

(再評価)

資料 4 - 4 - ②  
関東地方整備局  
事業評価監視委員会  
(平成 22 年度第 5 回)

茨城港常陸那珂港区中央ふ頭地区  
複合一貫輸送ターミナル整備事業

平成22年11月4日

国土交通省 関東地方整備局

|                           |                                                                              |                                                 |           |               |    |          |          |               |     |          |         |  |
|---------------------------|------------------------------------------------------------------------------|-------------------------------------------------|-----------|---------------|----|----------|----------|---------------|-----|----------|---------|--|
| 平成 22 年度                  |                                                                              |                                                 |           |               |    |          |          |               |     |          |         |  |
| 事業名(箇所名)                  | 複合一貫輸送ターミナル整備事業<br>(茨城港常陸那珂港区 中央ふ頭地区)                                        |                                                 |           |               |    | 担当課      | 本省港湾局計画課 |               |     | 事業<br>主体 | 関東地方整備局 |  |
|                           |                                                                              |                                                 |           |               |    | 担当課長名    | 高橋浩二     |               |     |          |         |  |
| 実施箇所                      | カルテ表示項目                                                                      |                                                 |           |               |    |          |          |               |     |          |         |  |
|                           | 茨城県ひたちなか市                                                                    |                                                 |           |               |    |          |          |               |     |          |         |  |
|                           | 検索対象都道府県指定(複数可)                                                              |                                                 |           |               |    |          |          |               |     |          |         |  |
|                           | 茨城県                                                                          |                                                 |           |               |    |          |          |               |     |          |         |  |
| 該当基準                      | 5年継続:事業採択後5年間の経過した時点で継続中の事業                                                  |                                                 |           |               |    |          |          |               |     |          |         |  |
| 主な事業の諸元                   | 岸壁(-9m)、泊地(-9m) 等                                                            |                                                 |           |               |    |          |          |               |     |          |         |  |
| 事業期間                      | 事業採択                                                                         | 平成 17 年度                                        |           |               | 完了 | 平成 23 年度 |          |               |     |          |         |  |
| 総事業費(億円)                  | 62                                                                           |                                                 |           | 残事業費(億円)      |    | 13       |          |               |     |          |         |  |
| 目的・必要性                    | 国内で輸送されるユニットロード貨物の需要増加に対し、限界に達している常陸那珂港区の貨物取扱能力の向上を図り、利用者の利便性向上ならびに物流効率化を図る。 |                                                 |           |               |    |          |          |               |     |          |         |  |
| 便益の主な根拠                   | 輸送コストの削減<br>(平成23年度予測取扱貨物量:144万トン)                                           |                                                 |           |               |    |          |          |               |     |          |         |  |
| 事業全体の投資効率性                | 基準年度                                                                         | 平成 22 年度                                        |           |               |    |          |          |               |     |          |         |  |
|                           | B:総便益(億円)                                                                    | 261                                             | C:総費用(億円) |               | 71 | 全体B/C    | 3.7      | B-C           | 194 | EIRR (%) | 16.2    |  |
| 残事業の投資効率性                 | B:総便益(億円)                                                                    | 79                                              | C:総費用(億円) |               | 19 | 継続B/C    | 4.2      |               |     |          |         |  |
| 感度分析                      |                                                                              |                                                 |           | 事業全体のB/C      |    |          |          | 残事業のB/C       |     |          |         |  |
|                           | 需 要 (-10%~+10%)                                                              |                                                 |           | ( 3.4 ~ 4.1 ) |    |          |          | ( 3.8 ~ 4.7 ) |     |          |         |  |
|                           | 建 設 費 (+10%~-10%)                                                            |                                                 |           | ( 3.7 ~ 3.8 ) |    |          |          | ( 4.0 ~ 4.5 ) |     |          |         |  |
|                           | 建設期間 (+10%~-10%)                                                             |                                                 |           | ( 3.7 ~ 3.7 ) |    |          |          | ( 4.1 ~ 4.4 ) |     |          |         |  |
| 事業の効果等                    | 当該事業を実施することにより、船舶の大型化に対応し、物流機能の高度化、効率化が図られる。                                 |                                                 |           |               |    |          |          |               |     |          |         |  |
| 社会経済情勢等<br>の変化            | 特になし                                                                         |                                                 |           |               |    |          |          |               |     |          |         |  |
| 主な事業の<br>進捗状況             | 総事業費62億円、既投資額49億円<br>平成21年度末現在 事業進捗率79%                                      |                                                 |           |               |    |          |          |               |     |          |         |  |
| 主な事業の<br>進捗の見込み           | 平成21年に岸壁暫定供用、平成23年には全体完成の予定                                                  |                                                 |           |               |    |          |          |               |     |          |         |  |
| コスト縮減や<br>代替案立案等の可<br>可能性 | 特になし                                                                         |                                                 |           |               |    |          |          |               |     |          |         |  |
| 対応方針                      | 継続                                                                           |                                                 |           |               |    |          |          |               |     |          |         |  |
| 対応方針理由                    | 十分な事業の投資効果及び進捗の目途が確認されたため。                                                   |                                                 |           |               |    |          |          |               |     |          |         |  |
| 貨幣換算が困難な<br>効果等による評価      | 評価の観点                                                                        | 貨幣換算が困難な効果                                      |           |               |    |          |          |               |     |          |         |  |
|                           | 国際競争力強化・物流効率化                                                                | 物流の定時性、安定性の向上、輸送の信頼性の向上                         |           |               |    |          |          |               |     |          |         |  |
|                           | 国際競争力強化・物流効率化                                                                | 適切な施設再配置による既存ターミナルの機能向上、混雑緩和                    |           |               |    |          |          |               |     |          |         |  |
|                           | 環境                                                                           | CO2、NOx等の排出量削減                                  |           |               |    |          |          |               |     |          |         |  |
| 概要図(位置図)                  | H22茨城港常陸那珂港区中央ふ頭地区複合一貫輸送ターミナル整備事業_概要図.PDF                                    |                                                 |           |               |    |          |          |               |     |          |         |  |
| バックデータ1                   | コメント                                                                         | 費用便益の概要                                         |           |               |    |          |          |               |     |          |         |  |
|                           | ファイル名                                                                        | H22茨城港常陸那珂港区中央ふ頭地区複合一貫輸送ターミナル整備事業_費用便益の概要.PDF   |           |               |    |          |          |               |     |          |         |  |
| バックデータ2                   | コメント                                                                         | 費用便益分析シート                                       |           |               |    |          |          |               |     |          |         |  |
|                           | ファイル名                                                                        | H22茨城港常陸那珂港区中央ふ頭地区複合一貫輸送ターミナル整備事業_費用便益分析シート.PDF |           |               |    |          |          |               |     |          |         |  |
| 事業評価<br>監視委員会HP           |                                                                              |                                                 |           |               |    |          |          |               |     |          |         |  |

茨城港常陸那珂港区中央ふ頭地区 複合一貫輸送ターミナル整備事業【事業全体】  
費用便益分析シート(割引前)

費用便益分析シート(割引後)

|       |       |      |        |
|-------|-------|------|--------|
| EIRR= | 16.2% | NPV= | 194 億円 |
| B/C=  | 3.7   |      |        |

| (億円)  |            |               |              |            |               |           |            |              |      | (億円)  |            |            |               |              |            |               |           |            |              |       |
|-------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|------|-------|------------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|-------|
| 割 引 前 |            |               |              |            |               |           |            |              |      | 割 引 後 |            |            |               |              |            |               |           |            |              |       |
| 年度    | 施設供<br>用期間 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |      | 年度    | 施設供<br>用期間 | 社会的<br>割引率 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |       |
| H16   | 2004       |               |              |            |               |           |            |              |      | 2004  |            | 1.27       |               |              |            |               |           |            |              |       |
| H17   | 2005       |               | 0.7          | 0.7        |               |           |            | -0.7         |      | 2005  |            | 1.22       | 0.8           |              | 0.8        |               |           |            | -0.8         |       |
| H18   | 2006       |               | 10.6         | 10.6       |               |           |            | -10.6        |      | 2006  |            | 1.17       | 12.4          |              | 12.4       |               |           |            | -12.4        |       |
| H19   | 2007       |               | 13.0         | 13.0       |               |           |            | -13.0        |      | 2007  |            | 1.12       | 14.6          |              | 14.6       |               |           |            | -14.6        |       |
| H20   | 2008       |               | 20.2         | 20.2       |               |           |            | -20.2        |      | 2008  |            | 1.08       | 21.9          |              | 21.9       |               |           |            | -21.9        |       |
| H21   | 2009       | 1             | 2.1          | 0.3        | 2.4           | 3.6       | 3.6        | 1.2          |      | 2009  | 1          | 1.04       | 2.2           | 0.3          | 2.4        | 3.7           |           | 3.7        | 1.3          |       |
| H22   | 2010       | 2             | 10.0         | 0.3        | 10.3          | 8.0       | 8.0        | -2.3         |      | 2010  | 2          | 1.00       | 10.0          | 0.3          | 10.3       | 8.0           |           | 8.0        | -2.3         |       |
| H23   | 2011       | 3             | 2.3          | 0.3        | 2.6           | 11.8      | 11.8       | 9.2          |      | 2011  | 3          | 0.96       | 2.2           | 0.3          | 2.5        | 11.4          |           | 11.4       | 8.9          |       |
| H24   | 2012       | 4             |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2012  | 4          | 0.92       |               | 0.3          | 0.3        | 10.9          |           | 10.9       | 10.7         |       |
| H25   | 2013       | 5             |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2013  | 5          | 0.89       |               | 0.3          | 0.3        | 10.5          |           | 10.5       | 10.3         |       |
| H26   | 2014       | 6             |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2014  | 6          | 0.85       |               | 0.2          | 0.2        | 10.1          |           | 10.1       | 9.9          |       |
| H27   | 2015       | 7             |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2015  | 7          | 0.82       |               | 0.2          | 0.2        | 9.7           |           | 9.7        | 9.5          |       |
| H28   | 2016       | 8             |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2016  | 8          | 0.79       |               | 0.2          | 0.2        | 9.4           |           | 9.4        | 9.1          |       |
| H29   | 2017       | 9             |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2017  | 9          | 0.76       |               | 0.2          | 0.2        | 9.0           |           | 9.0        | 8.8          |       |
| H30   | 2018       | 10            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2018  | 10         | 0.73       |               | 0.2          | 0.2        | 8.7           |           | 8.7        | 8.4          |       |
| H31   | 2019       | 11            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2019  | 11         | 0.70       |               | 0.2          | 0.2        | 8.3           |           | 8.3        | 8.1          |       |
| H32   | 2020       | 12            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2020  | 12         | 0.68       |               | 0.2          | 0.2        | 8.0           |           | 8.0        | 7.8          |       |
| H33   | 2021       | 13            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2021  | 13         | 0.65       |               | 0.2          | 0.2        | 7.7           |           | 7.7        | 7.5          |       |
| H34   | 2022       | 14            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2022  | 14         | 0.62       |               | 0.2          | 0.2        | 7.4           |           | 7.4        | 7.2          |       |
| H35   | 2023       | 15            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2023  | 15         | 0.60       |               | 0.2          | 0.2        | 7.1           |           | 7.1        | 6.9          |       |
| H36   | 2024       | 16            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2024  | 16         | 0.58       |               | 0.2          | 0.2        | 6.8           |           | 6.8        | 6.7          |       |
| H37   | 2025       | 17            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2025  | 17         | 0.56       |               | 0.2          | 0.2        | 6.6           |           | 6.6        | 6.4          |       |
| H38   | 2026       | 18            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2026  | 18         | 0.53       |               | 0.2          | 0.2        | 6.3           |           | 6.3        | 6.2          |       |
| H39   | 2027       | 19            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2027  | 19         | 0.51       |               | 0.1          | 0.1        | 6.1           |           | 6.1        | 5.9          |       |
| H40   | 2028       | 20            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2028  | 20         | 0.49       |               | 0.1          | 0.1        | 5.8           |           | 5.8        | 5.7          |       |
| H41   | 2029       | 21            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2029  | 21         | 0.47       |               | 0.1          | 0.1        | 5.6           |           | 5.6        | 5.5          |       |
| H42   | 2030       | 22            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2030  | 22         | 0.46       |               | 0.1          | 0.1        | 5.4           |           | 5.4        | 5.3          |       |
| H43   | 2031       | 23            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2031  | 23         | 0.44       |               | 0.1          | 0.1        | 5.2           |           | 5.2        | 5.1          |       |
| H44   | 2032       | 24            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2032  | 24         | 0.42       |               | 0.1          | 0.1        | 5.0           |           | 5.0        | 4.9          |       |
| H45   | 2033       | 25            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2033  | 25         | 0.41       |               | 0.1          | 0.1        | 4.8           |           | 4.8        | 4.7          |       |
| H46   | 2034       | 26            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2034  | 26         | 0.39       |               | 0.1          | 0.1        | 4.6           |           | 4.6        | 4.5          |       |
| H47   | 2035       | 27            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2035  | 27         | 0.38       |               | 0.1          | 0.1        | 4.4           |           | 4.4        | 4.3          |       |
| H48   | 2036       | 28            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2036  | 28         | 0.36       |               | 0.1          | 0.1        | 4.3           |           | 4.3        | 4.2          |       |
| H49   | 2037       | 29            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2037  | 29         | 0.35       |               | 0.1          | 0.1        | 4.1           |           | 4.1        | 4.0          |       |
| H50   | 2038       | 30            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2038  | 30         | 0.33       |               | 0.1          | 0.1        | 3.9           |           | 3.9        | 3.9          |       |
| H51   | 2039       | 31            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2039  | 31         | 0.32       |               | 0.1          | 0.1        | 3.8           |           | 3.8        | 3.7          |       |
| H52   | 2040       | 32            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2040  | 32         | 0.31       |               | 0.1          | 0.1        | 3.7           |           | 3.7        | 3.6          |       |
| H53   | 2041       | 33            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2041  | 33         | 0.30       |               | 0.1          | 0.1        | 3.5           |           | 3.5        | 3.4          |       |
| H54   | 2042       | 34            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2042  | 34         | 0.29       |               | 0.1          | 0.1        | 3.4           |           | 3.4        | 3.3          |       |
| H55   | 2043       | 35            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2043  | 35         | 0.27       |               | 0.1          | 0.1        | 3.2           |           | 3.2        | 3.2          |       |
| H56   | 2044       | 36            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2044  | 36         | 0.26       |               | 0.1          | 0.1        | 3.1           |           | 3.1        | 3.0          |       |
| H57   | 2045       | 37            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2045  | 37         | 0.25       |               | 0.1          | 0.1        | 3.0           |           | 3.0        | 2.9          |       |
| H58   | 2046       | 38            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2046  | 38         | 0.24       |               | 0.1          | 0.1        | 2.9           |           | 2.9        | 2.8          |       |
| H59   | 2047       | 39            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2047  | 39         | 0.23       |               | 0.1          | 0.1        | 2.8           |           | 2.8        | 2.7          |       |
| H60   | 2048       | 40            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2048  | 40         | 0.23       |               | 0.1          | 0.1        | 2.7           |           | 2.7        | 2.6          |       |
| H61   | 2049       | 41            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2049  | 41         | 0.22       |               | 0.1          | 0.1        | 2.6           |           | 2.6        | 2.5          |       |
| H62   | 2050       | 42            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2050  | 42         | 0.21       |               | 0.1          | 0.1        | 2.5           |           | 2.5        | 2.4          |       |
| H63   | 2051       | 43            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2051  | 43         | 0.20       |               | 0.1          | 0.1        | 2.4           |           | 2.4        | 2.3          |       |
| H64   | 2052       | 44            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2052  | 44         | 0.19       |               | 0.1          | 0.1        | 2.3           |           | 2.3        | 2.2          |       |
| H65   | 2053       | 45            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2053  | 45         | 0.19       |               | 0.1          | 0.1        | 2.2           |           | 2.2        | 2.1          |       |
| H66   | 2054       | 46            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2054  | 46         | 0.18       |               | 0.1          | 0.1        | 2.1           |           | 2.1        | 2.1          |       |
| H67   | 2055       | 47            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2055  | 47         | 0.17       |               | 0.0          | 0.0        | 2.0           |           | 2.0        | 2.0          |       |
| H68   | 2056       | 48            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2056  | 48         | 0.16       |               | 0.0          | 0.0        | 1.9           |           | 1.9        | 1.9          |       |
| H69   | 2057       | 49            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2057  | 49         | 0.16       |               | 0.0          | 0.0        | 1.9           |           | 1.9        | 1.8          |       |
| H70   | 2058       | 50            |              | 0.3        | 0.3           | 11.8      | 10.0       | 21.9         | 21.6 | 2058  | 50         | 0.15       |               | 0.0          | 0.0        | 1.8           |           | 1.5        | 3.3          |       |
| 合 計   |            | 58.9          | 14.1         | 73.0       | 579.9         | 10.0      | 589.9      | 516.9        |      | 合 計   |            |            | 64.1          | 6.6          | 70.7       | 262.6         |           | 1.5        | 264.2        | 193.5 |

茨城港常陸那珂港区中央ふ頭地区 複合一貫輸送ターミナル整備事業【事業全体】需要-10%  
費用便益分析シート(割引前)

費用便益分析シート(割引後)

|       |       |      |        |
|-------|-------|------|--------|
| EIRR= | 14.7% | NPV= | 167 億円 |
| B/C=  | 3.4   |      |        |

| (億円)  |            |               |              |            |               |           |            |              |  | (億円)  |            |            |               |              |            |               |           |            |              |       |
|-------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|--|-------|------------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|-------|
| 割 引 前 |            |               |              |            |               |           |            |              |  | 割 引 後 |            |            |               |              |            |               |           |            |              |       |
| 年度    | 施設供<br>用期間 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |  | 年度    | 施設供<br>用期間 | 社会的<br>割引率 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |       |
| H16   | 2004       |               |              |            |               |           |            |              |  | 2004  |            | 1.27       |               |              |            |               |           |            |              |       |
| H17   | 2005       |               | 0.7          | 0.7        |               |           |            | -0.7         |  | 2005  |            | 1.22       |               | 0.8          |            | 0.8           |           |            |              | -0.8  |
| H18   | 2006       |               | 10.6         | 10.6       |               |           |            | -10.6        |  | 2006  |            | 1.17       | 12.4          |              | 12.4       |               |           |            |              | -12.4 |
| H19   | 2007       |               | 13.0         | 13.0       |               |           |            | -13.0        |  | 2007  |            | 1.12       | 14.6          |              | 14.6       |               |           |            |              | -14.6 |
| H20   | 2008       |               | 20.2         | 20.2       |               |           |            | -20.2        |  | 2008  |            | 1.08       | 21.9          |              | 21.9       |               |           |            |              | -21.9 |
| H21   | 2009       | 1             | 2.1          | 0.3        | 2.4           | 3.2       | 3.2        | 0.8          |  | 2009  | 1          | 1.04       | 2.2           | 0.3          | 2.4        | 3.3           |           | 3.3        | 0.9          |       |
| H22   | 2010       | 2             | 10.0         | 0.3        | 10.3          | 7.2       | 7.2        | -3.1         |  | 2010  | 2          | 1.00       | 10.0          | 0.3          | 10.3       | 7.2           |           | 7.2        | -3.1         |       |
| H23   | 2011       | 3             | 2.3          | 0.3        | 2.6           | 10.6      | 10.6       | 8.0          |  | 2011  | 3          | 0.96       | 2.2           | 0.3          | 2.5        | 10.2          |           | 10.2       | 7.7          |       |
| H24   | 2012       | 4             |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2012  | 4          | 0.92       |               | 0.3          | 0.3        | 9.8           |           | 9.8        | 9.6          |       |
| H25   | 2013       | 5             |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2013  | 5          | 0.89       |               | 0.3          | 0.3        | 9.5           |           | 9.5        | 9.2          |       |
| H26   | 2014       | 6             |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2014  | 6          | 0.85       |               | 0.2          | 0.2        | 9.1           |           | 9.1        | 8.9          |       |
| H27   | 2015       | 7             |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2015  | 7          | 0.82       |               | 0.2          | 0.2        | 8.7           |           | 8.7        | 8.5          |       |
| H28   | 2016       | 8             |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2016  | 8          | 0.79       |               | 0.2          | 0.2        | 8.4           |           | 8.4        | 8.2          |       |
| H29   | 2017       | 9             |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2017  | 9          | 0.76       |               | 0.2          | 0.2        | 8.1           |           | 8.1        | 7.9          |       |
| H30   | 2018       | 10            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2018  | 10         | 0.73       |               | 0.2          | 0.2        | 7.8           |           | 7.8        | 7.6          |       |
| H31   | 2019       | 11            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2019  | 11         | 0.70       |               | 0.2          | 0.2        | 7.5           |           | 7.5        | 7.3          |       |
| H32   | 2020       | 12            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2020  | 12         | 0.68       |               | 0.2          | 0.2        | 7.2           |           | 7.2        | 7.0          |       |
| H33   | 2021       | 13            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2021  | 13         | 0.65       |               | 0.2          | 0.2        | 6.9           |           | 6.9        | 6.7          |       |
| H34   | 2022       | 14            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2022  | 14         | 0.62       |               | 0.2          | 0.2        | 6.6           |           | 6.6        | 6.5          |       |
| H35   | 2023       | 15            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2023  | 15         | 0.60       |               | 0.2          | 0.2        | 6.4           |           | 6.4        | 6.2          |       |
| H36   | 2024       | 16            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2024  | 16         | 0.58       |               | 0.2          | 0.2        | 6.1           |           | 6.1        | 6.0          |       |
| H37   | 2025       | 17            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2025  | 17         | 0.56       |               | 0.2          | 0.2        | 5.9           |           | 5.9        | 5.8          |       |
| H38   | 2026       | 18            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2026  | 18         | 0.53       |               | 0.2          | 0.2        | 5.7           |           | 5.7        | 5.5          |       |
| H39   | 2027       | 19            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2027  | 19         | 0.51       |               | 0.1          | 0.1        | 5.5           |           | 5.5        | 5.3          |       |
| H40   | 2028       | 20            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2028  | 20         | 0.49       |               | 0.1          | 0.1        | 5.3           |           | 5.3        | 5.1          |       |
| H41   | 2029       | 21            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2029  | 21         | 0.47       |               | 0.1          | 0.1        | 5.0           |           | 5.0        | 4.9          |       |
| H42   | 2030       | 22            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2030  | 22         | 0.46       |               | 0.1          | 0.1        | 4.9           |           | 4.9        | 4.7          |       |
| H43   | 2031       | 23            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2031  | 23         | 0.44       |               | 0.1          | 0.1        | 4.7           |           | 4.7        | 4.5          |       |
| H44   | 2032       | 24            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2032  | 24         | 0.42       |               | 0.1          | 0.1        | 4.5           |           | 4.5        | 4.4          |       |
| H45   | 2033       | 25            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2033  | 25         | 0.41       |               | 0.1          | 0.1        | 4.3           |           | 4.3        | 4.2          |       |
| H46   | 2034       | 26            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2034  | 26         | 0.39       |               | 0.1          | 0.1        | 4.2           |           | 4.2        | 4.0          |       |
| H47   | 2035       | 27            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2035  | 27         | 0.38       |               | 0.1          | 0.1        | 4.0           |           | 4.0        | 3.9          |       |
| H48   | 2036       | 28            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2036  | 28         | 0.36       |               | 0.1          | 0.1        | 3.8           |           | 3.8        | 3.7          |       |
| H49   | 2037       | 29            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2037  | 29         | 0.35       |               | 0.1          | 0.1        | 3.7           |           | 3.7        | 3.6          |       |
| H50   | 2038       | 30            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2038  | 30         | 0.33       |               | 0.1          | 0.1        | 3.5           |           | 3.5        | 3.5          |       |
| H51   | 2039       | 31            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2039  | 31         | 0.32       |               | 0.1          | 0.1        | 3.4           |           | 3.4        | 3.3          |       |
| H52   | 2040       | 32            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2040  | 32         | 0.31       |               | 0.1          | 0.1        | 3.3           |           | 3.3        | 3.2          |       |
| H53   | 2041       | 33            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2041  | 33         | 0.30       |               | 0.1          | 0.1        | 3.2           |           | 3.2        | 3.1          |       |
| H54   | 2042       | 34            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2042  | 34         | 0.29       |               | 0.1          | 0.1        | 3.0           |           | 3.0        | 3.0          |       |
| H55   | 2043       | 35            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2043  | 35         | 0.27       |               | 0.1          | 0.1        | 2.9           |           | 2.9        | 2.8          |       |
| H56   | 2044       | 36            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2044  | 36         | 0.26       |               | 0.1          | 0.1        | 2.8           |           | 2.8        | 2.7          |       |
| H57   | 2045       | 37            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2045  | 37         | 0.25       |               | 0.1          | 0.1        | 2.7           |           | 2.7        | 2.6          |       |
| H58   | 2046       | 38            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2046  | 38         | 0.24       |               | 0.1          | 0.1        | 2.6           |           | 2.6        | 2.5          |       |
| H59   | 2047       | 39            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2047  | 39         | 0.23       |               | 0.1          | 0.1        | 2.5           |           | 2.5        | 2.4          |       |
| H60   | 2048       | 40            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2048  | 40         | 0.23       |               | 0.1          | 0.1        | 2.4           |           | 2.4        | 2.3          |       |
| H61   | 2049       | 41            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2049  | 41         | 0.22       |               | 0.1          | 0.1        | 2.3           |           | 2.3        | 2.2          |       |
| H62   | 2050       | 42            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2050  | 42         | 0.21       |               | 0.1          | 0.1        | 2.2           |           | 2.2        | 2.2          |       |
| H63   | 2051       | 43            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2051  | 43         | 0.20       |               | 0.1          | 0.1        | 2.1           |           | 2.1        | 2.1          |       |
| H64   | 2052       | 44            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2052  | 44         | 0.19       |               | 0.1          | 0.1        | 2.0           |           | 2.0        | 2.0          |       |
| H65   | 2053       | 45            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2053  | 45         | 0.19       |               | 0.1          | 0.1        | 2.0           |           | 2.0        | 1.9          |       |
| H66   | 2054       | 46            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2054  | 46         | 0.18       |               | 0.1          | 0.1        | 1.9           |           | 1.9        | 1.8          |       |
| H67   | 2055       | 47            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2055  | 47         | 0.17       |               | 0.0          | 0.0        | 1.8           |           | 1.8        | 1.8          |       |
| H68   | 2056       | 48            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2056  | 48         | 0.16       |               | 0.0          | 0.0        | 1.8           |           | 1.8        | 1.7          |       |
| H69   | 2057       | 49            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2057  | 49         | 0.16       |               | 0.0          | 0.0        | 1.7           |           | 1.7        | 1.6          |       |
| H70   | 2058       | 50            |              | 0.3        | 0.3           | 10.6      | 10.6       | 10.4         |  | 2058  | 50         | 0.15       |               | 0.0          | 0.0        | 1.6           |           | 1.5        | 3.1          |       |
| 合 計   |            | 58.9          | 14.1         | 73.0       | 521.0         | 10.0      | 531.0      | 458.0        |  | 合 計   |            |            | 64.1          | 6.6          | 70.7       | 236.0         |           | 1.5        | 237.5        | 166.8 |

茨城港常陸那珂港区中央ふ頭地区 複合一貫輸送ターミナル整備事業 【事業全体】需要+10%  
費用便益分析シート(割引前)

費用便益分析シート(割引後)

|       |       |      |        |
|-------|-------|------|--------|
| EIRR= | 17.5% | NPV= | 219 億円 |
| B/C=  | 4.1   |      |        |

| (億円)  |            |               |              |            |               |           |            |              |      |  | (億円)  |      |            |            |               |              |            |               |           |            |              |
|-------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|------|--|-------|------|------------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|
| 割 引 前 |            |               |              |            |               |           |            |              |      |  | 割 引 後 |      |            |            |               |              |            |               |           |            |              |
| 年度    | 施設供<br>用期間 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |      |  |       | 年度   | 施設供<br>用期間 | 社会的<br>割引率 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |
| H16   | 2004       |               |              |            |               |           |            |              |      |  |       | 2004 |            | 1.27       |               |              |            |               |           |            |              |
| H17   | 2005       |               | 0.7          | 0.7        |               |           |            | -0.7         |      |  |       | 2005 |            | 1.22       | 0.8           |              | 0.8        |               |           |            | -0.8         |
| H18   | 2006       |               | 10.6         | 10.6       |               |           |            | -10.6        |      |  |       | 2006 |            | 1.17       | 12.4          |              | 12.4       |               |           |            | -12.4        |
| H19   | 2007       |               | 13.0         | 13.0       |               |           |            | -13.0        |      |  |       | 2007 |            | 1.12       | 14.6          |              | 14.6       |               |           |            | -14.6        |
| H20   | 2008       |               | 20.2         | 20.2       |               |           |            | -20.2        |      |  |       | 2008 |            | 1.08       | 21.9          |              | 21.9       |               |           |            | -21.9        |
| H21   | 2009       | 1             | 2.1          | 0.3        | 2.4           | 3.9       | 3.9        | 1.6          |      |  | 2009  | 1    | 1.04       | 2.2        | 0.3           | 2.4          | 4.1        |               | 4.1       | 4.1        | 1.6          |
| H22   | 2010       | 2             | 10.0         | 0.3        | 10.3          | 8.8       | 8.8        | -1.5         |      |  | 2010  | 2    | 1.00       | 10.0       | 0.3           | 10.3         | 8.8        |               | 8.8       | 8.8        | -1.5         |
| H23   | 2011       | 3             | 2.3          | 0.3        | 2.6           | 13.0      | 13.0       | 10.4         |      |  | 2011  | 3    | 0.96       | 2.2        | 0.3           | 2.5          | 12.5       |               | 12.5      | 10.0       | 10.0         |
| H24   | 2012       | 4             |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2012  | 4    | 0.92       |            | 0.3           | 0.3          | 12.0       |               | 12.0      | 11.8       | 11.8         |
| H25   | 2013       | 5             |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2013  | 5    | 0.89       |            | 0.3           | 0.3          | 11.6       |               | 11.6      | 11.3       | 11.3         |
| H26   | 2014       | 6             |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2014  | 6    | 0.85       |            | 0.2           | 0.2          | 11.1       |               | 11.1      | 10.9       | 10.9         |
| H27   | 2015       | 7             |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2015  | 7    | 0.82       |            | 0.2           | 0.2          | 10.7       |               | 10.7      | 10.5       | 10.5         |
| H28   | 2016       | 8             |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2016  | 8    | 0.79       |            | 0.2           | 0.2          | 10.3       |               | 10.3      | 10.1       | 10.1         |
| H29   | 2017       | 9             |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2017  | 9    | 0.76       |            | 0.2           | 0.2          | 9.9        |               | 9.9       | 9.7        | 9.7          |
| H30   | 2018       | 10            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2018  | 10   | 0.73       |            | 0.2           | 0.2          | 9.5        |               | 9.5       | 9.3        | 9.3          |
| H31   | 2019       | 11            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2019  | 11   | 0.70       |            | 0.2           | 0.2          | 9.1        |               | 9.1       | 8.9        | 8.9          |
| H32   | 2020       | 12            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2020  | 12   | 0.68       |            | 0.2           | 0.2          | 8.8        |               | 8.8       | 8.6        | 8.6          |
| H33   | 2021       | 13            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2021  | 13   | 0.65       |            | 0.2           | 0.2          | 8.4        |               | 8.4       | 8.3        | 8.3          |
| H34   | 2022       | 14            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2022  | 14   | 0.62       |            | 0.2           | 0.2          | 8.1        |               | 8.1       | 7.9        | 7.9          |
| H35   | 2023       | 15            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2023  | 15   | 0.60       |            | 0.2           | 0.2          | 7.8        |               | 7.8       | 7.6        | 7.6          |
| H36   | 2024       | 16            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2024  | 16   | 0.58       |            | 0.2           | 0.2          | 7.5        |               | 7.5       | 7.3        | 7.3          |
| H37   | 2025       | 17            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2025  | 17   | 0.56       |            | 0.2           | 0.2          | 7.2        |               | 7.2       | 7.1        | 7.1          |
| H38   | 2026       | 18            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2026  | 18   | 0.53       |            | 0.2           | 0.2          | 6.9        |               | 6.9       | 6.8        | 6.8          |
| H39   | 2027       | 19            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2027  | 19   | 0.51       |            | 0.1           | 0.1          | 6.7        |               | 6.7       | 6.5        | 6.5          |
| H40   | 2028       | 20            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2028  | 20   | 0.49       |            | 0.1           | 0.1          | 6.4        |               | 6.4       | 6.3        | 6.3          |
| H41   | 2029       | 21            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2029  | 21   | 0.47       |            | 0.1           | 0.1          | 6.2        |               | 6.2       | 6.0        | 6.0          |
| H42   | 2030       | 22            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2030  | 22   | 0.46       |            | 0.1           | 0.1          | 5.9        |               | 5.9       | 5.8        | 5.8          |
| H43   | 2031       | 23            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2031  | 23   | 0.44       |            | 0.1           | 0.1          | 5.7        |               | 5.7       | 5.6        | 5.6          |
| H44   | 2032       | 24            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2032  | 24   | 0.42       |            | 0.1           | 0.1          | 5.5        |               | 5.5       | 5.4        | 5.4          |
| H45   | 2033       | 25            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2033  | 25   | 0.41       |            | 0.1           | 0.1          | 5.3        |               | 5.3       | 5.2        | 5.2          |
| H46   | 2034       | 26            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2034  | 26   | 0.39       |            | 0.1           | 0.1          | 5.1        |               | 5.1       | 5.0        | 5.0          |
| H47   | 2035       | 27            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2035  | 27   | 0.38       |            | 0.1           | 0.1          | 4.9        |               | 4.9       | 4.8        | 4.8          |
| H48   | 2036       | 28            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2036  | 28   | 0.36       |            | 0.1           | 0.1          | 4.7        |               | 4.7       | 4.6        | 4.6          |
| H49   | 2037       | 29            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2037  | 29   | 0.35       |            | 0.1           | 0.1          | 4.5        |               | 4.5       | 4.4        | 4.4          |
| H50   | 2038       | 30            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2038  | 30   | 0.33       |            | 0.1           | 0.1          | 4.3        |               | 4.3       | 4.2        | 4.2          |
| H51   | 2039       | 31            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2039  | 31   | 0.32       |            | 0.1           | 0.1          | 4.2        |               | 4.2       | 4.1        | 4.1          |
| H52   | 2040       | 32            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2040  | 32   | 0.31       |            | 0.1           | 0.1          | 4.0        |               | 4.0       | 3.9        | 3.9          |
| H53   | 2041       | 33            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2041  | 33   | 0.30       |            | 0.1           | 0.1          | 3.9        |               | 3.9       | 3.8        | 3.8          |
| H54   | 2042       | 34            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2042  | 34   | 0.29       |            | 0.1           | 0.1          | 3.7        |               | 3.7       | 3.6        | 3.6          |
| H55   | 2043       | 35            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2043  | 35   | 0.27       |            | 0.1           | 0.1          | 3.6        |               | 3.6       | 3.5        | 3.5          |
| H56   | 2044       | 36            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2044  | 36   | 0.26       |            | 0.1           | 0.1          | 3.4        |               | 3.4       | 3.4        | 3.4          |
| H57   | 2045       | 37            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2045  | 37   | 0.25       |            | 0.1           | 0.1          | 3.3        |               | 3.3       | 3.2        | 3.2          |
| H58   | 2046       | 38            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2046  | 38   | 0.24       |            | 0.1           | 0.1          | 3.2        |               | 3.2       | 3.1        | 3.1          |
| H59   | 2047       | 39            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2047  | 39   | 0.23       |            | 0.1           | 0.1          | 3.0        |               | 3.0       | 3.0        | 3.0          |
| H60   | 2048       | 40            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2048  | 40   | 0.23       |            | 0.1           | 0.1          | 2.9        |               | 2.9       | 2.9        | 2.9          |
| H61   | 2049       | 41            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2049  | 41   | 0.22       |            | 0.1           | 0.1          | 2.8        |               | 2.8       | 2.8        | 2.8          |
| H62   | 2050       | 42            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2050  | 42   | 0.21       |            | 0.1           | 0.1          | 2.7        |               | 2.7       | 2.6        | 2.6          |
| H63   | 2051       | 43            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2051  | 43   | 0.20       |            | 0.1           | 0.1          | 2.6        |               | 2.6       | 2.5        | 2.5          |
| H64   | 2052       | 44            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2052  | 44   | 0.19       |            | 0.1           | 0.1          | 2.5        |               | 2.5       | 2.4        | 2.4          |
| H65   | 2053       | 45            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2053  | 45   | 0.19       |            | 0.1           | 0.1          | 2.4        |               | 2.4       | 2.4        | 2.4          |
| H66   | 2054       | 46            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2054  | 46   | 0.18       |            | 0.1           | 0.1          | 2.3        |               | 2.3       | 2.3        | 2.3          |
| H67   | 2055       | 47            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2055  | 47   | 0.17       |            | 0.0           | 0.0          | 2.2        |               | 2.2       | 2.2        | 2.2          |
| H68   | 2056       | 48            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2056  | 48   | 0.16       |            | 0.0           | 0.0          | 2.1        |               | 2.1       | 2.1        | 2.1          |
| H69   | 2057       | 49            |              | 0.3        | 0.3           | 13.0      | 13.0       | 12.7         |      |  | 2057  | 49   | 0.16       |            | 0.0           | 0.0          | 2.1        |               | 2.1       | 2.0        | 2.0          |
| H70   | 2058       | 50            |              | 0.3        | 0.3           | 13.0      | 10.0       | 23.0         | 22.8 |  | 2058  | 50   | 0.15       |            | 0.0           | 0.0          | 2.0        |               | 1.5       | 3.5        | 3.5          |
| 合 計   |            | 58.9          | 14.1         | 73.0       | 636.8         | 10.0      | 646.8      | 573.8        |      |  |       | 合 計  |            |            | 64.1          | 6.6          | 70.7       | 288.4         | 1.5       | 289.9      | 219.3        |

茨城港常陸那珂港区中央ふ頭地区 複合一貫輸送ターミナル整備事業【事業全体】建設費-10%  
費用便益分析シート(割引前)

費用便益分析シート(割引後)

|       |       |      |        |
|-------|-------|------|--------|
| EIRR= | 16.4% | NPV= | 195 億円 |
| B/C=  | 3.8   |      |        |

| (億円)  |            |               |              |            |               |           |            |              |      | (億円)  |            |            |               |              |            |               |           |            |              |
|-------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|------|-------|------------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|
| 割 引 前 |            |               |              |            |               |           |            |              |      | 割 引 後 |            |            |               |              |            |               |           |            |              |
| 年度    | 施設供<br>用期間 | 初期投資・<br>更新投資 | 運営・維持<br>コスト | 総費用<br>(C) | 輸送コスト削減<br>便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |      | 年度    | 施設供<br>用期間 | 社会的<br>割引率 | 初期投資・<br>更新投資 | 運営・維持<br>コスト | 総費用<br>(C) | 輸送コスト削減<br>便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |
| H16   | 2004       |               |              |            |               |           |            |              |      | 2004  |            | 1.27       |               |              |            |               |           |            |              |
| H17   | 2005       |               | 0.7          | 0.7        |               |           |            | -0.7         |      | 2005  |            | 1.22       | 0.8           |              | 0.8        |               |           |            | -0.8         |
| H18   | 2006       |               | 10.6         | 10.6       |               |           |            | -10.6        |      | 2006  |            | 1.17       | 12.4          |              | 12.4       |               |           |            | -12.4        |
| H19   | 2007       |               | 13.0         | 13.0       |               |           |            | -13.0        |      | 2007  |            | 1.12       | 14.6          |              | 14.6       |               |           |            | -14.6        |
| H20   | 2008       |               | 20.2         | 20.2       |               |           |            | -20.2        |      | 2008  |            | 1.08       | 21.9          |              | 21.9       |               |           |            | -21.9        |
| H21   | 2009       | 1             | 2.1          | 0.3        | 2.4           | 3.6       | 1.2        |              |      | 2009  | 1          | 1.04       | 2.2           | 0.3          | 2.4        | 3.7           |           | 3.7        | 1.3          |
| H22   | 2010       | 2             | 9.0          | 0.3        | 9.3           | 8.0       | -1.3       |              |      | 2010  | 2          | 1.00       | 9.0           | 0.3          | 9.3        | 8.0           |           | 8.0        | -1.3         |
| H23   | 2011       | 3             | 2.1          | 0.3        | 2.4           | 11.8      |            | 11.8         | 9.5  | 2011  | 3          | 0.96       | 2.0           | 0.3          | 2.3        | 11.4          |           | 11.4       | 9.1          |
| H24   | 2012       | 4             |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2012  | 4          | 0.92       |               | 0.3          | 0.3        | 10.9          |           | 10.9       | 10.7         |
| H25   | 2013       | 5             |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2013  | 5          | 0.89       |               | 0.3          | 0.3        | 10.5          |           | 10.5       | 10.3         |
| H26   | 2014       | 6             |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2014  | 6          | 0.85       |               | 0.2          | 0.2        | 10.1          |           | 10.1       | 9.9          |
| H27   | 2015       | 7             |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2015  | 7          | 0.82       |               | 0.2          | 0.2        | 9.7           |           | 9.7        | 9.5          |
| H28   | 2016       | 8             |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2016  | 8          | 0.79       |               | 0.2          | 0.2        | 9.4           |           | 9.4        | 9.1          |
| H29   | 2017       | 9             |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2017  | 9          | 0.76       |               | 0.2          | 0.2        | 9.0           |           | 9.0        | 8.8          |
| H30   | 2018       | 10            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2018  | 10         | 0.73       |               | 0.2          | 0.2        | 8.7           |           | 8.7        | 8.4          |
| H31   | 2019       | 11            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2019  | 11         | 0.70       |               | 0.2          | 0.2        | 8.3           |           | 8.3        | 8.1          |
| H32   | 2020       | 12            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2020  | 12         | 0.68       |               | 0.2          | 0.2        | 8.0           |           | 8.0        | 7.8          |
| H33   | 2021       | 13            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2021  | 13         | 0.65       |               | 0.2          | 0.2        | 7.7           |           | 7.7        | 7.5          |
| H34   | 2022       | 14            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2022  | 14         | 0.62       |               | 0.2          | 0.2        | 7.4           |           | 7.4        | 7.2          |
| H35   | 2023       | 15            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2023  | 15         | 0.60       |               | 0.2          | 0.2        | 7.1           |           | 7.1        | 6.9          |
| H36   | 2024       | 16            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2024  | 16         | 0.58       |               | 0.2          | 0.2        | 6.8           |           | 6.8        | 6.7          |
| H37   | 2025       | 17            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2025  | 17         | 0.56       |               | 0.2          | 0.2        | 6.6           |           | 6.6        | 6.4          |
| H38   | 2026       | 18            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2026  | 18         | 0.53       |               | 0.2          | 0.2        | 6.3           |           | 6.3        | 6.2          |
| H39   | 2027       | 19            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2027  | 19         | 0.51       |               | 0.1          | 0.1        | 6.1           |           | 6.1        | 5.9          |
| H40   | 2028       | 20            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2028  | 20         | 0.49       |               | 0.1          | 0.1        | 5.8           |           | 5.8        | 5.7          |
| H41   | 2029       | 21            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2029  | 21         | 0.47       |               | 0.1          | 0.1        | 5.6           |           | 5.6        | 5.5          |
| H42   | 2030       | 22            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2030  | 22         | 0.46       |               | 0.1          | 0.1        | 5.4           |           | 5.4        | 5.3          |
| H43   | 2031       | 23            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2031  | 23         | 0.44       |               | 0.1          | 0.1        | 5.2           |           | 5.2        | 5.1          |
| H44   | 2032       | 24            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2032  | 24         | 0.42       |               | 0.1          | 0.1        | 5.0           |           | 5.0        | 4.9          |
| H45   | 2033       | 25            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2033  | 25         | 0.41       |               | 0.1          | 0.1        | 4.8           |           | 4.8        | 4.7          |
| H46   | 2034       | 26            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2034  | 26         | 0.39       |               | 0.1          | 0.1        | 4.6           |           | 4.6        | 4.5          |
| H47   | 2035       | 27            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2035  | 27         | 0.38       |               | 0.1          | 0.1        | 4.4           |           | 4.4        | 4.3          |
| H48   | 2036       | 28            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2036  | 28         | 0.36       |               | 0.1          | 0.1        | 4.3           |           | 4.3        | 4.2          |
| H49   | 2037       | 29            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2037  | 29         | 0.35       |               | 0.1          | 0.1        | 4.1           |           | 4.1        | 4.0          |
| H50   | 2038       | 30            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2038  | 30         | 0.33       |               | 0.1          | 0.1        | 3.9           |           | 3.9        | 3.9          |
| H51   | 2039       | 31            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2039  | 31         | 0.32       |               | 0.1          | 0.1        | 3.8           |           | 3.8        | 3.7          |
| H52   | 2040       | 32            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2040  | 32         | 0.31       |               | 0.1          | 0.1        | 3.7           |           | 3.7        | 3.6          |
| H53   | 2041       | 33            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2041  | 33         | 0.30       |               | 0.1          | 0.1        | 3.5           |           | 3.5        | 3.4          |
| H54   | 2042       | 34            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2042  | 34         | 0.29       |               | 0.1          | 0.1        | 3.4           |           | 3.4        | 3.3          |
| H55   | 2043       | 35            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2043  | 35         | 0.27       |               | 0.1          | 0.1        | 3.2           |           | 3.2        | 3.2          |
| H56   | 2044       | 36            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2044  | 36         | 0.26       |               | 0.1          | 0.1        | 3.1           |           | 3.1        | 3.0          |
| H57   | 2045       | 37            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2045  | 37         | 0.25       |               | 0.1          | 0.1        | 3.0           |           | 3.0        | 2.9          |
| H58   | 2046       | 38            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2046  | 38         | 0.24       |               | 0.1          | 0.1        | 2.9           |           | 2.9        | 2.8          |
| H59   | 2047       | 39            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2047  | 39         | 0.23       |               | 0.1          | 0.1        | 2.8           |           | 2.8        | 2.7          |
| H60   | 2048       | 40            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2048  | 40         | 0.23       |               | 0.1          | 0.1        | 2.7           |           | 2.7        | 2.6          |
| H61   | 2049       | 41            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2049  | 41         | 0.22       |               | 0.1          | 0.1        | 2.6           |           | 2.6        | 2.5          |
| H62   | 2050       | 42            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2050  | 42         | 0.21       |               | 0.1          | 0.1        | 2.5           |           | 2.5        | 2.4          |
| H63   | 2051       | 43            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2051  | 43         | 0.20       |               | 0.1          | 0.1        | 2.4           |           | 2.4        | 2.3          |
| H64   | 2052       | 44            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2052  | 44         | 0.19       |               | 0.1          | 0.1        | 2.3           |           | 2.3        | 2.2          |
| H65   | 2053       | 45            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2053  | 45         | 0.19       |               | 0.1          | 0.1        | 2.2           |           | 2.2        | 2.1          |
| H66   | 2054       | 46            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2054  | 46         | 0.18       |               | 0.1          | 0.1        | 2.1           |           | 2.1        | 2.1          |
| H67   | 2055       | 47            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2055  | 47         | 0.17       |               | 0.0          | 0.0        | 2.0           |           | 2.0        | 2.0          |
| H68   | 2056       | 48            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2056  | 48         | 0.16       |               | 0.0          | 0.0        | 1.9           |           | 1.9        | 1.9          |
| H69   | 2057       | 49            |              | 0.3        | 0.3           | 11.8      |            | 11.8         | 11.6 | 2057  | 49         | 0.16       |               | 0.0          | 0.0        | 1.9           |           | 1.9        | 1.8          |
| H70   | 2058       | 50            |              | 0.3        | 0.3           | 11.8      | 10.0       | 21.9         | 21.6 | 2058  | 50         | 0.15       |               | 0.0          | 0.0        | 1.8           | 1.5       | 3.3        | 3.3          |
| H71   | 2059       |               |              |            |               |           |            |              |      | 2059  |            | 0.15       |               |              |            |               |           |            |              |
| H72   | 2060       |               |              |            |               |           |            |              |      | 2060  |            | 0.14       |               |              |            |               |           |            |              |
| H73   | 2061       |               |              |            |               |           |            |              |      | 2061  |            | 0.14       |               |              |            |               |           |            |              |
| H74   | 2062       |               |              |            |               |           |            |              |      | 2062  |            | 0.13       |               |              |            |               |           |            |              |
| 合 計   |            | 57.7          | 14.1         | 71.8       | 579.9         | 10.0      | 589.9      | 518.1        |      | 合 計   |            |            | 62.9          | 6.6          | 69.4       | 262.6         | 1.5       | 264.2      | 194.7        |

茨城港常陸那珂港区中央ふ頭地区 複合一貫輸送ターミナル整備事業【事業全体】建設費+10%  
費用便益分析シート(割引前)

費用便益分析シート(割引後)

|       |       |      |        |
|-------|-------|------|--------|
| EIRR= | 16.0% | NPV= | 192 億円 |
| B/C=  | 3.7   |      |        |

| (億円)  |            |               |              |            |                |           |            |              |      | (億円)  |            |            |               |              |            |                |           |            |              |
|-------|------------|---------------|--------------|------------|----------------|-----------|------------|--------------|------|-------|------------|------------|---------------|--------------|------------|----------------|-----------|------------|--------------|
| 割 引 前 |            |               |              |            |                |           |            |              |      | 割 引 後 |            |            |               |              |            |                |           |            |              |
| 年度    | 施設供<br>用期間 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト・削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |      | 年度    | 施設供<br>用期間 | 社会的<br>割引率 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト・削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |
| H16   | 2004       |               |              |            |                |           |            |              |      | 2004  |            | 1.27       |               |              |            |                |           |            |              |
| H17   | 2005       |               | 0.7          | 0.7        |                |           |            | -0.7         |      | 2005  |            | 1.22       | 0.8           |              | 0.8        |                |           |            | -0.8         |
| H18   | 2006       |               | 10.6         | 10.6       |                |           |            | -10.6        |      | 2006  |            | 1.17       | 12.4          |              | 12.4       |                |           |            | -12.4        |
| H19   | 2007       |               | 13.0         | 13.0       |                |           |            | -13.0        |      | 2007  |            | 1.12       | 14.6          |              | 14.6       |                |           |            | -14.6        |
| H20   | 2008       |               | 20.2         | 20.2       |                |           |            | -20.2        |      | 2008  |            | 1.08       | 21.9          |              | 21.9       |                |           |            | -21.9        |
| H21   | 2009       | 1             | 2.1          | 0.3        | 2.4            | 3.6       | 3.6        | 1.2          |      | 2009  | 1          | 1.04       | 2.2           | 0.3          | 2.4        | 3.7            |           | 3.7        | 1.3          |
| H22   | 2010       | 2             | 11.0         | 0.3        | 11.3           | 8.0       | 8.0        | -3.3         |      | 2010  | 2          | 1.00       | 11.0          | 0.3          | 11.3       | 8.0            |           | 8.0        | -3.3         |
| H23   | 2011       | 3             | 2.6          | 0.3        | 2.8            | 11.8      | 11.8       | 9.0          |      | 2011  | 3          | 0.96       | 2.5           | 0.3          | 2.7        | 11.4           |           | 11.4       | 8.6          |
| H24   | 2012       | 4             |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2012  | 4          | 0.92       |               | 0.3          | 0.3        | 10.9           |           | 10.9       | 10.7         |
| H25   | 2013       | 5             |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2013  | 5          | 0.89       |               | 0.3          | 0.3        | 10.5           |           | 10.5       | 10.3         |
| H26   | 2014       | 6             |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2014  | 6          | 0.85       |               | 0.2          | 0.2        | 10.1           |           | 10.1       | 9.9          |
| H27   | 2015       | 7             |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2015  | 7          | 0.82       |               | 0.2          | 0.2        | 9.7            |           | 9.7        | 9.5          |
| H28   | 2016       | 8             |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2016  | 8          | 0.79       |               | 0.2          | 0.2        | 9.4            |           | 9.4        | 9.1          |
| H29   | 2017       | 9             |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2017  | 9          | 0.76       |               | 0.2          | 0.2        | 9.0            |           | 9.0        | 8.8          |
| H30   | 2018       | 10            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2018  | 10         | 0.73       |               | 0.2          | 0.2        | 8.7            |           | 8.7        | 8.4          |
| H31   | 2019       | 11            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2019  | 11         | 0.70       |               | 0.2          | 0.2        | 8.3            |           | 8.3        | 8.1          |
| H32   | 2020       | 12            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2020  | 12         | 0.68       |               | 0.2          | 0.2        | 8.0            |           | 8.0        | 7.8          |
| H33   | 2021       | 13            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2021  | 13         | 0.65       |               | 0.2          | 0.2        | 7.7            |           | 7.7        | 7.5          |
| H34   | 2022       | 14            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2022  | 14         | 0.62       |               | 0.2          | 0.2        | 7.4            |           | 7.4        | 7.2          |
| H35   | 2023       | 15            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2023  | 15         | 0.60       |               | 0.2          | 0.2        | 7.1            |           | 7.1        | 6.9          |
| H36   | 2024       | 16            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2024  | 16         | 0.58       |               | 0.2          | 0.2        | 6.8            |           | 6.8        | 6.7          |
| H37   | 2025       | 17            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2025  | 17         | 0.56       |               | 0.2          | 0.2        | 6.6            |           | 6.6        | 6.4          |
| H38   | 2026       | 18            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2026  | 18         | 0.53       |               | 0.2          | 0.2        | 6.3            |           | 6.3        | 6.2          |
| H39   | 2027       | 19            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2027  | 19         | 0.51       |               | 0.1          | 0.1        | 6.1            |           | 6.1        | 5.9          |
| H40   | 2028       | 20            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2028  | 20         | 0.49       |               | 0.1          | 0.1        | 5.8            |           | 5.8        | 5.7          |
| H41   | 2029       | 21            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2029  | 21         | 0.47       |               | 0.1          | 0.1        | 5.6            |           | 5.6        | 5.5          |
| H42   | 2030       | 22            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2030  | 22         | 0.46       |               | 0.1          | 0.1        | 5.4            |           | 5.4        | 5.3          |
| H43   | 2031       | 23            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2031  | 23         | 0.44       |               | 0.1          | 0.1        | 5.2            |           | 5.2        | 5.1          |
| H44   | 2032       | 24            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2032  | 24         | 0.42       |               | 0.1          | 0.1        | 5.0            |           | 5.0        | 4.9          |
| H45   | 2033       | 25            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2033  | 25         | 0.41       |               | 0.1          | 0.1        | 4.8            |           | 4.8        | 4.7          |
| H46   | 2034       | 26            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2034  | 26         | 0.39       |               | 0.1          | 0.1        | 4.6            |           | 4.6        | 4.5          |
| H47   | 2035       | 27            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2035  | 27         | 0.38       |               | 0.1          | 0.1        | 4.4            |           | 4.4        | 4.3          |
| H48   | 2036       | 28            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2036  | 28         | 0.36       |               | 0.1          | 0.1        | 4.3            |           | 4.3        | 4.2          |
| H49   | 2037       | 29            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2037  | 29         | 0.35       |               | 0.1          | 0.1        | 4.1            |           | 4.1        | 4.0          |
| H50   | 2038       | 30            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2038  | 30         | 0.33       |               | 0.1          | 0.1        | 3.9            |           | 3.9        | 3.9          |
| H51   | 2039       | 31            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2039  | 31         | 0.32       |               | 0.1          | 0.1        | 3.8            |           | 3.8        | 3.7          |
| H52   | 2040       | 32            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2040  | 32         | 0.31       |               | 0.1          | 0.1        | 3.7            |           | 3.7        | 3.6          |
| H53   | 2041       | 33            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2041  | 33         | 0.30       |               | 0.1          | 0.1        | 3.5            |           | 3.5        | 3.4          |
| H54   | 2042       | 34            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2042  | 34         | 0.29       |               | 0.1          | 0.1        | 3.4            |           | 3.4        | 3.3          |
| H55   | 2043       | 35            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2043  | 35         | 0.27       |               | 0.1          | 0.1        | 3.2            |           | 3.2        | 3.2          |
| H56   | 2044       | 36            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2044  | 36         | 0.26       |               | 0.1          | 0.1        | 3.1            |           | 3.1        | 3.0          |
| H57   | 2045       | 37            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2045  | 37         | 0.25       |               | 0.1          | 0.1        | 3.0            |           | 3.0        | 2.9          |
| H58   | 2046       | 38            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2046  | 38         | 0.24       |               | 0.1          | 0.1        | 2.9            |           | 2.9        | 2.8          |
| H59   | 2047       | 39            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2047  | 39         | 0.23       |               | 0.1          | 0.1        | 2.8            |           | 2.8        | 2.7          |
| H60   | 2048       | 40            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2048  | 40         | 0.23       |               | 0.1          | 0.1        | 2.7            |           | 2.7        | 2.6          |
| H61   | 2049       | 41            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2049  | 41         | 0.22       |               | 0.1          | 0.1        | 2.6            |           | 2.6        | 2.5          |
| H62   | 2050       | 42            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2050  | 42         | 0.21       |               | 0.1          | 0.1        | 2.5            |           | 2.5        | 2.4          |
| H63   | 2051       | 43            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2051  | 43         | 0.20       |               | 0.1          | 0.1        | 2.4            |           | 2.4        | 2.3          |
| H64   | 2052       | 44            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2052  | 44         | 0.19       |               | 0.1          | 0.1        | 2.3            |           | 2.3        | 2.2          |
| H65   | 2053       | 45            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2053  | 45         | 0.19       |               | 0.1          | 0.1        | 2.2            |           | 2.2        | 2.1          |
| H66   | 2054       | 46            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2054  | 46         | 0.18       |               | 0.1          | 0.1        | 2.1            |           | 2.1        | 2.1          |
| H67   | 2055       | 47            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2055  | 47         | 0.17       |               | 0.0          | 0.0        | 2.0            |           | 2.0        | 2.0          |
| H68   | 2056       | 48            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2056  | 48         | 0.16       |               | 0.0          | 0.0        | 1.9            |           | 1.9        | 1.9          |
| H69   | 2057       | 49            |              | 0.3        | 0.3            | 11.8      | 11.8       | 11.6         |      | 2057  | 49         | 0.16       |               | 0.0          | 0.0        | 1.9            |           | 1.9        | 1.8          |
| H70   | 2058       | 50            |              | 0.3        | 0.3            | 11.8      | 10.0       | 21.9         | 21.6 | 2058  | 50         | 0.15       |               | 0.0          | 0.0        | 1.8            |           | 1.5        | 3.3          |
| 合 計   |            | 60.1          | 14.1         | 74.2       | 579.9          | 10.0      | 589.9      | 515.7        |      | 合 計   |            |            | 65.3          | 6.6          | 71.9       | 262.6          | 1.5       | 264.2      | 192.3        |

茨城港常陸那珂港区中央ふ頭地区 複合一貫輸送ターミナル整備事業【事業全体】建設期間-10%

費用便益分析シート(割引前)

費用便益分析シート(割引後)

|       |       |      |        |
|-------|-------|------|--------|
| EIRR= | 16.1% | NPV= | 193 億円 |
| B/C=  | 3.7   |      |        |

| (億円)  |            |               |              |            |               |           |            |              |      | (億円)  |            |            |               |              |            |               |           |            |              |
|-------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|------|-------|------------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|
| 割 引 前 |            |               |              |            |               |           |            |              |      | 割 引 後 |            |            |               |              |            |               |           |            |              |
| 年度    | 施設供<br>用期間 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |      | 年度    | 施設供<br>用期間 | 社会的<br>割引率 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |
| H16   | 2004       |               |              |            |               |           |            |              |      | 2004  |            | 1.27       |               |              |            |               |           |            |              |
| H17   | 2005       |               | 0.7          | 0.7        |               |           |            | -0.7         |      | 2005  |            | 1.22       | 0.8           |              | 0.8        |               |           |            | -0.8         |
| H18   | 2006       |               | 10.6         | 10.6       |               |           |            | -10.6        |      | 2006  |            | 1.17       | 12.4          |              | 12.4       |               |           |            | -12.4        |
| H19   | 2007       |               | 13.0         | 13.0       |               |           |            | -13.0        |      | 2007  |            | 1.12       | 14.6          |              | 14.6       |               |           |            | -14.6        |
| H20   | 2008       |               | 20.2         | 20.2       |               |           |            | -20.2        |      | 2008  |            | 1.08       | 21.9          |              | 21.9       |               |           |            | -21.9        |
| H21   | 2009       | 1             | 2.1          | 0.3        | 2.4           | 3.6       | 3.6        | 1.2          |      | 2009  | 1          | 1.04       | 2.2           | 0.3          | 2.4        | 3.7           |           | 3.7        | 1.3          |
| H22   | 2010       | 2             | 12.3         | 0.3        | 12.6          | 8.0       | 8.0        | -4.6         |      | 2010  | 2          | 1.00       | 12.3          | 0.3          | 12.6       | 8.0           |           | 8.0        | -4.6         |
| H23   | 2011       | 3             |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2011  | 3          | 0.96       |               | 0.3          | 0.3        | 11.4          |           | 11.4       | 11.1         |
| H24   | 2012       | 4             |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2012  | 4          | 0.92       |               | 0.3          | 0.3        | 10.9          |           | 10.9       | 10.7         |
| H25   | 2013       | 5             |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2013  | 5          | 0.89       |               | 0.3          | 0.3        | 10.5          |           | 10.5       | 10.3         |
| H26   | 2014       | 6             |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2014  | 6          | 0.85       |               | 0.2          | 0.2        | 10.1          |           | 10.1       | 9.9          |
| H27   | 2015       | 7             |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2015  | 7          | 0.82       |               | 0.2          | 0.2        | 9.7           |           | 9.7        | 9.5          |
| H28   | 2016       | 8             |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2016  | 8          | 0.79       |               | 0.2          | 0.2        | 9.4           |           | 9.4        | 9.1          |
| H29   | 2017       | 9             |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2017  | 9          | 0.76       |               | 0.2          | 0.2        | 9.0           |           | 9.0        | 8.8          |
| H30   | 2018       | 10            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2018  | 10         | 0.73       |               | 0.2          | 0.2        | 8.7           |           | 8.7        | 8.4          |
| H31   | 2019       | 11            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2019  | 11         | 0.70       |               | 0.2          | 0.2        | 8.3           |           | 8.3        | 8.1          |
| H32   | 2020       | 12            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2020  | 12         | 0.68       |               | 0.2          | 0.2        | 8.0           |           | 8.0        | 7.8          |
| H33   | 2021       | 13            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2021  | 13         | 0.65       |               | 0.2          | 0.2        | 7.7           |           | 7.7        | 7.5          |
| H34   | 2022       | 14            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2022  | 14         | 0.62       |               | 0.2          | 0.2        | 7.4           |           | 7.4        | 7.2          |
| H35   | 2023       | 15            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2023  | 15         | 0.60       |               | 0.2          | 0.2        | 7.1           |           | 7.1        | 6.9          |
| H36   | 2024       | 16            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2024  | 16         | 0.58       |               | 0.2          | 0.2        | 6.8           |           | 6.8        | 6.7          |
| H37   | 2025       | 17            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2025  | 17         | 0.56       |               | 0.2          | 0.2        | 6.6           |           | 6.6        | 6.4          |
| H38   | 2026       | 18            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2026  | 18         | 0.53       |               | 0.2          | 0.2        | 6.3           |           | 6.3        | 6.2          |
| H39   | 2027       | 19            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2027  | 19         | 0.51       |               | 0.1          | 0.1        | 6.1           |           | 6.1        | 5.9          |
| H40   | 2028       | 20            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2028  | 20         | 0.49       |               | 0.1          | 0.1        | 5.8           |           | 5.8        | 5.7          |
| H41   | 2029       | 21            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2029  | 21         | 0.47       |               | 0.1          | 0.1        | 5.6           |           | 5.6        | 5.5          |
| H42   | 2030       | 22            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2030  | 22         | 0.46       |               | 0.1          | 0.1        | 5.4           |           | 5.4        | 5.3          |
| H43   | 2031       | 23            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2031  | 23         | 0.44       |               | 0.1          | 0.1        | 5.2           |           | 5.2        | 5.1          |
| H44   | 2032       | 24            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2032  | 24         | 0.42       |               | 0.1          | 0.1        | 5.0           |           | 5.0        | 4.9          |
| H45   | 2033       | 25            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2033  | 25         | 0.41       |               | 0.1          | 0.1        | 4.8           |           | 4.8        | 4.7          |
| H46   | 2034       | 26            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2034  | 26         | 0.39       |               | 0.1          | 0.1        | 4.6           |           | 4.6        | 4.5          |
| H47   | 2035       | 27            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2035  | 27         | 0.38       |               | 0.1          | 0.1        | 4.4           |           | 4.4        | 4.3          |
| H48   | 2036       | 28            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2036  | 28         | 0.36       |               | 0.1          | 0.1        | 4.3           |           | 4.3        | 4.2          |
| H49   | 2037       | 29            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2037  | 29         | 0.35       |               | 0.1          | 0.1        | 4.1           |           | 4.1        | 4.0          |
| H50   | 2038       | 30            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2038  | 30         | 0.33       |               | 0.1          | 0.1        | 3.9           |           | 3.9        | 3.9          |
| H51   | 2039       | 31            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2039  | 31         | 0.32       |               | 0.1          | 0.1        | 3.8           |           | 3.8        | 3.7          |
| H52   | 2040       | 32            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2040  | 32         | 0.31       |               | 0.1          | 0.1        | 3.7           |           | 3.7        | 3.6          |
| H53   | 2041       | 33            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2041  | 33         | 0.30       |               | 0.1          | 0.1        | 3.5           |           | 3.5        | 3.4          |
| H54   | 2042       | 34            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2042  | 34         | 0.29       |               | 0.1          | 0.1        | 3.4           |           | 3.4        | 3.3          |
| H55   | 2043       | 35            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2043  | 35         | 0.27       |               | 0.1          | 0.1        | 3.2           |           | 3.2        | 3.2          |
| H56   | 2044       | 36            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2044  | 36         | 0.26       |               | 0.1          | 0.1        | 3.1           |           | 3.1        | 3.0          |
| H57   | 2045       | 37            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2045  | 37         | 0.25       |               | 0.1          | 0.1        | 3.0           |           | 3.0        | 2.9          |
| H58   | 2046       | 38            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2046  | 38         | 0.24       |               | 0.1          | 0.1        | 2.9           |           | 2.9        | 2.8          |
| H59   | 2047       | 39            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2047  | 39         | 0.23       |               | 0.1          | 0.1        | 2.8           |           | 2.8        | 2.7          |
| H60   | 2048       | 40            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2048  | 40         | 0.23       |               | 0.1          | 0.1        | 2.7           |           | 2.7        | 2.6          |
| H61   | 2049       | 41            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2049  | 41         | 0.22       |               | 0.1          | 0.1        | 2.6           |           | 2.6        | 2.5          |
| H62   | 2050       | 42            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2050  | 42         | 0.21       |               | 0.1          | 0.1        | 2.5           |           | 2.5        | 2.4          |
| H63   | 2051       | 43            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2051  | 43         | 0.20       |               | 0.1          | 0.1        | 2.4           |           | 2.4        | 2.3          |
| H64   | 2052       | 44            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2052  | 44         | 0.19       |               | 0.1          | 0.1        | 2.3           |           | 2.3        | 2.2          |
| H65   | 2053       | 45            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2053  | 45         | 0.19       |               | 0.1          | 0.1        | 2.2           |           | 2.2        | 2.1          |
| H66   | 2054       | 46            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2054  | 46         | 0.18       |               | 0.1          | 0.1        | 2.1           |           | 2.1        | 2.1          |
| H67   | 2055       | 47            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2055  | 47         | 0.17       |               | 0.0          | 0.0        | 2.0           |           | 2.0        | 2.0          |
| H68   | 2056       | 48            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2056  | 48         | 0.16       |               | 0.0          | 0.0        | 1.9           |           | 1.9        | 1.9          |
| H69   | 2057       | 49            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2057  | 49         | 0.16       |               | 0.0          | 0.0        | 1.9           |           | 1.9        | 1.8          |
| H70   | 2058       | 50            |              | 0.3        | 0.3           | 11.8      | 10.0       | 21.9         | 21.6 | 2058  | 50         | 0.15       |               | 0.0          | 0.0        | 1.8           |           | 1.5        | 3.3          |
| 合 計   |            |               |              |            |               |           |            |              |      | 合 計   |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |
|       |            |               |              |            |               |           |            |              |      |       |            |            |               |              |            |               |           |            |              |

茨城港常陸那珂港区中央ふ頭地区 複合一貫輸送ターミナル整備事業【事業全体】建設期間+10%  
費用便益分析シート(割引前)

費用便益分析シート(割引後)

|       |       |      |        |
|-------|-------|------|--------|
| EIRR= | 16.3% | NPV= | 194 億円 |
| B/C=  | 3.7   |      |        |

| (億円)  |            |               |              |            |               |           |            |              |      | (億円)  |            |               |              |            |               |           |            |              |     |
|-------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|------|-------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|-----|
| 割 引 前 |            |               |              |            |               |           |            |              |      | 割 引 後 |            |               |              |            |               |           |            |              |     |
| 年度    | 施設供<br>用期間 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト<br>削減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |      | 年度    | 社会的<br>割引率 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト<br>削減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |     |
| H16   | 2004       |               |              |            |               |           |            |              |      | 2004  | 1.27       |               |              |            |               |           |            |              |     |
| H17   | 2005       |               | 0.7          | 0.7        |               |           |            | -0.7         |      | 2005  | 1.22       | 0.8           |              | 0.8        |               |           |            | -0.8         |     |
| H18   | 2006       |               | 10.6         | 10.6       |               |           |            | -10.6        |      | 2006  | 1.17       | 12.4          |              | 12.4       |               |           |            | -12.4        |     |
| H19   | 2007       |               | 13.0         | 13.0       |               |           |            | -13.0        |      | 2007  | 1.12       | 14.6          |              | 14.6       |               |           |            | -14.6        |     |
| H20   | 2008       |               | 20.2         | 20.2       |               |           |            | -20.2        |      | 2008  | 1.08       | 21.9          |              | 21.9       |               |           |            | -21.9        |     |
| H21   | 2009       | 1             | 2.1          | 0.3        | 2.4           | 3.6       | 3.6        | 1.2          |      | 2009  | 1          | 1.04          | 2.2          | 0.3        | 2.4           | 3.7       | 3.7        | 1.3          |     |
| H22   | 2010       | 2             | 6.7          | 0.3        | 6.9           | 8.0       | 8.0        | 1.0          |      | 2010  | 2          | 1.00          | 6.7          | 0.3        | 6.9           | 8.0       | 8.0        | 1.0          |     |
| H23   | 2011       | 3             | 4.1          | 0.3        | 4.4           | 11.8      | 11.8       | 7.4          |      | 2011  | 3          | 0.96          | 4.0          | 0.3        | 4.2           | 11.4      | 11.4       | 7.2          |     |
| H24   | 2012       | 4             | 1.6          | 0.3        | 1.8           | 11.8      | 11.8       | 10.0         |      | 2012  | 4          | 0.92          | 1.4          | 0.3        | 1.7           | 10.9      | 10.9       | 9.2          |     |
| H25   | 2013       | 5             |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2013  | 5          | 0.89          |              | 0.3        | 0.3           | 10.5      | 10.5       | 10.3         |     |
| H26   | 2014       | 6             |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2014  | 6          | 0.85          |              | 0.2        | 0.2           | 10.1      | 10.1       | 9.9          |     |
| H27   | 2015       | 7             |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2015  | 7          | 0.82          |              | 0.2        | 0.2           | 9.7       | 9.7        | 9.5          |     |
| H28   | 2016       | 8             |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2016  | 8          | 0.79          |              | 0.2        | 0.2           | 9.4       | 9.4        | 9.1          |     |
| H29   | 2017       | 9             |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2017  | 9          | 0.76          |              | 0.2        | 0.2           | 9.0       | 9.0        | 8.8          |     |
| H30   | 2018       | 10            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2018  | 10         | 0.73          |              | 0.2        | 0.2           | 8.7       | 8.7        | 8.4          |     |
| H31   | 2019       | 11            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2019  | 11         | 0.70          |              | 0.2        | 0.2           | 8.3       | 8.3        | 8.1          |     |
| H32   | 2020       | 12            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2020  | 12         | 0.68          |              | 0.2        | 0.2           | 8.0       | 8.0        | 7.8          |     |
| H33   | 2021       | 13            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2021  | 13         | 0.65          |              | 0.2        | 0.2           | 7.7       | 7.7        | 7.5          |     |
| H34   | 2022       | 14            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2022  | 14         | 0.62          |              | 0.2        | 0.2           | 7.4       | 7.4        | 7.2          |     |
| H35   | 2023       | 15            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2023  | 15         | 0.60          |              | 0.2        | 0.2           | 7.1       | 7.1        | 6.9          |     |
| H36   | 2024       | 16            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2024  | 16         | 0.58          |              | 0.2        | 0.2           | 6.8       | 6.8        | 6.7          |     |
| H37   | 2025       | 17            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2025  | 17         | 0.56          |              | 0.2        | 0.2           | 6.6       | 6.6        | 6.4          |     |
| H38   | 2026       | 18            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2026  | 18         | 0.53          |              | 0.2        | 0.2           | 6.3       | 6.3        | 6.2          |     |
| H39   | 2027       | 19            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2027  | 19         | 0.51          |              | 0.1        | 0.1           | 6.1       | 6.1        | 5.9          |     |
| H40   | 2028       | 20            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2028  | 20         | 0.49          |              | 0.1        | 0.1           | 5.8       | 5.8        | 5.7          |     |
| H41   | 2029       | 21            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2029  | 21         | 0.47          |              | 0.1        | 0.1           | 5.6       | 5.6        | 5.5          |     |
| H42   | 2030       | 22            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2030  | 22         | 0.46          |              | 0.1        | 0.1           | 5.4       | 5.4        | 5.3          |     |
| H43   | 2031       | 23            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2031  | 23         | 0.44          |              | 0.1        | 0.1           | 5.2       | 5.2        | 5.1          |     |
| H44   | 2032       | 24            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2032  | 24         | 0.42          |              | 0.1        | 0.1           | 5.0       | 5.0        | 4.9          |     |
| H45   | 2033       | 25            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2033  | 25         | 0.41          |              | 0.1        | 0.1           | 4.8       | 4.8        | 4.7          |     |
| H46   | 2034       | 26            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2034  | 26         | 0.39          |              | 0.1        | 0.1           | 4.6       | 4.6        | 4.5          |     |
| H47   | 2035       | 27            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2035  | 27         | 0.38          |              | 0.1        | 0.1           | 4.4       | 4.4        | 4.3          |     |
| H48   | 2036       | 28            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2036  | 28         | 0.36          |              | 0.1        | 0.1           | 4.3       | 4.3        | 4.2          |     |
| H49   | 2037       | 29            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2037  | 29         | 0.35          |              | 0.1        | 0.1           | 4.1       | 4.1        | 4.0          |     |
| H50   | 2038       | 30            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2038  | 30         | 0.33          |              | 0.1        | 0.1           | 3.9       | 3.9        | 3.9          |     |
| H51   | 2039       | 31            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2039  | 31         | 0.32          |              | 0.1        | 0.1           | 3.8       | 3.8        | 3.7          |     |
| H52   | 2040       | 32            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2040  | 32         | 0.31          |              | 0.1        | 0.1           | 3.7       | 3.7        | 3.6          |     |
| H53   | 2041       | 33            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2041  | 33         | 0.30          |              | 0.1        | 0.1           | 3.5       | 3.5        | 3.4          |     |
| H54   | 2042       | 34            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2042  | 34         | 0.29          |              | 0.1        | 0.1           | 3.4       | 3.4        | 3.3          |     |
| H55   | 2043       | 35            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2043  | 35         | 0.27          |              | 0.1        | 0.1           | 3.2       | 3.2        | 3.2          |     |
| H56   | 2044       | 36            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2044  | 36         | 0.26          |              | 0.1        | 0.1           | 3.1       | 3.1        | 3.0          |     |
| H57   | 2045       | 37            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2045  | 37         | 0.25          |              | 0.1        | 0.1           | 3.0       | 3.0        | 2.9          |     |
| H58   | 2046       | 38            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2046  | 38         | 0.24          |              | 0.1        | 0.1           | 2.9       | 2.9        | 2.8          |     |
| H59   | 2047       | 39            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2047  | 39         | 0.23          |              | 0.1        | 0.1           | 2.8       | 2.8        | 2.7          |     |
| H60   | 2048       | 40            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2048  | 40         | 0.23          |              | 0.1        | 0.1           | 2.7       | 2.7        | 2.6          |     |
| H61   | 2049       | 41            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2049  | 41         | 0.22          |              | 0.1        | 0.1           | 2.6       | 2.6        | 2.5          |     |
| H62   | 2050       | 42            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2050  | 42         | 0.21          |              | 0.1        | 0.1           | 2.5       | 2.5        | 2.4          |     |
| H63   | 2051       | 43            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2051  | 43         | 0.20          |              | 0.1        | 0.1           | 2.4       | 2.4        | 2.3          |     |
| H64   | 2052       | 44            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2052  | 44         | 0.19          |              | 0.1        | 0.1           | 2.3       | 2.3        | 2.2          |     |
| H65   | 2053       | 45            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2053  | 45         | 0.19          |              | 0.1        | 0.1           | 2.2       | 2.2        | 2.1          |     |
| H66   | 2054       | 46            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2054  | 46         | 0.18          |              | 0.1        | 0.1           | 2.1       | 2.1        | 2.1          |     |
| H67   | 2055       | 47            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2055  | 47         | 0.17          |              | 0.0        | 0.0           | 2.0       | 2.0        | 2.0          |     |
| H68   | 2056       | 48            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2056  | 48         | 0.16          |              | 0.0        | 0.0           | 1.9       | 1.9        | 1.9          |     |
| H69   | 2057       | 49            |              | 0.3        | 0.3           | 11.8      | 11.8       | 11.6         |      | 2057  | 49         | 0.16          |              | 0.0        | 0.0           | 1.9       | 1.9        | 1.8          |     |
| H70   | 2058       | 50            |              | 0.3        | 0.3           | 11.8      | 10.0       | 21.9         | 21.6 | 2058  | 50         | 0.15          |              | 0.0        | 0.0           | 1.8       | 1.5        | 3.3          | 3.3 |
| H71   | 2059       |               |              |            |               |           |            |              |      | 2059  |            | 0.15          |              |            |               |           |            |              |     |
| H72   | 2060       |               |              |            |               |           |            |              |      | 2060  |            | 0.14          |              |            |               |           |            |              |     |
| H73   | 2061       |               |              |            |               |           |            |              |      | 2061  |            | 0.14          |              |            |               |           |            |              |     |
| H74   | 2062       |               |              |            |               |           |            |              |      | 2062  |            | 0.13          |              |            |               |           |            |              |     |
| H75   | 2063       |               |              |            |               |           |            |              |      | 2063  |            | 0.13          |              |            |               |           |            |              |     |
| 合 計   |            | 58.9          | 14.1         | 73.0       | 579.9         | 10.0      | 589.9      | 516.9        |      | 合 計   |            | 63.9          | 6.6          | 70.5       | 262.6         | 1.5       | 264.2      | 193.7        |     |

茨城港常陸那珂港区中央ふ頭地区 複合一貫輸送ターミナル整備事業【残事業】  
費用便益分析シート(割引前)

費用便益分析シート(割引後)

|       |       |      |       |
|-------|-------|------|-------|
| EIRR= | 23.5% | NPV= | 60 億円 |
| B/C=  | 4.2   |      |       |

| (億円)  |            |               |              |            |               |           |            |              |  | (億円)  |            |            |               |              |            |               |           |            |              |
|-------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|--|-------|------------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|
| 割 引 前 |            |               |              |            |               |           |            |              |  | 割 引 後 |            |            |               |              |            |               |           |            |              |
| 年度    | 施設供<br>用期間 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |  | 年度    | 施設供<br>用期間 | 社会的<br>割引率 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |
| H16   | 2004       |               |              |            |               |           |            |              |  | 2004  |            | 1.27       |               |              |            |               |           |            |              |
| H17   | 2005       |               |              |            |               |           |            |              |  | 2005  |            | 1.22       |               |              |            |               |           |            |              |
| H18   | 2006       |               |              |            |               |           |            |              |  | 2006  |            | 1.17       |               |              |            |               |           |            |              |
| H19   | 2007       |               |              |            |               |           |            |              |  | 2007  |            | 1.12       |               |              |            |               |           |            |              |
| H20   | 2008       |               |              |            |               |           |            |              |  | 2008  |            | 1.08       |               |              |            |               |           |            |              |
| H21   | 2009       | 1             |              |            |               |           |            |              |  | 2009  | 1          | 1.04       |               |              |            |               |           |            |              |
| H22   | 2010       | 2             | 10.0         | 0.3        | 10.3          |           |            | -10.3        |  | 2010  | 2          | 1.00       | 10.0          | 0.3          | 10.3       |               |           |            | -10.3        |
| H23   | 2011       | 3             | 2.3          | 0.3        | 2.6           |           |            | -2.6         |  | 2011  | 3          | 0.96       | 2.2           | 0.3          | 2.5        |               |           |            | -2.5         |
| H24   | 2012       | 4             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2012  | 4          | 0.92       |               | 0.3          | 0.3        | 3.6           |           | 3.6        | 3.3          |
| H25   | 2013       | 5             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2013  | 5          | 0.89       |               | 0.3          | 0.3        | 3.4           |           | 3.4        | 3.2          |
| H26   | 2014       | 6             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2014  | 6          | 0.85       |               | 0.2          | 0.2        | 3.3           |           | 3.3        | 3.1          |
| H27   | 2015       | 7             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2015  | 7          | 0.82       |               | 0.2          | 0.2        | 3.2           |           | 3.2        | 3.0          |
| H28   | 2016       | 8             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2016  | 8          | 0.79       |               | 0.2          | 0.2        | 3.1           |           | 3.1        | 2.8          |
| H29   | 2017       | 9             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2017  | 9          | 0.76       |               | 0.2          | 0.2        | 2.9           |           | 2.9        | 2.7          |
| H30   | 2018       | 10            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2018  | 10         | 0.73       |               | 0.2          | 0.2        | 2.8           |           | 2.8        | 2.6          |
| H31   | 2019       | 11            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2019  | 11         | 0.70       |               | 0.2          | 0.2        | 2.7           |           | 2.7        | 2.5          |
| H32   | 2020       | 12            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2020  | 12         | 0.68       |               | 0.2          | 0.2        | 2.6           |           | 2.6        | 2.4          |
| H33   | 2021       | 13            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2021  | 13         | 0.65       |               | 0.2          | 0.2        | 2.5           |           | 2.5        | 2.3          |
| H34   | 2022       | 14            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2022  | 14         | 0.62       |               | 0.2          | 0.2        | 2.4           |           | 2.4        | 2.2          |
| H35   | 2023       | 15            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2023  | 15         | 0.60       |               | 0.2          | 0.2        | 2.3           |           | 2.3        | 2.2          |
| H36   | 2024       | 16            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2024  | 16         | 0.58       |               | 0.2          | 0.2        | 2.2           |           | 2.2        | 2.1          |
| H37   | 2025       | 17            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2025  | 17         | 0.56       |               | 0.2          | 0.2        | 2.2           |           | 2.2        | 2.0          |
| H38   | 2026       | 18            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2026  | 18         | 0.53       |               | 0.2          | 0.2        | 2.1           |           | 2.1        | 1.9          |
| H39   | 2027       | 19            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2027  | 19         | 0.51       |               | 0.1          | 0.1        | 2.0           |           | 2.0        | 1.8          |
| H40   | 2028       | 20            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2028  | 20         | 0.49       |               | 0.1          | 0.1        | 1.9           |           | 1.9        | 1.8          |
| H41   | 2029       | 21            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2029  | 21         | 0.47       |               | 0.1          | 0.1        | 1.8           |           | 1.8        | 1.7          |
| H42   | 2030       | 22            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2030  | 22         | 0.46       |               | 0.1          | 0.1        | 1.8           |           | 1.8        | 1.6          |
| H43   | 2031       | 23            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2031  | 23         | 0.44       |               | 0.1          | 0.1        | 1.7           |           | 1.7        | 1.6          |
| H44   | 2032       | 24            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2032  | 24         | 0.42       |               | 0.1          | 0.1        | 1.6           |           | 1.6        | 1.5          |
| H45   | 2033       | 25            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2033  | 25         | 0.41       |               | 0.1          | 0.1        | 1.6           |           | 1.6        | 1.5          |
| H46   | 2034       | 26            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2034  | 26         | 0.39       |               | 0.1          | 0.1        | 1.5           |           | 1.5        | 1.4          |
| H47   | 2035       | 27            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2035  | 27         | 0.38       |               | 0.1          | 0.1        | 1.5           |           | 1.5        | 1.3          |
| H48   | 2036       | 28            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2036  | 28         | 0.36       |               | 0.1          | 0.1        | 1.4           |           | 1.4        | 1.3          |
| H49   | 2037       | 29            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2037  | 29         | 0.35       |               | 0.1          | 0.1        | 1.3           |           | 1.3        | 1.2          |
| H50   | 2038       | 30            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2038  | 30         | 0.33       |               | 0.1          | 0.1        | 1.3           |           | 1.3        | 1.2          |
| H51   | 2039       | 31            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2039  | 31         | 0.32       |               | 0.1          | 0.1        | 1.2           |           | 1.2        | 1.2          |
| H52   | 2040       | 32            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2040  | 32         | 0.31       |               | 0.1          | 0.1        | 1.2           |           | 1.2        | 1.1          |
| H53   | 2041       | 33            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2041  | 33         | 0.30       |               | 0.1          | 0.1        | 1.1           |           | 1.1        | 1.1          |
| H54   | 2042       | 34            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2042  | 34         | 0.29       |               | 0.1          | 0.1        | 1.1           |           | 1.1        | 1.0          |
| H55   | 2043       | 35            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2043  | 35         | 0.27       |               | 0.1          | 0.1        | 1.1           |           | 1.1        | 1.0          |
| H56   | 2044       | 36            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2044  | 36         | 0.26       |               | 0.1          | 0.1        | 1.0           |           | 1.0        | 0.9          |
| H57   | 2045       | 37            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2045  | 37         | 0.25       |               | 0.1          | 0.1        | 1.0           |           | 1.0        | 0.9          |
| H58   | 2046       | 38            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2046  | 38         | 0.24       |               | 0.1          | 0.1        | 0.9           |           | 0.9        | 0.9          |
| H59   | 2047       | 39            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2047  | 39         | 0.23       |               | 0.1          | 0.1        | 0.9           |           | 0.9        | 0.8          |
| H60   | 2048       | 40            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2048  | 40         | 0.23       |               | 0.1          | 0.1        | 0.9           |           | 0.9        | 0.8          |
| H61   | 2049       | 41            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2049  | 41         | 0.22       |               | 0.1          | 0.1        | 0.8           |           | 0.8        | 0.8          |
| H62   | 2050       | 42            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2050  | 42         | 0.21       |               | 0.1          | 0.1        | 0.8           |           | 0.8        | 0.7          |
| H63   | 2051       | 43            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2051  | 43         | 0.20       |               | 0.1          | 0.1        | 0.8           |           | 0.8        | 0.7          |
| H64   | 2052       | 44            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2052  | 44         | 0.19       |               | 0.1          | 0.1        | 0.7           |           | 0.7        | 0.7          |
| H65   | 2053       | 45            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2053  | 45         | 0.19       |               | 0.1          | 0.1        | 0.7           |           | 0.7        | 0.7          |
| H66   | 2054       | 46            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2054  | 46         | 0.18       |               | 0.1          | 0.1        | 0.7           |           | 0.7        | 0.6          |
| H67   | 2055       | 47            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2055  | 47         | 0.17       |               | 0.0          | 0.0        | 0.7           |           | 0.7        | 0.6          |
| H68   | 2056       | 48            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2056  | 48         | 0.16       |               | 0.0          | 0.0        | 0.6           |           | 0.6        | 0.6          |
| H69   | 2057       | 49            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2057  | 49         | 0.16       |               | 0.0          | 0.0        | 0.6           |           | 0.6        | 0.6          |
| H70   | 2058       | 50            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2058  | 50         | 0.15       |               | 0.0          | 0.0        | 0.6           |           | 0.6        | 0.5          |
| 合 計   |            | 12.3          | 13.8         | 26.2       | 182.2         |           | 182.2      | 156.1        |  | 合 計   |            |            | 12.2          | 6.3          | 18.5       | 78.4          |           | 78.4       | 59.9         |

茨城港常陸那珂港区中央ふ頭地区 複合一貫輸送ターミナル整備事業【残事業】需要-10%  
費用便益分析シート(割引前) 費用便益分析シート(割引後)

|       |       |      |       |
|-------|-------|------|-------|
| EIRR= | 21.3% | NPV= | 52 億円 |
| B/C=  | 3.8   |      |       |

| (億円)  |            |               |              |            |               |           |            |              |  | (億円)  |            |            |               |              |            |               |           |            |              |
|-------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|--|-------|------------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|
| 割 引 前 |            |               |              |            |               |           |            |              |  | 割 引 後 |            |            |               |              |            |               |           |            |              |
| 年度    | 施設供<br>用期間 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |  | 年度    | 施設供<br>用期間 | 社会的<br>割引率 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |
| H16   | 2004       |               |              |            |               |           |            |              |  | 2004  |            | 1.27       |               |              |            |               |           |            |              |
| H17   | 2005       |               |              |            |               |           |            |              |  | 2005  |            | 1.22       |               |              |            |               |           |            |              |
| H18   | 2006       |               |              |            |               |           |            |              |  | 2006  |            | 1.17       |               |              |            |               |           |            |              |
| H19   | 2007       |               |              |            |               |           |            |              |  | 2007  |            | 1.12       |               |              |            |               |           |            |              |
| H20   | 2008       |               |              |            |               |           |            |              |  | 2008  |            | 1.08       |               |              |            |               |           |            |              |
| H21   | 2009       | 1             |              |            |               |           |            |              |  | 2009  | 1          | 1.04       |               |              |            |               |           |            |              |
| H22   | 2010       | 2             | 10.0         | 0.3        | 10.3          |           |            | -10.3        |  | 2010  | 2          | 1.00       | 10.0          | 0.3          | 10.3       |               |           |            | -10.3        |
| H23   | 2011       | 3             | 2.3          | 0.3        | 2.6           |           |            | -2.6         |  | 2011  | 3          | 0.96       | 2.2           | 0.3          | 2.5        |               |           |            | -2.5         |
| H24   | 2012       | 4             |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2012  | 4          | 0.92       |               | 0.3          | 0.3        | 3.2           |           | 3.2        | 3.0          |
| H25   | 2013       | 5             |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2013  | 5          | 0.89       |               | 0.3          | 0.3        | 3.1           |           | 3.1        | 2.9          |
| H26   | 2014       | 6             |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2014  | 6          | 0.85       |               | 0.2          | 0.2        | 3.0           |           | 3.0        | 2.7          |
| H27   | 2015       | 7             |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2015  | 7          | 0.82       |               | 0.2          | 0.2        | 2.9           |           | 2.9        | 2.6          |
| H28   | 2016       | 8             |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2016  | 8          | 0.79       |               | 0.2          | 0.2        | 2.8           |           | 2.8        | 2.5          |
| H29   | 2017       | 9             |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2017  | 9          | 0.76       |               | 0.2          | 0.2        | 2.7           |           | 2.7        | 2.4          |
| H30   | 2018       | 10            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2018  | 10         | 0.73       |               | 0.2          | 0.2        | 2.5           |           | 2.5        | 2.3          |
| H31   | 2019       | 11            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2019  | 11         | 0.70       |               | 0.2          | 0.2        | 2.5           |           | 2.5        | 2.3          |
| H32   | 2020       | 12            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2020  | 12         | 0.68       |               | 0.2          | 0.2        | 2.4           |           | 2.4        | 2.2          |
| H33   | 2021       | 13            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2021  | 13         | 0.65       |               | 0.2          | 0.2        | 2.3           |           | 2.3        | 2.1          |
| H34   | 2022       | 14            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2022  | 14         | 0.62       |               | 0.2          | 0.2        | 2.2           |           | 2.2        | 2.0          |
| H35   | 2023       | 15            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2023  | 15         | 0.60       |               | 0.2          | 0.2        | 2.1           |           | 2.1        | 1.9          |
| H36   | 2024       | 16            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2024  | 16         | 0.58       |               | 0.2          | 0.2        | 2.0           |           | 2.0        | 1.9          |
| H37   | 2025       | 17            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2025  | 17         | 0.56       |               | 0.2          | 0.2        | 1.9           |           | 1.9        | 1.8          |
| H38   | 2026       | 18            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2026  | 18         | 0.53       |               | 0.2          | 0.2        | 1.9           |           | 1.9        | 1.7          |
| H39   | 2027       | 19            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2027  | 19         | 0.51       |               | 0.1          | 0.1        | 1.8           |           | 1.8        | 1.6          |
| H40   | 2028       | 20            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2028  | 20         | 0.49       |               | 0.1          | 0.1        | 1.7           |           | 1.7        | 1.6          |
| H41   | 2029       | 21            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2029  | 21         | 0.47       |               | 0.1          | 0.1        | 1.7           |           | 1.7        | 1.5          |
| H42   | 2030       | 22            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2030  | 22         | 0.46       |               | 0.1          | 0.1        | 1.6           |           | 1.6        | 1.5          |
| H43   | 2031       | 23            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2031  | 23         | 0.44       |               | 0.1          | 0.1        | 1.5           |           | 1.5        | 1.4          |
| H44   | 2032       | 24            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2032  | 24         | 0.42       |               | 0.1          | 0.1        | 1.5           |           | 1.5        | 1.4          |
| H45   | 2033       | 25            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2033  | 25         | 0.41       |               | 0.1          | 0.1        | 1.4           |           | 1.4        | 1.3          |
| H46   | 2034       | 26            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2034  | 26         | 0.39       |               | 0.1          | 0.1        | 1.4           |           | 1.4        | 1.3          |
| H47   | 2035       | 27            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2035  | 27         | 0.38       |               | 0.1          | 0.1        | 1.3           |           | 1.3        | 1.2          |
| H48   | 2036       | 28            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2036  | 28         | 0.36       |               | 0.1          | 0.1        | 1.3           |           | 1.3        | 1.2          |
| H49   | 2037       | 29            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2037  | 29         | 0.35       |               | 0.1          | 0.1        | 1.2           |           | 1.2        | 1.1          |
| H50   | 2038       | 30            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2038  | 30         | 0.33       |               | 0.1          | 0.1        | 1.2           |           | 1.2        | 1.1          |
| H51   | 2039       | 31            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2039  | 31         | 0.32       |               | 0.1          | 0.1        | 1.1           |           | 1.1        | 1.0          |
| H52   | 2040       | 32            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2040  | 32         | 0.31       |               | 0.1          | 0.1        | 1.1           |           | 1.1        | 1.0          |
| H53   | 2041       | 33            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2041  | 33         | 0.30       |               | 0.1          | 0.1        | 1.0           |           | 1.0        | 1.0          |
| H54   | 2042       | 34            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2042  | 34         | 0.29       |               | 0.1          | 0.1        | 1.0           |           | 1.0        | 0.9          |
| H55   | 2043       | 35            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2043  | 35         | 0.27       |               | 0.1          | 0.1        | 1.0           |           | 1.0        | 0.9          |
| H56   | 2044       | 36            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2044  | 36         | 0.26       |               | 0.1          | 0.1        | 0.9           |           | 0.9        | 0.8          |
| H57   | 2045       | 37            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2045  | 37         | 0.25       |               | 0.1          | 0.1        | 0.9           |           | 0.9        | 0.8          |
| H58   | 2046       | 38            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2046  | 38         | 0.24       |               | 0.1          | 0.1        | 0.9           |           | 0.9        | 0.8          |
| H59   | 2047       | 39            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2047  | 39         | 0.23       |               | 0.1          | 0.1        | 0.8           |           | 0.8        | 0.8          |
| H60   | 2048       | 40            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2048  | 40         | 0.23       |               | 0.1          | 0.1        | 0.8           |           | 0.8        | 0.7          |
| H61   | 2049       | 41            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2049  | 41         | 0.22       |               | 0.1          | 0.1        | 0.8           |           | 0.8        | 0.7          |
| H62   | 2050       | 42            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2050  | 42         | 0.21       |               | 0.1          | 0.1        | 0.7           |           | 0.7        | 0.7          |
| H63   | 2051       | 43            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2051  | 43         | 0.20       |               | 0.1          | 0.1        | 0.7           |           | 0.7        | 0.6          |
| H64   | 2052       | 44            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2052  | 44         | 0.19       |               | 0.1          | 0.1        | 0.7           |           | 0.7        | 0.6          |
| H65   | 2053       | 45            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2053  | 45         | 0.19       |               | 0.1          | 0.1        | 0.6           |           | 0.6        | 0.6          |
| H66   | 2054       | 46            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2054  | 46         | 0.18       |               | 0.1          | 0.1        | 0.6           |           | 0.6        | 0.6          |
| H67   | 2055       | 47            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2055  | 47         | 0.17       |               | 0.0          | 0.0        | 0.6           |           | 0.6        | 0.5          |
| H68   | 2056       | 48            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2056  | 48         | 0.16       |               | 0.0          | 0.0        | 0.6           |           | 0.6        | 0.5          |
| H69   | 2057       | 49            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2057  | 49         | 0.16       |               | 0.0          | 0.0        | 0.6           |           | 0.6        | 0.5          |
| H70   | 2058       | 50            |              | 0.3        | 0.3           |           | 3.5        | 3.2          |  | 2058  | 50         | 0.15       |               | 0.0          | 0.0        | 0.5           |           | 0.5        | 0.5          |
| 合 計   |            | 12.3          | 13.8         | 26.2       | 164.0         |           | 164.0      | 137.8        |  | 合 計   |            |            | 12.2          | 6.3          | 18.5       | 70.6          |           | 70.6       | 52.1         |

茨城港常陸那珂港区中央ふ頭地区 複合一貫輸送ターミナル整備事業【残事業】需要+10%  
費用便益分析シート(割引前) 費用便益分析シート(割引後)

|       |       |      |       |
|-------|-------|------|-------|
| EIRR= | 25.6% | NPV= | 68 億円 |
| B/C=  | 4.7   |      |       |

| (億円)  |            |               |              |            |               |           |            |              |  | (億円)  |            |            |               |              |            |               |           |            |              |
|-------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|--|-------|------------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|
| 割 引 前 |            |               |              |            |               |           |            |              |  | 割 引 後 |            |            |               |              |            |               |           |            |              |
| 年度    | 施設供<br>用期間 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |  | 年度    | 施設供<br>用期間 | 社会的<br>割引率 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |
| H16   | 2004       |               |              |            |               |           |            |              |  | 2004  |            | 1.27       |               |              |            |               |           |            |              |
| H17   | 2005       |               |              |            |               |           |            |              |  | 2005  |            | 1.22       |               |              |            |               |           |            |              |
| H18   | 2006       |               |              |            |               |           |            |              |  | 2006  |            | 1.17       |               |              |            |               |           |            |              |
| H19   | 2007       |               |              |            |               |           |            |              |  | 2007  |            | 1.12       |               |              |            |               |           |            |              |
| H20   | 2008       |               |              |            |               |           |            |              |  | 2008  |            | 1.08       |               |              |            |               |           |            |              |
| H21   | 2009       | 1             |              |            |               |           |            |              |  | 2009  | 1          | 1.04       |               |              |            |               |           |            |              |
| H22   | 2010       | 2             | 10.0         | 0.3        | 10.3          |           |            | -10.3        |  | 2010  | 2          | 1.00       | 10.0          | 0.3          | 10.3       |               |           |            | -10.3        |
| H23   | 2011       | 3             | 2.3          | 0.3        | 2.6           |           |            | -2.6         |  | 2011  | 3          | 0.96       | 2.2           | 0.3          | 2.5        |               |           |            | -2.5         |
| H24   | 2012       | 4             |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2012  | 4          | 0.92       |               | 0.3          | 0.3        | 3.9           | 3.9       | 3.7        |              |
| H25   | 2013       | 5             |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2013  | 5          | 0.89       |               | 0.3          | 0.3        | 3.8           | 3.8       | 3.5        |              |
| H26   | 2014       | 6             |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2014  | 6          | 0.85       |               | 0.2          | 0.2        | 3.6           | 3.6       | 3.4        |              |
| H27   | 2015       | 7             |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2015  | 7          | 0.82       |               | 0.2          | 0.2        | 3.5           | 3.5       | 3.3        |              |
| H28   | 2016       | 8             |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2016  | 8          | 0.79       |               | 0.2          | 0.2        | 3.4           | 3.4       | 3.1        |              |
| H29   | 2017       | 9             |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2017  | 9          | 0.76       |               | 0.2          | 0.2        | 3.2           | 3.2       | 3.0        |              |
| H30   | 2018       | 10            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2018  | 10         | 0.73       |               | 0.2          | 0.2        | 3.1           | 3.1       | 2.9        |              |
| H31   | 2019       | 11            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2019  | 11         | 0.70       |               | 0.2          | 0.2        | 3.0           | 3.0       | 2.8        |              |
| H32   | 2020       | 12            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2020  | 12         | 0.68       |               | 0.2          | 0.2        | 2.9           | 2.9       | 2.7        |              |
| H33   | 2021       | 13            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2021  | 13         | 0.65       |               | 0.2          | 0.2        | 2.8           | 2.8       | 2.6        |              |
| H34   | 2022       | 14            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2022  | 14         | 0.62       |               | 0.2          | 0.2        | 2.7           | 2.7       | 2.5        |              |
| H35   | 2023       | 15            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2023  | 15         | 0.60       |               | 0.2          | 0.2        | 2.6           | 2.6       | 2.4        |              |
| H36   | 2024       | 16            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2024  | 16         | 0.58       |               | 0.2          | 0.2        | 2.5           | 2.5       | 2.3        |              |
| H37   | 2025       | 17            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2025  | 17         | 0.56       |               | 0.2          | 0.2        | 2.4           | 2.4       | 2.2        |              |
| H38   | 2026       | 18            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2026  | 18         | 0.53       |               | 0.2          | 0.2        | 2.3           | 2.3       | 2.1        |              |
| H39   | 2027       | 19            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2027  | 19         | 0.51       |               | 0.1          | 0.1        | 2.2           | 2.2       | 2.0        |              |
| H40   | 2028       | 20            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2028  | 20         | 0.49       |               | 0.1          | 0.1        | 2.1           | 2.1       | 2.0        |              |
| H41   | 2029       | 21            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2029  | 21         | 0.47       |               | 0.1          | 0.1        | 2.0           | 2.0       | 1.9        |              |
| H42   | 2030       | 22            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2030  | 22         | 0.46       |               | 0.1          | 0.1        | 1.9           | 1.9       | 1.8        |              |
| H43   | 2031       | 23            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2031  | 23         | 0.44       |               | 0.1          | 0.1        | 1.9           | 1.9       | 1.7        |              |
| H44   | 2032       | 24            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2032  | 24         | 0.42       |               | 0.1          | 0.1        | 1.8           | 1.8       | 1.7        |              |
| H45   | 2033       | 25            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2033  | 25         | 0.41       |               | 0.1          | 0.1        | 1.7           | 1.7       | 1.6        |              |
| H46   | 2034       | 26            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2034  | 26         | 0.39       |               | 0.1          | 0.1        | 1.7           | 1.7       | 1.6        |              |
| H47   | 2035       | 27            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2035  | 27         | 0.38       |               | 0.1          | 0.1        | 1.6           | 1.6       | 1.5        |              |
| H48   | 2036       | 28            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2036  | 28         | 0.36       |               | 0.1          | 0.1        | 1.5           | 1.5       | 1.4        |              |
| H49   | 2037       | 29            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2037  | 29         | 0.35       |               | 0.1          | 0.1        | 1.5           | 1.5       | 1.4        |              |
| H50   | 2038       | 30            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2038  | 30         | 0.33       |               | 0.1          | 0.1        | 1.4           | 1.4       | 1.3        |              |
| H51   | 2039       | 31            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2039  | 31         | 0.32       |               | 0.1          | 0.1        | 1.4           | 1.4       | 1.3        |              |
| H52   | 2040       | 32            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2040  | 32         | 0.31       |               | 0.1          | 0.1        | 1.3           | 1.3       | 1.2        |              |
| H53   | 2041       | 33            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2041  | 33         | 0.30       |               | 0.1          | 0.1        | 1.3           | 1.3       | 1.2        |              |
| H54   | 2042       | 34            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2042  | 34         | 0.29       |               | 0.1          | 0.1        | 1.2           | 1.2       | 1.1        |              |
| H55   | 2043       | 35            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2043  | 35         | 0.27       |               | 0.1          | 0.1        | 1.2           | 1.2       | 1.1        |              |
| H56   | 2044       | 36            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2044  | 36         | 0.26       |               | 0.1          | 0.1        | 1.1           | 1.1       | 1.0        |              |
| H57   | 2045       | 37            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2045  | 37         | 0.25       |               | 0.1          | 0.1        | 1.1           | 1.1       | 1.0        |              |
| H58   | 2046       | 38            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2046  | 38         | 0.24       |               | 0.1          | 0.1        | 1.0           | 1.0       | 1.0        |              |
| H59   | 2047       | 39            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2047  | 39         | 0.23       |               | 0.1          | 0.1        | 1.0           | 1.0       | 0.9        |              |
| H60   | 2048       | 40            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2048  | 40         | 0.23       |               | 0.1          | 0.1        | 1.0           | 1.0       | 0.9        |              |
| H61   | 2049       | 41            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2049  | 41         | 0.22       |               | 0.1          | 0.1        | 0.9           | 0.9       | 0.9        |              |
| H62   | 2050       | 42            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2050  | 42         | 0.21       |               | 0.1          | 0.1        | 0.9           | 0.9       | 0.8        |              |
| H63   | 2051       | 43            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2051  | 43         | 0.20       |               | 0.1          | 0.1        | 0.9           | 0.9       | 0.8        |              |
| H64   | 2052       | 44            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2052  | 44         | 0.19       |               | 0.1          | 0.1        | 0.8           | 0.8       | 0.8        |              |
| H65   | 2053       | 45            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2053  | 45         | 0.19       |               | 0.1          | 0.1        | 0.8           | 0.8       | 0.7        |              |
| H66   | 2054       | 46            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2054  | 46         | 0.18       |               | 0.1          | 0.1        | 0.8           | 0.8       | 0.7        |              |
| H67   | 2055       | 47            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2055  | 47         | 0.17       |               | 0.0          | 0.0        | 0.7           | 0.7       | 0.7        |              |
| H68   | 2056       | 48            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2056  | 48         | 0.16       |               | 0.0          | 0.0        | 0.7           | 0.7       | 0.7        |              |
| H69   | 2057       | 49            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2057  | 49         | 0.16       |               | 0.0          | 0.0        | 0.7           | 0.7       | 0.6        |              |
| H70   | 2058       | 50            |              | 0.3        | 0.3           | 4.3       | 4.3        | 4.0          |  | 2058  | 50         | 0.15       |               | 0.0          | 0.0        | 0.6           | 0.6       | 0.6        |              |
| 合 計   |            | 12.3          | 13.8         | 26.2       | 200.4         |           | 200.4      | 174.3        |  | 合 計   |            |            | 12.2          | 6.3          | 18.5       | 86.3          |           | 86.3       | 67.8         |

茨城港常陸那珂港区中央ふ頭地区 複合一貫輸送ターミナル整備事業【残事業】建設費-10%  
費用便益分析シート(割引前) 費用便益分析シート(割引後)

|       |       |      |       |
|-------|-------|------|-------|
| EIRR= | 25.6% | NPV= | 61 億円 |
| B/C=  | 4.5   |      |       |

| (億円)  |            |               |              |            |               |           |            |              |  | (億円)  |            |            |               |              |            |               |           |            |              |
|-------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|--|-------|------------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|
| 割 引 前 |            |               |              |            |               |           |            |              |  | 割 引 後 |            |            |               |              |            |               |           |            |              |
| 年度    | 施設供<br>用期間 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |  | 年度    | 施設供<br>用期間 | 社会的<br>割引率 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |
| H16   | 2004       |               |              |            |               |           |            |              |  | 2004  |            | 1.27       |               |              |            |               |           |            |              |
| H17   | 2005       |               |              |            |               |           |            |              |  | 2005  |            | 1.22       |               |              |            |               |           |            |              |
| H18   | 2006       |               |              |            |               |           |            |              |  | 2006  |            | 1.17       |               |              |            |               |           |            |              |
| H19   | 2007       |               |              |            |               |           |            |              |  | 2007  |            | 1.12       |               |              |            |               |           |            |              |
| H20   | 2008       |               |              |            |               |           |            |              |  | 2008  |            | 1.08       |               |              |            |               |           |            |              |
| H21   | 2009       | 1             |              |            |               |           |            |              |  | 2009  | 1          | 1.04       |               |              |            |               |           |            |              |
| H22   | 2010       | 2             | 9.0          | 0.3        | 9.3           |           | -9.3       |              |  | 2010  | 2          | 1.00       | 9.0           | 0.3          | 9.3        |               |           | -9.3       |              |
| H23   | 2011       | 3             | 2.1          | 0.3        | 2.4           |           | -2.4       |              |  | 2011  | 3          | 0.96       | 2.0           | 0.3          | 2.3        |               |           | -2.3       |              |
| H24   | 2012       | 4             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2012  | 4          | 0.92       |               | 0.3          | 0.3        | 3.6           |           | 3.6        | 3.3          |
| H25   | 2013       | 5             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2013  | 5          | 0.89       |               | 0.3          | 0.3        | 3.4           |           | 3.4        | 3.2          |
| H26   | 2014       | 6             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2014  | 6          | 0.85       |               | 0.2          | 0.2        | 3.3           |           | 3.3        | 3.1          |
| H27   | 2015       | 7             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2015  | 7          | 0.82       |               | 0.2          | 0.2        | 3.2           |           | 3.2        | 3.0          |
| H28   | 2016       | 8             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2016  | 8          | 0.79       |               | 0.2          | 0.2        | 3.1           |           | 3.1        | 2.8          |
| H29   | 2017       | 9             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2017  | 9          | 0.76       |               | 0.2          | 0.2        | 2.9           |           | 2.9        | 2.7          |
| H30   | 2018       | 10            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2018  | 10         | 0.73       |               | 0.2          | 0.2        | 2.8           |           | 2.8        | 2.6          |
| H31   | 2019       | 11            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2019  | 11         | 0.70       |               | 0.2          | 0.2        | 2.7           |           | 2.7        | 2.5          |
| H32   | 2020       | 12            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2020  | 12         | 0.68       |               | 0.2          | 0.2        | 2.6           |           | 2.6        | 2.4          |
| H33   | 2021       | 13            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2021  | 13         | 0.65       |               | 0.2          | 0.2        | 2.5           |           | 2.5        | 2.3          |
| H34   | 2022       | 14            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2022  | 14         | 0.62       |               | 0.2          | 0.2        | 2.4           |           | 2.4        | 2.2          |
| H35   | 2023       | 15            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2023  | 15         | 0.60       |               | 0.2          | 0.2        | 2.3           |           | 2.3        | 2.2          |
| H36   | 2024       | 16            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2024  | 16         | 0.58       |               | 0.2          | 0.2        | 2.2           |           | 2.2        | 2.1          |
| H37   | 2025       | 17            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2025  | 17         | 0.56       |               | 0.2          | 0.2        | 2.2           |           | 2.2        | 2.0          |
| H38   | 2026       | 18            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2026  | 18         | 0.53       |               | 0.2          | 0.2        | 2.1           |           | 2.1        | 1.9          |
| H39   | 2027       | 19            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2027  | 19         | 0.51       |               | 0.1          | 0.1        | 2.0           |           | 2.0        | 1.8          |
| H40   | 2028       | 20            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2028  | 20         | 0.49       |               | 0.1          | 0.1        | 1.9           |           | 1.9        | 1.8          |
| H41   | 2029       | 21            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2029  | 21         | 0.47       |               | 0.1          | 0.1        | 1.8           |           | 1.8        | 1.7          |
| H42   | 2030       | 22            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2030  | 22         | 0.46       |               | 0.1          | 0.1        | 1.8           |           | 1.8        | 1.6          |
| H43   | 2031       | 23            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2031  | 23         | 0.44       |               | 0.1          | 0.1        | 1.7           |           | 1.7        | 1.6          |
| H44   | 2032       | 24            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2032  | 24         | 0.42       |               | 0.1          | 0.1        | 1.6           |           | 1.6        | 1.5          |
| H45   | 2033       | 25            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2033  | 25         | 0.41       |               | 0.1          | 0.1        | 1.6           |           | 1.6        | 1.5          |
| H46   | 2034       | 26            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2034  | 26         | 0.39       |               | 0.1          | 0.1        | 1.5           |           | 1.5        | 1.4          |
| H47   | 2035       | 27            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2035  | 27         | 0.38       |               | 0.1          | 0.1        | 1.5           |           | 1.5        | 1.3          |
| H48   | 2036       | 28            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2036  | 28         | 0.36       |               | 0.1          | 0.1        | 1.4           |           | 1.4        | 1.3          |
| H49   | 2037       | 29            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2037  | 29         | 0.35       |               | 0.1          | 0.1        | 1.3           |           | 1.3        | 1.2          |
| H50   | 2038       | 30            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2038  | 30         | 0.33       |               | 0.1          | 0.1        | 1.3           |           | 1.3        | 1.2          |
| H51   | 2039       | 31            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2039  | 31         | 0.32       |               | 0.1          | 0.1        | 1.2           |           | 1.2        | 1.2          |
| H52   | 2040       | 32            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2040  | 32         | 0.31       |               | 0.1          | 0.1        | 1.2           |           | 1.2        | 1.1          |
| H53   | 2041       | 33            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2041  | 33         | 0.30       |               | 0.1          | 0.1        | 1.1           |           | 1.1        | 1.1          |
| H54   | 2042       | 34            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2042  | 34         | 0.29       |               | 0.1          | 0.1        | 1.1           |           | 1.1        | 1.0          |
| H55   | 2043       | 35            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2043  | 35         | 0.27       |               | 0.1          | 0.1        | 1.1           |           | 1.1        | 1.0          |
| H56   | 2044       | 36            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2044  | 36         | 0.26       |               | 0.1          | 0.1        | 1.0           |           | 1.0        | 0.9          |
| H57   | 2045       | 37            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2045  | 37         | 0.25       |               | 0.1          | 0.1        | 1.0           |           | 1.0        | 0.9          |
| H58   | 2046       | 38            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2046  | 38         | 0.24       |               | 0.1          | 0.1        | 0.9           |           | 0.9        | 0.9          |
| H59   | 2047       | 39            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2047  | 39         | 0.23       |               | 0.1          | 0.1        | 0.9           |           | 0.9        | 0.8          |
| H60   | 2048       | 40            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2048  | 40         | 0.23       |               | 0.1          | 0.1        | 0.9           |           | 0.9        | 0.8          |
| H61   | 2049       | 41            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2049  | 41         | 0.22       |               | 0.1          | 0.1        | 0.8           |           | 0.8        | 0.8          |
| H62   | 2050       | 42            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2050  | 42         | 0.21       |               | 0.1          | 0.1        | 0.8           |           | 0.8        | 0.7          |
| H63   | 2051       | 43            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2051  | 43         | 0.20       |               | 0.1          | 0.1        | 0.8           |           | 0.8        | 0.7          |
| H64   | 2052       | 44            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2052  | 44         | 0.19       |               | 0.1          | 0.1        | 0.7           |           | 0.7        | 0.7          |
| H65   | 2053       | 45            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2053  | 45         | 0.19       |               | 0.1          | 0.1        | 0.7           |           | 0.7        | 0.7          |
| H66   | 2054       | 46            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2054  | 46         | 0.18       |               | 0.1          | 0.1        | 0.7           |           | 0.7        | 0.6          |
| H67   | 2055       | 47            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2055  | 47         | 0.17       |               | 0.0          | 0.0        | 0.7           |           | 0.7        | 0.6          |
| H68   | 2056       | 48            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2056  | 48         | 0.16       |               | 0.0          | 0.0        | 0.6           |           | 0.6        | 0.6          |
| H69   | 2057       | 49            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2057  | 49         | 0.16       |               | 0.0          | 0.0        | 0.6           |           | 0.6        | 0.6          |
| H70   | 2058       | 50            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2058  | 50         | 0.15       |               | 0.0          | 0.0        | 0.6           |           | 0.6        | 0.5          |
| 合 計   |            | 11.1          | 13.8         | 24.9       | 182.2         |           | 182.2      | 157.3        |  | 合 計   |            |            | 11.0          | 6.3          | 17.3       | 78.4          |           | 78.4       | 61.2         |

茨城港常陸那珂港区中央ふ頭地区 複合一貫輸送ターミナル整備事業【残事業】建設費+10%  
費用便益分析シート(割引前) 費用便益分析シート(割引後)

|       |       |      |       |
|-------|-------|------|-------|
| EIRR= | 21.7% | NPV= | 59 億円 |
| B/C=  | 4.0   |      |       |

| (億円)  |            |               |              |            |               |           |            |              |  | (億円)  |            |            |               |              |            |               |           |            |              |
|-------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|--|-------|------------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|
| 割 引 前 |            |               |              |            |               |           |            |              |  | 割 引 後 |            |            |               |              |            |               |           |            |              |
| 年度    | 施設供<br>用期間 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |  | 年度    | 施設供<br>用期間 | 社会的<br>割引率 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |
| H16   | 2004       |               |              |            |               |           |            |              |  | 2004  |            | 1.27       |               |              |            |               |           |            |              |
| H17   | 2005       |               |              |            |               |           |            |              |  | 2005  |            | 1.22       |               |              |            |               |           |            |              |
| H18   | 2006       |               |              |            |               |           |            |              |  | 2006  |            | 1.17       |               |              |            |               |           |            |              |
| H19   | 2007       |               |              |            |               |           |            |              |  | 2007  |            | 1.12       |               |              |            |               |           |            |              |
| H20   | 2008       |               |              |            |               |           |            |              |  | 2008  |            | 1.08       |               |              |            |               |           |            |              |
| H21   | 2009       | 1             |              |            |               |           |            |              |  | 2009  | 1          | 1.04       |               |              |            |               |           |            |              |
| H22   | 2010       | 2             | 11.0         | 0.3        | 11.3          |           |            | -11.3        |  | 2010  | 2          | 1.00       | 11.0          | 0.3          | 11.3       |               |           |            | -11.3        |
| H23   | 2011       | 3             | 2.6          | 0.3        | 2.8           |           |            | -2.8         |  | 2011  | 3          | 0.96       | 2.5           | 0.3          | 2.7        |               |           |            | -2.7         |
| H24   | 2012       | 4             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2012  | 4          | 0.92       |               | 0.3          | 0.3        | 3.6           |           | 3.6        | 3.3          |
| H25   | 2013       | 5             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2013  | 5          | 0.89       |               | 0.3          | 0.3        | 3.4           |           | 3.4        | 3.2          |
| H26   | 2014       | 6             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2014  | 6          | 0.85       |               | 0.2          | 0.2        | 3.3           |           | 3.3        | 3.1          |
| H27   | 2015       | 7             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2015  | 7          | 0.82       |               | 0.2          | 0.2        | 3.2           |           | 3.2        | 3.0          |
| H28   | 2016       | 8             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2016  | 8          | 0.79       |               | 0.2          | 0.2        | 3.1           |           | 3.1        | 2.8          |
| H29   | 2017       | 9             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2017  | 9          | 0.76       |               | 0.2          | 0.2        | 2.9           |           | 2.9        | 2.7          |
| H30   | 2018       | 10            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2018  | 10         | 0.73       |               | 0.2          | 0.2        | 2.8           |           | 2.8        | 2.6          |
| H31   | 2019       | 11            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2019  | 11         | 0.70       |               | 0.2          | 0.2        | 2.7           |           | 2.7        | 2.5          |
| H32   | 2020       | 12            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2020  | 12         | 0.68       |               | 0.2          | 0.2        | 2.6           |           | 2.6        | 2.4          |
| H33   | 2021       | 13            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2021  | 13         | 0.65       |               | 0.2          | 0.2        | 2.5           |           | 2.5        | 2.3          |
| H34   | 2022       | 14            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2022  | 14         | 0.62       |               | 0.2          | 0.2        | 2.4           |           | 2.4        | 2.2          |
| H35   | 2023       | 15            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2023  | 15         | 0.60       |               | 0.2          | 0.2        | 2.3           |           | 2.3        | 2.2          |
| H36   | 2024       | 16            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2024  | 16         | 0.58       |               | 0.2          | 0.2        | 2.2           |           | 2.2        | 2.1          |
| H37   | 2025       | 17            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2025  | 17         | 0.56       |               | 0.2          | 0.2        | 2.2           |           | 2.2        | 2.0          |
| H38   | 2026       | 18            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2026  | 18         | 0.53       |               | 0.2          | 0.2        | 2.1           |           | 2.1        | 1.9          |
| H39   | 2027       | 19            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2027  | 19         | 0.51       |               | 0.1          | 0.1        | 2.0           |           | 2.0        | 1.8          |
| H40   | 2028       | 20            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2028  | 20         | 0.49       |               | 0.1          | 0.1        | 1.9           |           | 1.9        | 1.8          |
| H41   | 2029       | 21            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2029  | 21         | 0.47       |               | 0.1          | 0.1        | 1.8           |           | 1.8        | 1.7          |
| H42   | 2030       | 22            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2030  | 22         | 0.46       |               | 0.1          | 0.1        | 1.8           |           | 1.8        | 1.6          |
| H43   | 2031       | 23            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2031  | 23         | 0.44       |               | 0.1          | 0.1        | 1.7           |           | 1.7        | 1.6          |
| H44   | 2032       | 24            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2032  | 24         | 0.42       |               | 0.1          | 0.1        | 1.6           |           | 1.6        | 1.5          |
| H45   | 2033       | 25            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2033  | 25         | 0.41       |               | 0.1          | 0.1        | 1.6           |           | 1.6        | 1.5          |
| H46   | 2034       | 26            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2034  | 26         | 0.39       |               | 0.1          | 0.1        | 1.5           |           | 1.5        | 1.4          |
| H47   | 2035       | 27            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2035  | 27         | 0.38       |               | 0.1          | 0.1        | 1.5           |           | 1.5        | 1.3          |
| H48   | 2036       | 28            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2036  | 28         | 0.36       |               | 0.1          | 0.1        | 1.4           |           | 1.4        | 1.3          |
| H49   | 2037       | 29            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2037  | 29         | 0.35       |               | 0.1          | 0.1        | 1.3           |           | 1.3        | 1.2          |
| H50   | 2038       | 30            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2038  | 30         | 0.33       |               | 0.1          | 0.1        | 1.3           |           | 1.3        | 1.2          |
| H51   | 2039       | 31            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2039  | 31         | 0.32       |               | 0.1          | 0.1        | 1.2           |           | 1.2        | 1.2          |
| H52   | 2040       | 32            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2040  | 32         | 0.31       |               | 0.1          | 0.1        | 1.2           |           | 1.2        | 1.1          |
| H53   | 2041       | 33            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2041  | 33         | 0.30       |               | 0.1          | 0.1        | 1.1           |           | 1.1        | 1.1          |
| H54   | 2042       | 34            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2042  | 34         | 0.29       |               | 0.1          | 0.1        | 1.1           |           | 1.1        | 1.0          |
| H55   | 2043       | 35            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2043  | 35         | 0.27       |               | 0.1          | 0.1        | 1.1           |           | 1.1        | 1.0          |
| H56   | 2044       | 36            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2044  | 36         | 0.26       |               | 0.1          | 0.1        | 1.0           |           | 1.0        | 0.9          |
| H57   | 2045       | 37            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2045  | 37         | 0.25       |               | 0.1          | 0.1        | 1.0           |           | 1.0        | 0.9          |
| H58   | 2046       | 38            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2046  | 38         | 0.24       |               | 0.1          | 0.1        | 0.9           |           | 0.9        | 0.9          |
| H59   | 2047       | 39            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2047  | 39         | 0.23       |               | 0.1          | 0.1        | 0.9           |           | 0.9        | 0.8          |
| H60   | 2048       | 40            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2048  | 40         | 0.23       |               | 0.1          | 0.1        | 0.9           |           | 0.9        | 0.8          |
| H61   | 2049       | 41            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2049  | 41         | 0.22       |               | 0.1          | 0.1        | 0.8           |           | 0.8        | 0.8          |
| H62   | 2050       | 42            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2050  | 42         | 0.21       |               | 0.1          | 0.1        | 0.8           |           | 0.8        | 0.7          |
| H63   | 2051       | 43            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2051  | 43         | 0.20       |               | 0.1          | 0.1        | 0.8           |           | 0.8        | 0.7          |
| H64   | 2052       | 44            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2052  | 44         | 0.19       |               | 0.1          | 0.1        | 0.7           |           | 0.7        | 0.7          |
| H65   | 2053       | 45            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2053  | 45         | 0.19       |               | 0.1          | 0.1        | 0.7           |           | 0.7        | 0.7          |
| H66   | 2054       | 46            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2054  | 46         | 0.18       |               | 0.1          | 0.1        | 0.7           |           | 0.7        | 0.6          |
| H67   | 2055       | 47            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2055  | 47         | 0.17       |               | 0.0          | 0.0        | 0.7           |           | 0.7        | 0.6          |
| H68   | 2056       | 48            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2056  | 48         | 0.16       |               | 0.0          | 0.0        | 0.6           |           | 0.6        | 0.6          |
| H69   | 2057       | 49            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2057  | 49         | 0.16       |               | 0.0          | 0.0        | 0.6           |           | 0.6        | 0.6          |
| H70   | 2058       | 50            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2058  | 50         | 0.15       |               | 0.0          | 0.0        | 0.6           |           | 0.6        | 0.5          |
| 合 計   |            | 13.6          | 13.8         | 27.4       | 182.2         |           | 182.2      | 154.8        |  | 合 計   |            |            | 13.5          | 6.3          | 19.7       | 78.4          |           | 78.4       | 58.7         |

茨城港常陸那珂港区中央ふ頭地区 複合一貫輸送ターミナル整備事業【残事業】建設期間-10%  
費用便益分析シート(割引前)

費用便益分析シート(割引後)

|       |       |      |       |
|-------|-------|------|-------|
| EIRR= | 28.5% | NPV= | 64 億円 |
| B/C=  | 4.4   |      |       |

| (億円)  |            |               |              |            |               |           |            |              |  | (億円)  |            |            |               |              |            |               |           |            |              |
|-------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|--|-------|------------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|
| 割 引 前 |            |               |              |            |               |           |            |              |  | 割 引 後 |            |            |               |              |            |               |           |            |              |
| 年度    | 施設供<br>用期間 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |  | 年度    | 施設供<br>用期間 | 社会的<br>割引率 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |
| H16   | 2004       |               |              |            |               |           |            |              |  | 2004  |            | 1.27       |               |              |            |               |           |            |              |
| H17   | 2005       |               |              |            |               |           |            |              |  | 2005  |            | 1.22       |               |              |            |               |           |            |              |
| H18   | 2006       |               |              |            |               |           |            |              |  | 2006  |            | 1.17       |               |              |            |               |           |            |              |
| H19   | 2007       |               |              |            |               |           |            |              |  | 2007  |            | 1.12       |               |              |            |               |           |            |              |
| H20   | 2008       |               |              |            |               |           |            |              |  | 2008  |            | 1.08       |               |              |            |               |           |            |              |
| H21   | 2009       | 1             |              |            |               |           |            |              |  | 2009  | 1          | 1.04       |               |              |            |               |           |            |              |
| H22   | 2010       | 2             | 12.3         | 0.3        | 12.6          |           |            | -12.6        |  | 2010  | 2          | 1.00       | 12.3          | 0.3          | 12.6       |               |           |            | -12.6        |
| H23   | 2011       | 3             |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2011  | 3          | 0.96       |               | 0.3          | 3.7        |               | 3.7       | 3.5        |              |
| H24   | 2012       | 4             |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2012  | 4          | 0.92       |               | 0.3          | 3.6        |               | 3.6       | 3.3        |              |
| H25   | 2013       | 5             |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2013  | 5          | 0.89       |               | 0.3          | 3.4        |               | 3.4       | 3.2        |              |
| H26   | 2014       | 6             |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2014  | 6          | 0.85       |               | 0.2          | 3.3        |               | 3.3       | 3.1        |              |
| H27   | 2015       | 7             |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2015  | 7          | 0.82       |               | 0.2          | 3.2        |               | 3.2       | 3.0        |              |
| H28   | 2016       | 8             |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2016  | 8          | 0.79       |               | 0.2          | 3.1        |               | 3.1       | 2.8        |              |
| H29   | 2017       | 9             |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2017  | 9          | 0.76       |               | 0.2          | 2.9        |               | 2.9       | 2.7        |              |
| H30   | 2018       | 10            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2018  | 10         | 0.73       |               | 0.2          | 2.8        |               | 2.8       | 2.6        |              |
| H31   | 2019       | 11            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2019  | 11         | 0.70       |               | 0.2          | 2.7        |               | 2.7       | 2.5        |              |
| H32   | 2020       | 12            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2020  | 12         | 0.68       |               | 0.2          | 2.6        |               | 2.6       | 2.4        |              |
| H33   | 2021       | 13            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2021  | 13         | 0.65       |               | 0.2          | 2.5        |               | 2.5       | 2.3        |              |
| H34   | 2022       | 14            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2022  | 14         | 0.62       |               | 0.2          | 2.4        |               | 2.4       | 2.2        |              |
| H35   | 2023       | 15            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2023  | 15         | 0.60       |               | 0.2          | 2.3        |               | 2.3       | 2.2        |              |
| H36   | 2024       | 16            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2024  | 16         | 0.58       |               | 0.2          | 2.2        |               | 2.2       | 2.1        |              |
| H37   | 2025       | 17            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2025  | 17         | 0.56       |               | 0.2          | 2.2        |               | 2.2       | 2.0        |              |
| H38   | 2026       | 18            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2026  | 18         | 0.53       |               | 0.2          | 2.1        |               | 2.1       | 1.9        |              |
| H39   | 2027       | 19            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2027  | 19         | 0.51       |               | 0.1          | 2.0        |               | 2.0       | 1.8        |              |
| H40   | 2028       | 20            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2028  | 20         | 0.49       |               | 0.1          | 1.9        |               | 1.9       | 1.8        |              |
| H41   | 2029       | 21            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2029  | 21         | 0.47       |               | 0.1          | 1.8        |               | 1.8       | 1.7        |              |
| H42   | 2030       | 22            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2030  | 22         | 0.46       |               | 0.1          | 1.8        |               | 1.8       | 1.6        |              |
| H43   | 2031       | 23            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2031  | 23         | 0.44       |               | 0.1          | 1.7        |               | 1.7       | 1.6        |              |
| H44   | 2032       | 24            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2032  | 24         | 0.42       |               | 0.1          | 1.6        |               | 1.6       | 1.5        |              |
| H45   | 2033       | 25            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2033  | 25         | 0.41       |               | 0.1          | 1.6        |               | 1.6       | 1.5        |              |
| H46   | 2034       | 26            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2034  | 26         | 0.39       |               | 0.1          | 1.5        |               | 1.5       | 1.4        |              |
| H47   | 2035       | 27            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2035  | 27         | 0.38       |               | 0.1          | 1.5        |               | 1.5       | 1.3        |              |
| H48   | 2036       | 28            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2036  | 28         | 0.36       |               | 0.1          | 1.4        |               | 1.4       | 1.3        |              |
| H49   | 2037       | 29            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2037  | 29         | 0.35       |               | 0.1          | 1.3        |               | 1.3       | 1.2        |              |
| H50   | 2038       | 30            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2038  | 30         | 0.33       |               | 0.1          | 1.3        |               | 1.3       | 1.2        |              |
| H51   | 2039       | 31            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2039  | 31         | 0.32       |               | 0.1          | 1.2        |               | 1.2       | 1.2        |              |
| H52   | 2040       | 32            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2040  | 32         | 0.31       |               | 0.1          | 1.2        |               | 1.2       | 1.1        |              |
| H53   | 2041       | 33            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2041  | 33         | 0.30       |               | 0.1          | 1.1        |               | 1.1       | 1.1        |              |
| H54   | 2042       | 34            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2042  | 34         | 0.29       |               | 0.1          | 1.1        |               | 1.1       | 1.0        |              |
| H55   | 2043       | 35            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2043  | 35         | 0.27       |               | 0.1          | 1.1        |               | 1.1       | 1.0        |              |
| H56   | 2044       | 36            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2044  | 36         | 0.26       |               | 0.1          | 1.0        |               | 1.0       | 0.9        |              |
| H57   | 2045       | 37            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2045  | 37         | 0.25       |               | 0.1          | 1.0        |               | 1.0       | 0.9        |              |
| H58   | 2046       | 38            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2046  | 38         | 0.24       |               | 0.1          | 0.9        |               | 0.9       | 0.9        |              |
| H59   | 2047       | 39            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2047  | 39         | 0.23       |               | 0.1          | 0.9        |               | 0.9       | 0.8        |              |
| H60   | 2048       | 40            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2048  | 40         | 0.23       |               | 0.1          | 0.9        |               | 0.9       | 0.8        |              |
| H61   | 2049       | 41            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2049  | 41         | 0.22       |               | 0.1          | 0.8        |               | 0.8       | 0.8        |              |
| H62   | 2050       | 42            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2050  | 42         | 0.21       |               | 0.1          | 0.8        |               | 0.8       | 0.7        |              |
| H63   | 2051       | 43            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2051  | 43         | 0.20       |               | 0.1          | 0.8        |               | 0.8       | 0.7        |              |
| H64   | 2052       | 44            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2052  | 44         | 0.19       |               | 0.1          | 0.7        |               | 0.7       | 0.7        |              |
| H65   | 2053       | 45            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2053  | 45         | 0.19       |               | 0.1          | 0.7        |               | 0.7       | 0.7        |              |
| H66   | 2054       | 46            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2054  | 46         | 0.18       |               | 0.1          | 0.7        |               | 0.7       | 0.6        |              |
| H67   | 2055       | 47            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2055  | 47         | 0.17       |               | 0.0          | 0.7        |               | 0.7       | 0.6        |              |
| H68   | 2056       | 48            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2056  | 48         | 0.16       |               | 0.0          | 0.6        |               | 0.6       | 0.6        |              |
| H69   | 2057       | 49            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2057  | 49         | 0.16       |               | 0.0          | 0.6        |               | 0.6       | 0.6        |              |
| H70   | 2058       | 50            |              | 0.3        | 3.9           |           | 3.9        | 3.6          |  | 2058  | 50         | 0.15       |               | 0.0          | 0.6        |               | 0.6       | 0.5        |              |
| 合 計   |            | 12.3          | 13.8         | 26.2       | 186.1         |           | 186.1      | 159.9        |  | 合 計   |            |            | 12.3          | 6.3          | 18.6       | 82.2          |           | 82.2       | 63.6         |

茨城港常陸那珂港区中央ふ頭地区 複合一貫輸送ターミナル整備事業【残事業】建設期間+10%  
費用便益分析シート(割引前)

費用便益分析シート(割引後)

|       |       |      |       |
|-------|-------|------|-------|
| EIRR= | 20.8% | NPV= | 57 億円 |
| B/C=  | 4.1   |      |       |

| (億円)  |            |               |              |            |               |           |            |              |  | (億円)  |            |            |               |              |            |               |           |            |              |
|-------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|--|-------|------------|------------|---------------|--------------|------------|---------------|-----------|------------|--------------|
| 割 引 前 |            |               |              |            |               |           |            |              |  | 割 引 後 |            |            |               |              |            |               |           |            |              |
| 年度    | 施設供<br>用期間 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |  | 年度    | 施設供<br>用期間 | 社会的<br>割引率 | 初期投資・<br>更新投資 | 運営・維<br>持コスト | 総費用<br>(C) | 輸送コスト削<br>減便益 | その他<br>便益 | 総便益<br>(B) | 純便益<br>(B-C) |
| H16   | 2004       |               |              |            |               |           |            |              |  | 2004  |            | 1.27       |               |              |            |               |           |            |              |
| H17   | 2005       |               |              |            |               |           |            |              |  | 2005  |            | 1.22       |               |              |            |               |           |            |              |
| H18   | 2006       |               |              |            |               |           |            |              |  | 2006  |            | 1.17       |               |              |            |               |           |            |              |
| H19   | 2007       |               |              |            |               |           |            |              |  | 2007  |            | 1.12       |               |              |            |               |           |            |              |
| H20   | 2008       |               |              |            |               |           |            |              |  | 2008  |            | 1.08       |               |              |            |               |           |            |              |
| H21   | 2009       | 1             |              |            |               |           |            |              |  | 2009  | 1          | 1.04       |               |              |            |               |           |            |              |
| H22   | 2010       | 2             | 6.7          | 0.3        | 6.9           |           | -6.9       |              |  | 2010  | 2          | 1.00       | 6.7           | 0.3          | 6.9        |               |           |            | -6.9         |
| H23   | 2011       | 3             | 4.1          | 0.3        | 4.4           |           | -4.4       |              |  | 2011  | 3          | 0.96       | 4.0           | 0.3          | 4.2        |               |           |            | -4.2         |
| H24   | 2012       | 4             | 1.6          | 0.3        | 1.8           |           | -1.8       |              |  | 2012  | 4          | 0.92       | 1.4           | 0.3          | 1.7        |               |           |            | -1.7         |
| H25   | 2013       | 5             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2013  | 5          | 0.89       |               | 0.3          | 0.3        | 3.4           |           | 3.4        | 3.2          |
| H26   | 2014       | 6             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2014  | 6          | 0.85       |               | 0.2          | 0.2        | 3.3           |           | 3.3        | 3.1          |
| H27   | 2015       | 7             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2015  | 7          | 0.82       |               | 0.2          | 0.2        | 3.2           |           | 3.2        | 3.0          |
| H28   | 2016       | 8             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2016  | 8          | 0.79       |               | 0.2          | 0.2        | 3.1           |           | 3.1        | 2.8          |
| H29   | 2017       | 9             |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2017  | 9          | 0.76       |               | 0.2          | 0.2        | 2.9           |           | 2.9        | 2.7          |
| H30   | 2018       | 10            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2018  | 10         | 0.73       |               | 0.2          | 0.2        | 2.8           |           | 2.8        | 2.6          |
| H31   | 2019       | 11            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2019  | 11         | 0.70       |               | 0.2          | 0.2        | 2.7           |           | 2.7        | 2.5          |
| H32   | 2020       | 12            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2020  | 12         | 0.68       |               | 0.2          | 0.2        | 2.6           |           | 2.6        | 2.4          |
| H33   | 2021       | 13            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2021  | 13         | 0.65       |               | 0.2          | 0.2        | 2.5           |           | 2.5        | 2.3          |
| H34   | 2022       | 14            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2022  | 14         | 0.62       |               | 0.2          | 0.2        | 2.4           |           | 2.4        | 2.2          |
| H35   | 2023       | 15            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2023  | 15         | 0.60       |               | 0.2          | 0.2        | 2.3           |           | 2.3        | 2.2          |
| H36   | 2024       | 16            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2024  | 16         | 0.58       |               | 0.2          | 0.2        | 2.2           |           | 2.2        | 2.1          |
| H37   | 2025       | 17            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2025  | 17         | 0.56       |               | 0.2          | 0.2        | 2.2           |           | 2.2        | 2.0          |
| H38   | 2026       | 18            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2026  | 18         | 0.53       |               | 0.2          | 0.2        | 2.1           |           | 2.1        | 1.9          |
| H39   | 2027       | 19            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2027  | 19         | 0.51       |               | 0.1          | 0.1        | 2.0           |           | 2.0        | 1.8          |
| H40   | 2028       | 20            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2028  | 20         | 0.49       |               | 0.1          | 0.1        | 1.9           |           | 1.9        | 1.8          |
| H41   | 2029       | 21            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2029  | 21         | 0.47       |               | 0.1          | 0.1        | 1.8           |           | 1.8        | 1.7          |
| H42   | 2030       | 22            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2030  | 22         | 0.46       |               | 0.1          | 0.1        | 1.8           |           | 1.8        | 1.6          |
| H43   | 2031       | 23            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2031  | 23         | 0.44       |               | 0.1          | 0.1        | 1.7           |           | 1.7        | 1.6          |
| H44   | 2032       | 24            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2032  | 24         | 0.42       |               | 0.1          | 0.1        | 1.6           |           | 1.6        | 1.5          |
| H45   | 2033       | 25            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2033  | 25         | 0.41       |               | 0.1          | 0.1        | 1.6           |           | 1.6        | 1.5          |
| H46   | 2034       | 26            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2034  | 26         | 0.39       |               | 0.1          | 0.1        | 1.5           |           | 1.5        | 1.4          |
| H47   | 2035       | 27            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2035  | 27         | 0.38       |               | 0.1          | 0.1        | 1.5           |           | 1.5        | 1.3          |
| H48   | 2036       | 28            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2036  | 28         | 0.36       |               | 0.1          | 0.1        | 1.4           |           | 1.4        | 1.3          |
| H49   | 2037       | 29            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2037  | 29         | 0.35       |               | 0.1          | 0.1        | 1.3           |           | 1.3        | 1.2          |
| H50   | 2038       | 30            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2038  | 30         | 0.33       |               | 0.1          | 0.1        | 1.3           |           | 1.3        | 1.2          |
| H51   | 2039       | 31            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2039  | 31         | 0.32       |               | 0.1          | 0.1        | 1.2           |           | 1.2        | 1.2          |
| H52   | 2040       | 32            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2040  | 32         | 0.31       |               | 0.1          | 0.1        | 1.2           |           | 1.2        | 1.1          |
| H53   | 2041       | 33            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2041  | 33         | 0.30       |               | 0.1          | 0.1        | 1.1           |           | 1.1        | 1.1          |
| H54   | 2042       | 34            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2042  | 34         | 0.29       |               | 0.1          | 0.1        | 1.1           |           | 1.1        | 1.0          |
| H55   | 2043       | 35            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2043  | 35         | 0.27       |               | 0.1          | 0.1        | 1.1           |           | 1.1        | 1.0          |
| H56   | 2044       | 36            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2044  | 36         | 0.26       |               | 0.1          | 0.1        | 1.0           |           | 1.0        | 0.9          |
| H57   | 2045       | 37            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2045  | 37         | 0.25       |               | 0.1          | 0.1        | 1.0           |           | 1.0        | 0.9          |
| H58   | 2046       | 38            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2046  | 38         | 0.24       |               | 0.1          | 0.1        | 0.9           |           | 0.9        | 0.9          |
| H59   | 2047       | 39            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2047  | 39         | 0.23       |               | 0.1          | 0.1        | 0.9           |           | 0.9        | 0.8          |
| H60   | 2048       | 40            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2048  | 40         | 0.23       |               | 0.1          | 0.1        | 0.9           |           | 0.9        | 0.8          |
| H61   | 2049       | 41            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2049  | 41         | 0.22       |               | 0.1          | 0.1        | 0.8           |           | 0.8        | 0.8          |
| H62   | 2050       | 42            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2050  | 42         | 0.21       |               | 0.1          | 0.1        | 0.8           |           | 0.8        | 0.7          |
| H63   | 2051       | 43            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2051  | 43         | 0.20       |               | 0.1          | 0.1        | 0.8           |           | 0.8        | 0.7          |
| H64   | 2052       | 44            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2052  | 44         | 0.19       |               | 0.1          | 0.1        | 0.7           |           | 0.7        | 0.7          |
| H65   | 2053       | 45            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2053  | 45         | 0.19       |               | 0.1          | 0.1        | 0.7           |           | 0.7        | 0.7          |
| H66   | 2054       | 46            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2054  | 46         | 0.18       |               | 0.1          | 0.1        | 0.7           |           | 0.7        | 0.6          |
| H67   | 2055       | 47            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2055  | 47         | 0.17       |               | 0.0          | 0.0        | 0.7           |           | 0.7        | 0.6          |
| H68   | 2056       | 48            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2056  | 48         | 0.16       |               | 0.0          | 0.0        | 0.6           |           | 0.6        | 0.6          |
| H69   | 2057       | 49            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2057  | 49         | 0.16       |               | 0.0          | 0.0        | 0.6           |           | 0.6        | 0.6          |
| H70   | 2058       | 50            |              | 0.3        | 0.3           |           | 3.9        | 3.6          |  | 2058  | 50         | 0.15       |               | 0.0          | 0.0        | 0.6           |           | 0.6        | 0.5          |
| 合 計   |            | 12.3          | 13.8         | 26.2       | 178.3         |           | 178.3      | 152.2        |  | 合 計   |            |            | 12.1          | 6.3          | 18.3       | 74.9          |           | 74.9       | 56.5         |

茨城港常陸那珂港区中央ふ頭地区複合一貫輸送ターミナル整備事業  
費用便益の概要

便益

| 項目    | 区分       | 単位当りの便益 |         |                 | 便益(代表年) |      |
|-------|----------|---------|---------|-----------------|---------|------|
|       |          |         | 単位      | 備考              |         | 単位   |
| 利用者便益 | 輸送コストの削減 | 1       | 千円／トン・年 | ターミナル整備によるコスト削減 | 11.8    | 億円/年 |

\* 便益の算出にあたっては、「港湾整備事業の費用対効果分析マニュアル(平成16年6月)」を参照

費用

|         |                  |
|---------|------------------|
| 費用項目    | 建設費、管理運営費 等      |
| 事業の対象施設 | 岸壁(-9m)、泊地(-9m)等 |

〔内貨RORO貨物による輸送コスト削減便益〕

内貨RORO貨物を輸送する海上・陸上輸送費用の削減額を算出する。Without時の代替港は実績により背後都県別に仙台塩釜港、茨城港大洗港区、東京港として設定し、取扱貨物量868千トン／年（便益計上分は、茨城県、栃木県、群馬県の389千トン／年）と設定。対象プロジェクトの実施により、11.8億円／年の輸送コストが削減可能となる。

【陸上輸送費用】

| 項 目              | With時         | Without時 |         |               | 備考    |
|------------------|---------------|----------|---------|---------------|-------|
|                  | 茨城港常陸那珂港区     | 仙台塩釜港    | 茨城港大洗港区 | 東京港           |       |
| 貨物取扱量(千トン／年)     | 389           | 47       | 243     | 99            |       |
| 年間輸送台数(台／年)      | 24,338        | 2,931    | 15,181  | 6,225         |       |
| 陸上輸送距離(km)       | 40～320        | 500      | 40      | 222～242       |       |
| 輸送費用(円／台)        | 26,131～89,614 | 126,046  | 26,131  | 73,423～77,471 |       |
| 陸上輸送費用(千円／年)     | 1,050,135     | 369,441  | 396,695 | 477,526       |       |
| 陸上輸送費用削減便益(千円／年) | 193,527       |          |         |               | 単年度便益 |

【海上輸送費用】

| 項 目              | With時     | Without時 |           |         | 備考    |
|------------------|-----------|----------|-----------|---------|-------|
|                  | 茨城港常陸那珂港区 | 仙台塩釜港    | 茨城港大洗港区   | 東京港     |       |
| 貨物取扱量(千トン／年)     | 389       | 47       | 243       | 99      |       |
| 年間輸送台数(台／年)      | 24,338    | 2,931    | 15,181    | 6,225   |       |
| 海上輸送距離(km)       | 800       | 619      | 806       | 1,085   |       |
| 海上輸送費用(円／台)      | 60,950    | 46,706   | 112,920   | 81,737  |       |
| 海上輸送費用(千円／年)     | 1,483,401 | 136,895  | 1,714,239 | 508,813 |       |
| 海上輸送費用削減便益(千円／年) | 876,546   |          |           |         | 単年度便益 |

【輸送時間費用】

| 項 目              | With時     | Without時 |           |           | 備考    |
|------------------|-----------|----------|-----------|-----------|-------|
|                  | 茨城港常陸那珂港区 | 仙台塩釜港    | 茨城港大洗港区   | 東京港       |       |
| 貨物取扱量(千トン／年)     | 389       | 47       | 243       | 99        |       |
| 年間輸送台数(台／年)      | 24,338    | 2,931    | 15,181    | 6,225     |       |
| 輸送時間(時間)         | 26.8～35.0 | 35.3     | 25.0      | 39.8～40.4 |       |
| 時間費用原単位(円／台)     | 3,968     | 3,968    | 3,968     | 3,968     |       |
| 輸送時間費用(千円／年)     | 2,793,702 | 410,663  | 1,502,943 | 994,997   |       |
| 輸送時間費用削減便益(千円／年) | 114,901   |          |           |           | 単年度便益 |

| 便 益 計 (百万円／年) | 陸上輸送費用削減 | 海上輸送費用削減 | 輸送時間費用削減 | 合計    | 備考    |
|---------------|----------|----------|----------|-------|-------|
|               | 194      | 877      | 115      | 1,185 | 単年度便益 |

〔残存価値〕

プロジェクトの供用期間の終了時点における残存価値を算出する。対象プロジェクトにおいて残存価値を計上できる施設は、ふ頭用地であり、その残存価値は10億円となる。

【ふ頭用地の残存価値】

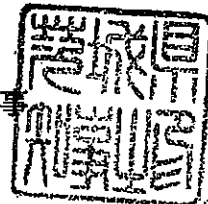
| 項 目                      | With時     | Without時 | 備考    |
|--------------------------|-----------|----------|-------|
| ふ頭用地の面積(m <sup>2</sup> ) | 26,000    | 0        |       |
| 土地単価(円／m <sup>2</sup> )  | 38,600    | 0        |       |
| ふ頭用地の残存価値(千円)            | 1,003,600 | 0        |       |
| ふ頭用地の残存価値(百万円／年)         | 1,004     |          | 単年度便益 |



監 第 712 号  
平成22年10月26日

国土交通省 関東地方整備局長 殿

茨城県知事



関東地方整備局事業評価監視委員会に諮る  
対応方針（原案）の作成に係る意見照会について（回答）

平成22年10月14日付け国関整企画第153号により依頼のありました標記  
のことにつきまして、別紙のとおり回答いたします。



（回答様式）

（再評価）

【砂防事業】

| 事業名              | 「対応方針（原案）」案<br>※ | 茨城県知事の意見                                                                  |
|------------------|------------------|---------------------------------------------------------------------------|
| 利根川水系直轄砂防事業（利根川） | 継続               | 利根川水系直轄砂防事業は、土砂流出に伴う利根川本川への影響に鑑み、下流域である本県の治水対策上重要と考えられることから、事業の継続をお願いします。 |

※貴県の意見を踏まえ、関東地方整備局事業監視委員会へ諮る対応方針（原案）を作成するためのものです。

【道路事業】

| 事業名                         | 「対応方針（原案）」案<br>※ | 茨城県知事の意見                                                                                                                                                 |
|-----------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 一般国道51号 潮来バイパス              | 継続               | 一般国道51号潮来バイパスは、潮来市街地を通過する交通を分散することにより、交通渋滞の緩和、安全性の確保が図られるとともに、重点港湾である鹿島港や東関東水戸線潮来ICへのアクセス性が向上し、物流機能の強化や地域産業の振興に大きく寄与することから、より一層のコスト縮減を図りながら、早期整備をお願いします。 |
| 一般国道468号 首都圏中央連絡自動車道（川島～五霞） | 継続               | 圏央道は、首都圏三環状道路を形成する高規格幹線道路として、本県の発展に不可欠な道路であり、企業誘致や物流の効率化などに大きく寄与することから、より一層のコスト縮減を図りながら、開通目標どおりの整備をお願いします。                                               |

※貴県の意見を踏まえ、関東地方整備局事業監視委員会へ諮る対応方針（原案）を作成するためのものです。

【港湾事業】

| 事業名                            | 「対応方針（原案）」案<br>※ | 茨城県知事の意見                                                                                                                     |
|--------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------|
| 茨城港常陸那珂港区中央ふ頭地区複合・貫輸送ターミナル整備事業 | 継続               | 茨城港常陸那珂港区は、東京湾諸港の港湾物流機能を補完し、北関東の物流・産業拠点としての役割を担っており、本県の発展にも大きく寄与するものであります。<br>また、港湾利用企業からの整備要望が高いことから、事業の継続と更なる整備の促進をお願いします。 |

※貴県の意見を踏まえ、関東地方整備局事業監視委員会へ諮る対応方針（原案）を作成するためのものです。