

Project 2 / Report 2**Due: 3:35pm, Monday November 14, 2005.**

Please use a word processor for preparing your answers.

This is a group project. The exercise will be completed in class on Monday November 7. You should be able to complete the **group** project report electronically. Turn in only report per group.

Objective

1. To explore the engineering design process
2. To experiment with team building

The Exercise

Using one sheet of paper and a file label design and build a simply supported beam that can support 4 pieces of candy supported in a paper plate using two cable ties. The beam must have a minimum clear span of at least 65 cm (25.4 inches). The soda cans are used as the supports.

Your Report

1. Document the design process
2. Document your construction process (include a photo of the team and the product prior to testing)
3. Assess your design (strengths and weaknesses)
4. Describe the team interactions (do not name names)
5. Using the following table assess the teams strengths and weaknesses.
6. Describe what you would do differently to make your team function better.

| Group Processing Plus/Delta Format | |
|--|---|
| Plus (+) Things That Group Did Well | Delta (?) Things Group Could Improve |
| | |

| Last Name | First Name | User ID | GROUPA | | | | | | | | |
|-------------|-------------|--------------|--------|-------------|-----------|----------|-----|-------------|------------|----------|-----|
| Haskell | Christopher | haskell | a13 | Reilly | Timothy | tpreilly | a4 | | | | |
| Adams | Daniel | dadams | a17 | Hatgipetros | Maria | mhatgi | a9 | Reyes | Jesus | jreyes | a16 |
| Alestock | James | alestock | a6 | Henderson | Alexander | alexphen | a18 | Rockwell | Jeffrey | jrock | a2 |
| Alexander | Michael | themike | a16 | Hood | Matthew | mchood | a7 | Rosenberg | Jamie | hope | a2 |
| Allmond | Jacquelyn | jallmond | a8 | Huseman | Tiffany | thuseman | a19 | Sanders | Skip | skipper | a1 |
| Autz | Ryan | rautz | a10 | Jasperse | Ian | imj | a5 | Schendowich | Max | maxs | a7 |
| Baseman | Gregory | gbaseman | a21 | Johnson | Matthew | matthewj | a24 | Schiavone | Robert | rts | a3 |
| Becraft | Ryan | rmb | a8 | Kamal | Taiseer | tkamal | a13 | Schilling | Alexandra | schill | a23 |
| Belknap | Alex | abelknap | a7 | Kane | Colleen | cmkane | a9 | Seaman | Emily | eseaman | a4 |
| Berry | George | ripcurl | a12 | Karas | Stephanie | stephkar | a19 | Senkewicz | Timothy | tsenk | a10 |
| Black | Laura | lblack | a3 | Khalil | Malcolm | mkhalil | a25 | Smith | Owen | osmith | a17 |
| Blake | Casey | cblake | a19 | Lafreniere | Corie | corielaf | a13 | Smith | Janay | janay | a14 |
| Boettger | John | jboet | a2 | Lampugnani | Giuseppe | italicus | a1 | Solomon | Farrah | fsolomon | a20 |
| Boland | Thomas | tboland | a8 | Libby | Drew | dlibby | a6 | Spencer | Shawn | spencers | a10 |
| Burke | Timothy | burket | a23 | Luen | Joey | luen | a24 | Sporik | Daniel | arsenal | a11 |
| Callow | Pamela | pcallow | a17 | MacKinnon | Benjamin | benmack | a3 | Stephens | Jonathan | jwsteph | a6 |
| Canataro | Thomas | tomcan | a23 | Malaviya | Sharang | smalaviy | a15 | Studd | Timothy | timstudd | a2 |
| Castoro | Jonathan | jcastoro | a12 | Mandeng | Gabriel | gmandeng | a25 | Sturgis | Michael | mjsturg | a11 |
| Christopher | David | dgc | a7 | Marsh | Jeffrey | jmarsh | a24 | Terry | Kyle | kterry | a23 |
| Clevenger | Kyle | kclev | a10 | Martinez | Hendrik | martinez | a18 | Thames | Taylor | tthames | a4 |
| Cuzme | Ryan | respond | a1 | Marusa | Zenon | zmarusa | a22 | Thompson | Andre | athompso | a5 |
| Daviano | Alex | boricua | A20 | Michaud | Kervin | swervin | a20 | Tice | Jonathan | jatice | a5 |
| Davies | Meredith | mdavies | a9 | Mitchell | Charles | cwwm | a3 | Tobolski | Thomas | tommyt | a16 |
| Duggins | Amanda | aduggins | a18 | Moffatt | TiAwna | tmoffatt | a14 | Vay | Kailly | kailly | a9 |
| Finkle | Sarah | sfinkle | a12 | Morabito | Joshua | jmorab | a21 | Voorhees | Jacob | voorhees | a1 |
| Fiore | Matthew | mfiore | a10 | Morales | Joshua | jmorales | a15 | Ward | Nicholas | runward | a22 |
| Fitzgerald | Amy | amyfitz | a17 | Niblo | Kyle | kniblo | a24 | Watson | Kyle | kww | a13 |
| Fortunato | Bernard | brf | a21 | Parkhurst | Matthew | mpark | a12 | Yorke | Audrey | ayorke | a4 |
| Giberson | Cara | cgiber | a20 | Parseghian | Steven | sedward | a22 | Yoshii | Shigemitsu | shige | a19 |
| Gostomski | David | davegost | a24 | Parsells | Alison | parsells | a5 | Young | Graham | gyoung | a21 |
| Gravatt | Kimberly | kgravatt | a22 | Patel | Neal | napatel | a25 | Zinkand | Kevin | kzinkand | a8 |
| Gregory | Daniel | dgregory | a6 | Patterson | Linea | m spat | a25 | | | | |
| Guest | CIEG125 | CIEG125guest | | Peiffer | Monica | mpeiffer | a1 | | | | |
| Haller | Andrew | justlaxn | a16 | Perez | Denise | denp | a15 | | | | |
| Hammond | Marcus | tmacn | a18 | Pierce | James | jpierce | a25 | | | | |
| Harbison | Michael | harbison | a15 | Pomeroy | Daniel | danep | a14 | | | | |

PLEASE DISPOSE OF CANDY AND SODA APPROPRIATELY WHEN YOU ARE DONE

GRADING SHEET – PROJECT 2/ REPORT 2

CIEG 125 - Introduction to Civil Engineering.

Group Number: _____

Group Members: _____

This sheet MUST be stapled to the front of your group project.

| | | Points awarded | Max points |
|---|---|----------------|------------|
| General Presentation (10 points total) | Names, Date, Assignment # | | 2 |
| | Neatness (don't forget to staple the sheets together in the correct order!) | | 3 |
| | Logical Presentation | | 2 |
| | Spelling/Grammar | | 3 |
| 1) Design process | Did you follow the engineering method? ¹ Did you brainstorm? | | 15 |
| 2) Construction process | | | 15 |
| 3) Assess design | Strengths/ weakness | | 15 |
| 4) Team interactions | Did you follow the ground rules? | | 15 |
| 5) Assess the team | Strengths/ weaknesses Overall assessment – would you have been better off doing this an individuals? | | 15 |
| 6) Changes | What, when, how? | | 15 |
| TOTAL | | | 100 |

¹ For this project, these questions are not comprehensive. They are intended to get you started. However, your report should be comprehensive and succinct.