1. **What do I want to accomplish, and what do I want YOU to take away** from this presentation?

   - **KEEP WORKERS ALIVE (# 1 Goal)!!!**
     Construction Workers are dying in excavations; YOUR JOB is to keep them ALIVE!

     According to NIOSH (National Institute for Occup. Safety & Health) & BLS during 1992 – 2001 there were 542 fatalities associated with trenching & excavation. Annual totals ranged from a low of 44 in 1993 to a high of 65 in 1996, and averaged 54 fatalities per year during that 9-10 year period.

     In May 1993, NIOSH said 60 workers had died in trench cave-ins/year during the 10 years between 1980 and 1989. NIOSH Director Dr. J. Donald Millar said these deaths are entirely preventable. “It is appalling that workers continue to be buried alive in cave-ins. Almost without exception, these deaths can be prevented with Existing Safety Precautions. These are not accidents, but incidents that can both be anticipated and avoided,” said Millar.

     In July 1985, NIOSH said 75 workers had died in trench cave-ins/year in the 5 years between 1976 & 1981

   - Keep Employers out of trouble with OSHA, aka “Help you KEEP YOUR MONEY $$$
     Construction Employers/Contractors get to pay USDOL-OSHA fines and/or GO TO JAIL

   - “Learn you something”, i.e., Help you know (at all times) that the trench you are digging is IN COMPLIANCE (see point immediately above)
     You MAY learn how to dig a hole safely & stay/remain in compliance

   - Help you & your employees **choose** a new “Mindset”, so that when YOU dig that next hole you KNOW that it is SAFE & DONE RIGHT.

   - (REMEMBER: **Attitudes** affect the choices you make; AND WE KNOW THAT Choices have Consequences (a result of an action; or outcomes); **Safety** is the Result of having made Good Choices.)
2. BUT WHAT DO YOU HOPE TO TAKE AWAY FROM THIS SESSION??
What do YOU want covered??  What do you NEED HELP with??

- Take 2 minutes & let Attendees speak or write out needs (Take NOTES below)

_____________________________________________________________________________________

_____________________________________________________________________________________

_____________________________________________________________________________________


3. WHAT IS INTEGRITY?  [Doing the right thing every time whether anyone is watching!]

4. Allow me to share with you a SLOGAN: “D – I – R – T – F - T” (DO IT RIGHT THE FIRST TIME). But How – you may ask? (We hope to answer that in the following presentation.) But WHY do it right – you may ask? 

“THE CHOICES YOU MAKE HAVE CONSEQUENCES!!!!!”

- Did you know that in my dictionary the word right next to the word “C-O-N-S-E-Q-U-E-N-C-E” is the word “C-O-N-S-C-I-E-N-T-I-O-U-S :

  - Webster’s defines conscientious as, “1. governed by, or made or done according to, what one knows is right; scrupulous (characterized by careful attention to what is right or proper); honest. 2. Showing care and precision; painstaking.”

IT ALWAYS COMES BACK TO THE CHOICE(S) YOU MAKE!!

- If you don’t take anything else away from here today, then please let it be D – I – R – T – F – T!

5. SHARE JUNE 25TH & JUNE 26TH devotions from Dr. David Jeremiah’s Sanctuary!!

6. LET ME CLEAR UP A MAJOR MYTH & MISUNDERSTANDING:

29 CFR 1926.652(a)(1)(ii) DOES NOT SAY, ‘You can dig any ole hole any ole way YOU want to UNTIL it gets 5 feet deep!!’

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1926.652(a) “Protection of Employees in excavations”

(1) “Each employee in an excavation SHALL BE protected from cave-ins (read definition) by an ADEQUATE PROTECTIVE SYSTEM designed (implies that YOU
make a decision) in accordance with paragraph (b) or (c) of this section, except when:

(i) Excavations are made entirely in stable rock; OR

(ii) Excavations are less than 5 feet (1.52 m) in depth AND examination of the ground by a COMPETENT PERSON provides NO INDICATION of a potential cave-in. (When, if ever, is that going to happen?)

WHAT, then, ARE YOUR OPTIONS??

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1926.652 (b) “Design of sloping and benching systems.”

(b)(1) Allowable configurations and slopes

(b)(1)(i) Excavations SHALL BE SLOPED at an angle not steeper than one and one-half horizontal to one vertical (34 degrees measured from the horizontal), unless the employer uses one of the other options listed below.

(b)(1)(ii) Slopes specified in paragraph (b)(1)(i) of this section, SHALL BE EXCAVATED to form configurations that are in accordance with the slopes shown for TYPE C soil in APPENDIX B to this subpart.

Or

1926.652(b)(2) Determination of slopes and configurations using conditions and requirements of Appendices A & B . . . or

1926.652(b)(3) Designs using other Tabulated Data (tables & charts approved by a registered professional engineer to design and construct a protective system), or

1926.652(b)(4) Design by a Registered Professional Engineer, OR
1926.652(c) “Designs of support systems, shield systems, and other protective systems shall be selected and constructed by the employer . . . and shall be in accordance with . . . :”

(c)(1) Designs for timber shoring . . . using Appendices A, C & D, or

(c)(2) Designs of support systems, shield systems, or other protective systems . . . from Manufacturer’s Tabulated Data, or

(c)(3) Designs of support systems, shield systems, or other protective systems shall be selected from . . . other Tabulated Data, or

(c)(4) Designs of support systems, shield systems, or other protective systems not utilizing Option 1, Option 2, or Option 3, above, shall be approved by a registered professional engineer.

IF YOU ARE DIGGING IN TYPE C SOIL, THERE IS NO BENCHING ALLOWED!! IF there is NO Competent Person, NO Soils Survey, and NO Soil Tests, then EVERY INCH MUST BE SLOPED AT 1.5 : 1 (34 degrees))!! NO IFS, ANDS or BUTS!!

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