). *Building a Global Innovative Test*. Presented at the annual meeting of the Association of Test Publishers, Dallas, TX.

CPC Case - Hotspot Question



Kayser, M., & Parshall, C.G. (2008, March). *Building a Global Innovative Test*. Presented at the annual meeting of the Association of Test Publishers, Dallas, TX.

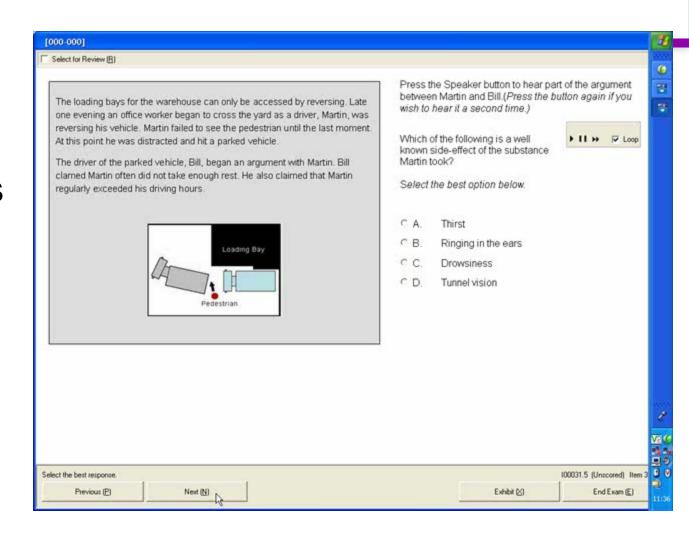
CPC Example 2 - Audio Question



Kayser, M., & Parshall, C.G. (2008, March). *Building a Global Innovative Test*. Presented at the annual meeting of the Association of Test Publishers, Dallas, TX.

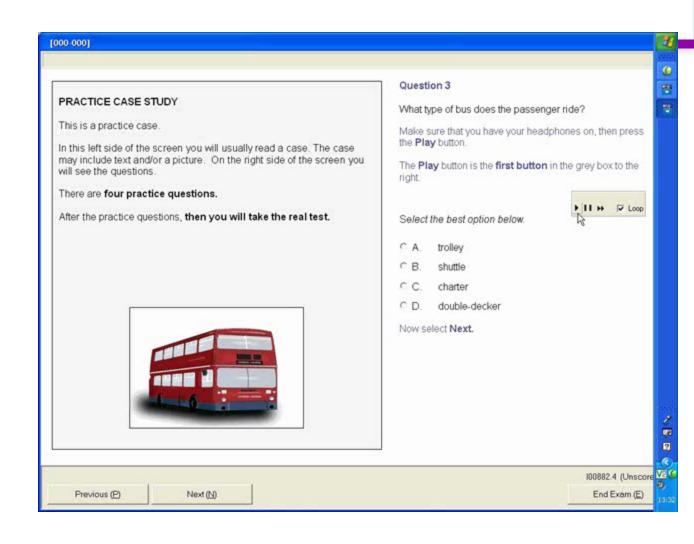
Audio – Second Usability Round

The participants had several difficulties with the audio player.



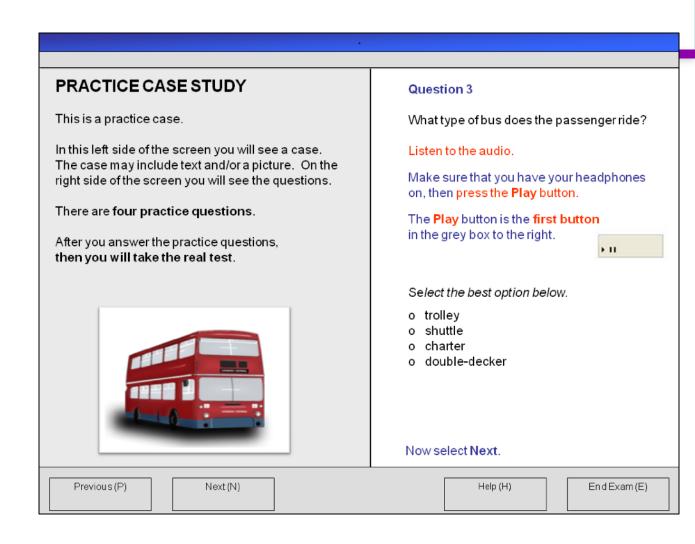
Audio – Third Usability Round

Some participants still found the instructions insufficiently clear.



Audio – Final Usability Round

The orange font color, along with a simplified audio player, were successful.



Council of Landscape Architectural Registration Boards (CLARB)

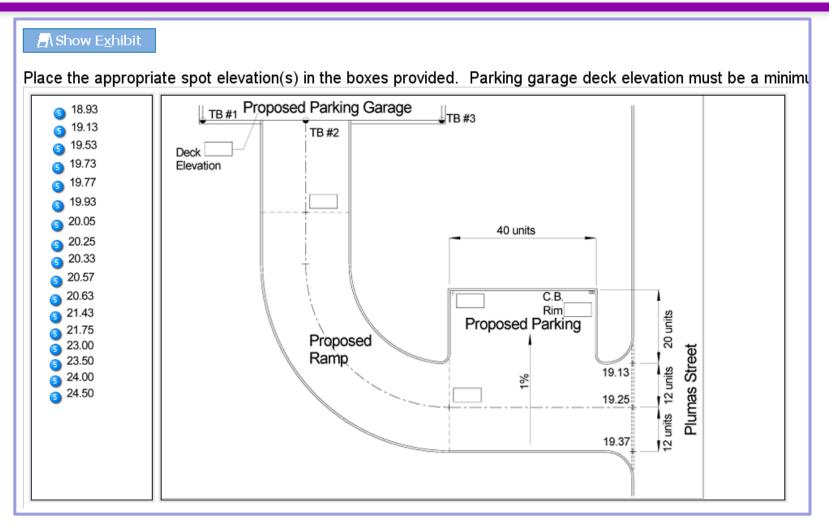


CLARB Example 1



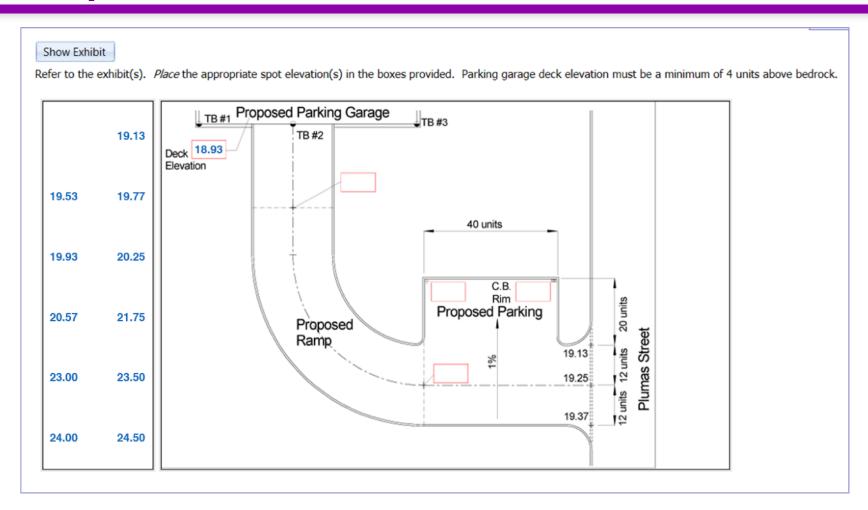
Cadle, A., Parshall, C.G., & Baker, J. (2013, February). *Development of a New Item Type: The Drag and Place Item.* Presented at the annual meeting of ATP, Ft. Lauderdale, FL, February 3-6.

Spot Elevation - Early Round



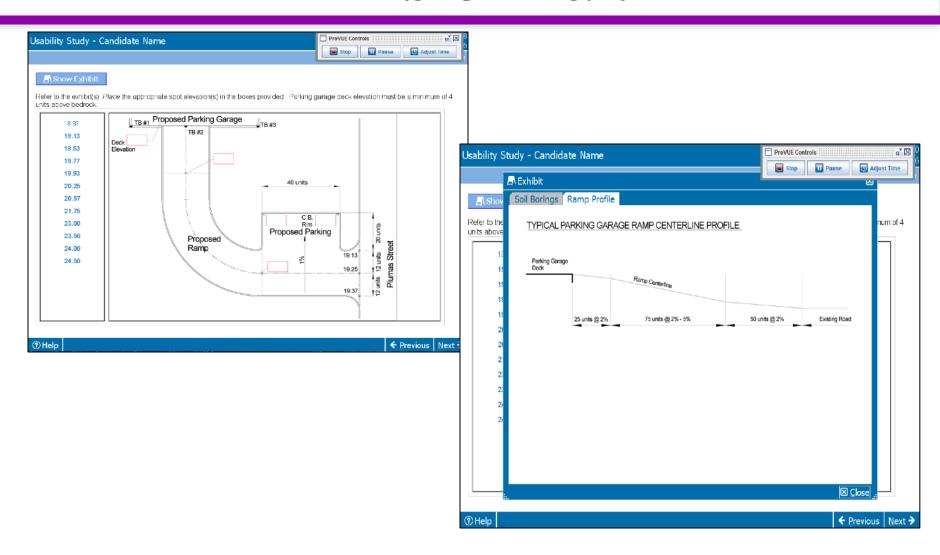
Cadle, A., Parshall, C.G., & Baker, J. (2013, February). *Development of a New Item Type: The Drag and Place Item.* Presented at the annual meeting of ATP, Ft. Lauderdale, FL, February 3-6.

Spot Elevation - Later Round



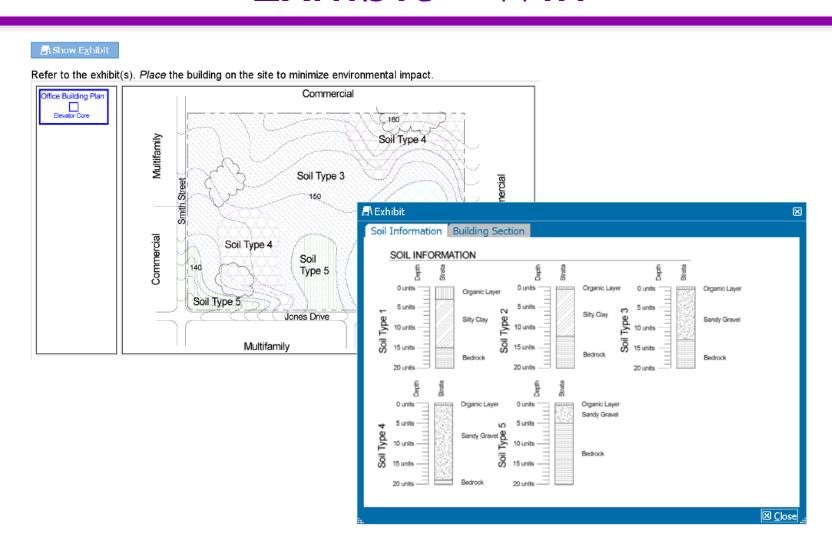
Cadle, A., Parshall, C.G., & Baker, J. (2013, February). *Development of a New Item Type: The Drag and Place Item.* Presented at the annual meeting of ATP, Ft. Lauderdale, FL, February 3-6.

Exhibit - Fail



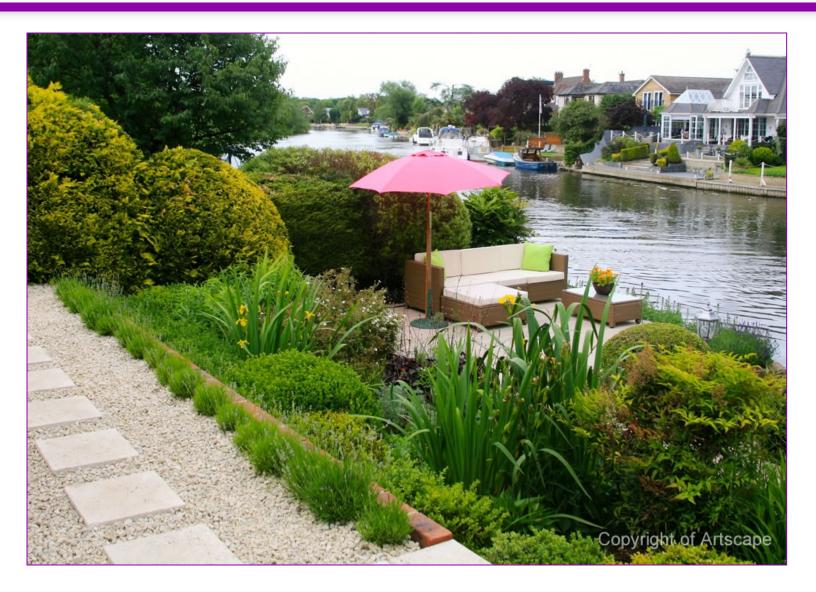
Cadle, A., Parshall, C.G., & Baker, J. (2013, February). *Development of a New Item Type: The Drag and Place Item*. Presented at the annual meeting of ATP, Ft. Lauderdale, FL, February 3-6.

Exhibit - Win

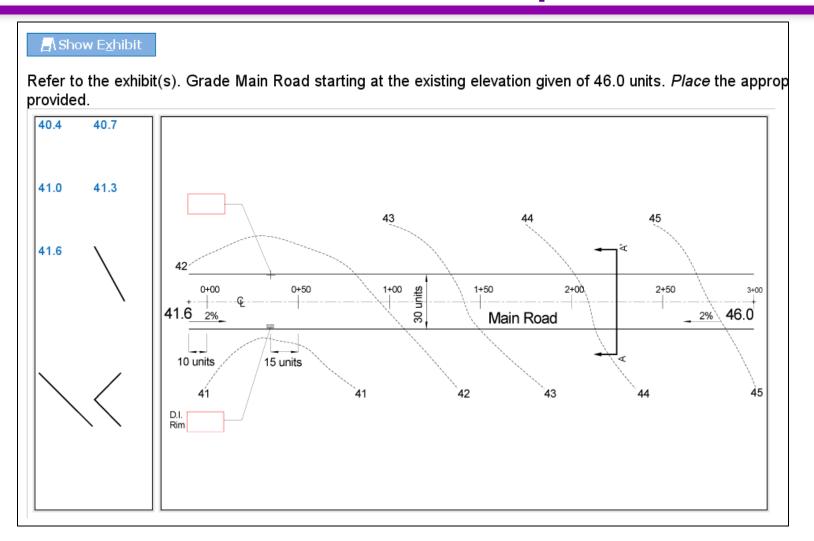


Cadle, A., Parshall, C.G., & Baker, J. (2013, February). *Development of a New Item Type: The Drag and Place Item.* Presented at the annual meeting of ATP, Ft. Lauderdale, FL, February 3-6.

CLARB Example 2



Item Interface - Unexpected Win



Cadle, A., Parshall, C.G., & Baker, J. (2013, February). *Development of a New Item Type: The Drag and Place Item.* Presented at the annual meeting of ATP, Ft. Lauderdale, FL, February 3-6.



Thank you!

Cynthia G. Parshall, PhD

Principal Consultant

Touchstone Consulting

CParshall@Touchstone.Consulting

https://www.linkedin.com/in/cynthiaparshall-16530286