

| No                                                                                                                                                                                                                                                                                                                   | Reviewers' comments                                                                                                                                                                                                                                                                                                                                                              | Authors' response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Reviewer # 2</b>                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>General comments:</b><br><br><b>Thank you for your very useful comments, suggestions and modification of the manuscript.</b><br><br><i>The manuscript has been extensively revised to improve the overall quality and at same time to take into consideration the comments and criticisms from the reviewers.</i> |                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                      | <b>Technical Comments:</b>                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                      | <p>Comments and Suggestions for Authors</p> <p>The paper needs to provide much more clear evidence that there would be relationships between safety management systems and construction wastes from the beginning of the paper (e.g., research motivation). Safety system components usually would not be designed specifically for addressing the construction waste issue.</p> | <p><b>Thank you for your very useful comments, suggestions and modification of the manuscript.</b></p> <p>We responded to the reviewer's comment. This comment has been considered. Please note that this study is the first study considering the relationships between safety systems and construction wastes,</p> <p>The introduction and literature Review are developed to this note</p> <p><i>(Please, refer to Lines 37-41).</i></p> <p><i>(Please, refer to Lines 81-87).</i></p> <p>One of the main outcomes of our study, that design of the safety system for any construction projects, should consider the construction waste issue</p> |
|                                                                                                                                                                                                                                                                                                                      | <p>Another very important weakness of this work is that it does not provide clear definition of the key terms such as safety systems. The authors should provide a clear definition of the key terms, otherwise, it is very difficult to interpret the findings.</p>                                                                                                             | <p>We responded to the reviewer's comment. This comment has been considered. We added the definition of the safety systems, <i>(Please, refer to Lines 87-90).</i></p> <p>The definition of the construction waste also added</p>                                                                                                                                                                                                                                                                                                                                                                                                                    |

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|  |                                                                                                                                                                                                                                     | <p><i>(Please, refer to Lines 126-133)</i> and Figure1.</p> <p>The definition of the safety culture also added<br/><i>(Please, refer to Lines 86-87)</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|  | <p>The information about how the data was actually collected is significantly insufficient. In the current form of the paper, it is impossible to evaluate the validity of the approaches used to collect and analyse the data.</p> | <p>We responded to the reviewer's comment. This comment has been considered. The data was collected depending on statistical method.</p> <p>The sample size was selected and determined by statistical equations (eq1, eq2)</p> <p>The data collected from field by researchers with cooperation of the specialists from different organizations of construction.</p> <p>To get practical and correct results, the validity was tested by many ways:</p> <ol style="list-style-type: none"> <li>1. During the pilot study. we performed the following tests, to ensure the reliability, validity and normality distribution. <ul style="list-style-type: none"> <li>Cronbach's alpha and split half (Spearman-Brown) for reliability statistics</li> <li>Pearson's correlation coefficients for validity</li> <li>Kolmogorov-Smirnov (KS) test for normality distribution</li> </ul> <p>Then we distribute the questionnaire.<br/><i>(Please, refer to Lines 234, 235 and 236).</i></p> </li> <li>2. The results of pilot study were discussed with 15 expertise in the field (CPs, CS and CWM), the questionnaire was developed by considering all comments and modifications of the expertise.</li> <li>3. The questionnaire was revised and checked also by professionals in the CPs and statistical sciences.</li> <li>4. The questionnaire was also designed based on results of visiting of 5 construction projects (observations of work place conditions, reports of inspectors of labors, daily reports,</li> </ol> |

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|  |                                                                                                                              | <p>supervisor instructions, shop drawings, safety planning, accidents reports and insurance of projects).</p> <p>5. The final results of study was discussed with experts and professionals including all parties of projects.</p>                                                                                                                                                                                                                                    |
|  | <p>Similarly, the data analysis flow and the methods need to be explained better in connection with research objectives.</p> | <p>We responded to the reviewer's comment. This comment has been considered. We modified the following:</p> <ul style="list-style-type: none"> <li>- the Figure 2 to explain the flow of methodology.</li> <li>- Eliminate some figures and explain the results through the text to be easier for understanding.</li> <li>- Rearrange the numbers of Tables and Figures</li> <li>- Improve the English language of the methodology as well the whole paper</li> </ul> |