

土 工 計 算 書

(一式当り)

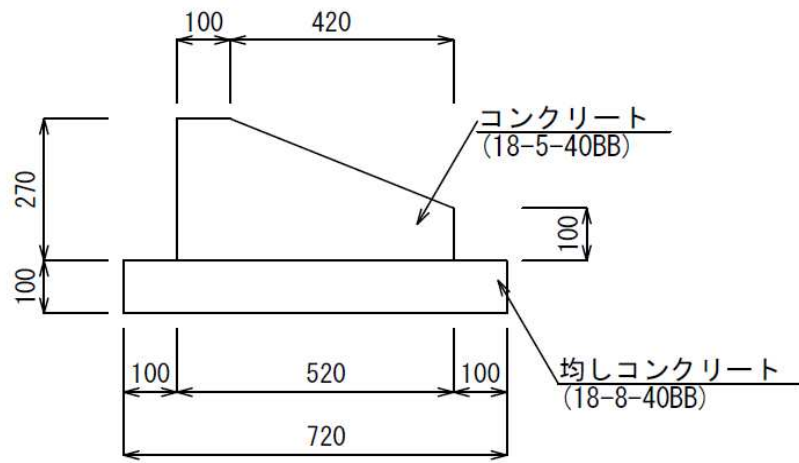
| | | | |
|-----------------|--|----|------|
| 掘削 | 横断図・展開図より | | |
| | $V1 = (1.21 + 1.24) \times 1/2 \times 2.00 = 2.45$ | | |
| | $V2 = (1.24 + 1.40) \times 1/2 \times 8.00 = 10.56$ | | |
| | $V3 = (1.40 + 1.40) \times 1/2 \times 0.7 = 0.98$ | | |
| 控除 (既設すりつけ分) | 構造物撤去工計算書(2)図より $V = (0.94 + 2.07) \times 1/2 \times 2.16 = 13.99$ $\times 1.077 \times 0.35 = 1.23$ | | |
| | $V = 13.99 - 1.23 = 12.76$ | m3 | 12.8 |
| 床掘 | 横断図・展開図より | | |
| | $V1 = (1.55 + 1.57) \times 1/2 \times 2.00 = 3.12$ | | |
| | $V2 = (1.57 + 1.58) \times 1/2 \times 8.00 = 12.60$ | | |
| | $V3 = (1.58 + 1.58) \times 1/2 \times 0.70 = 1.11$ | | |
| | $\Sigma = 16.83$ | m3 | 16.8 |
| 控除 (既設すりつけ分) | 構造物撤去工計算書(2)図より $V = (0.50 + 0.94) \times 1/2 \times 0.87 = 0.24$ $\times 1.077 \times 0.35 = 0.24$ | | |
| | $V = 16.83 - 0.24 = 16.59$ | m3 | 16.6 |
| 埋戻し | 横断図・展開図より | | |
| | $V1 = (0.71 + 0.71) \times 1/2 \times 2.00 = 1.42$ | | |
| | $V2 = (0.71 + 0.71) \times 1/2 \times 8.00 = 5.68$ | | |
| | $V3 = (0.71 + 0.71) \times 1/2 \times 0.70 = 0.50$ | | |
| | $\Sigma = 7.60$ | m3 | 7.6 |
| 掘削床掘総計 | 掘削 $V = 12.76$ 床掘 $V = 16.59$ $\Sigma = 29.35$ | m3 | 29.4 |
| 盛土埋戻し総計 | 盛土 $V = 0.00$ 埋戻し $V = 7.60$ $\Sigma = 7.60$ | m3 | 7.6 |
| 残土処理 | $(\text{掘削} + \text{床掘}) - (\text{盛土} + \text{埋戻し}) / 0.9$ | | |
| 残土処理 | $V = 29.35 - 7.60 / 0.9 = 20.91$ | m3 | 20.9 |

ブ ロ ッ ク 積 工 計 算 書

(一式当り)

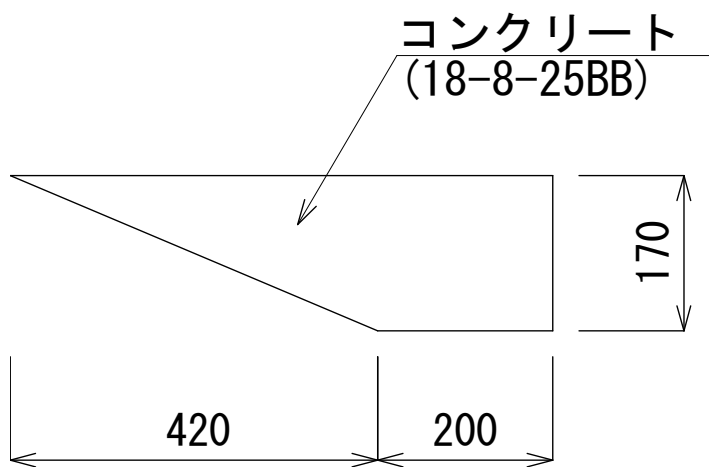
| | | | | | | |
|----------------------|--|----|--|--|------|--|
| ブロック積工 | | | | | | |
| ブロック積 | 展開図より | | | | | |
| | A1= (3.06 + 3.12) × 1/2 × 2.00 = 6.18 | | | | | |
| | A2= (3.12 + 3.44) × 1/2 × 8.00 = 26.24 | | | | | |
| | A3= (3.44 + 3.44) × 1/2 × 0.40 = 1.38 | | | | | |
| | Σ = 33.80 | m2 | | | 33.8 | |
| 裏込材 (RC-40) | 標準断面図・展開図より | | | | | |
| | V1= (1.05 + 1.08) × 1/2 × 2.00 = 2.13 | | | | | |
| | V2= (1.08 + 1.24) × 1/2 × 8.00 = 9.28 | | | | | |
| | V3= (1.24 + 1.24) × 1/2 × 0.40 = 0.50 | | | | | |
| | Σ = 11.91 | m3 | | | 11.9 | |
| 裏込コンクリート (18-8-25BB) | 標準断面図・展開図より | | | | | |
| | V1= (0.29 + 0.30) × 1/2 × 2.00 = 0.59 | | | | | |
| | V2= (0.30 + 0.33) × 1/2 × 8.00 = 2.52 | | | | | |
| | V3= (0.33 + 0.33) × 1/2 × 0.40 = 0.13 | | | | | |
| | Σ = 3.24 | m3 | | | 3.2 | |
| 目地材 (樹脂発泡体, t=10mm) | A1= 3.06 × 0.450 × 1.00 = 1.38 | | | | | |
| | A2= 3.44 × 0.450 × 1.00 = 1.55 | | | | | |
| | A3= 3.44 × 0.450 × 1.00 = 1.55 | | | | | |
| | Σ = 4.48 | m2 | | | 4.5 | |
| 基礎工 | 展開図より | | | | | |
| | L= 10.40 = 10.40 | m | | | 10.4 | |
| 天端工 | 展開図より | | | | | |
| | L= 10.40 = 10.40 | m | | | 10.4 | |
| 小口止工 | 小口止め工より | | | | | |
| | V= 0.91 = 0.91 | m3 | | | 0.9 | |
| すりつけ工 (練石積) | V= (3.834 + 3.920) × 1/2 × 2.40 = 9.30 | m2 | | | 9.3 | |
| 既設Co構造物②③ 復旧 | 構造物撤去工計算書(2)図より | | | | | |
| | V= 0.15 = 0.15 | m3 | | | 0.2 | |
| 型枠 | A= (1.30 + 1.24) × 0.15 ÷ 2.00 × 4.00 + 0.30 × 0.15 + 0.50 × 0.15 = 0.88 | m2 | | | 0.9 | |

基礎工 (10m当り)



| 名 称 | 計 算 | 単位 | 数 量 |
|---------------------------|---|----|------|
| コンクリート (18-5-40BB) | $V = \left\{ \frac{0.100 \times 0.270 + \left(\frac{0.270 + 0.100}{2.000} \times 0.420 \right) \times 0.100}{10.000} \right\} \times 10.000 = 1.047$ | m3 | 1.05 |
| 型枠 | $A = (0.270 + 0.100) \times 10.000 = 3.700$ | m2 | 3.70 |
| 均しコンクリート (18-8-40BB) | $V = 0.720 \times 0.100 \times 10.000 = 0.720$ | m3 | 0.72 |
| 均し型枠 | $A = (0.100 + 0.100) \times 10.000 = 2.000$ | m2 | 2.00 |
| 目地材 (樹脂発泡体目地板, t=10mm) | $A = \left\{ \frac{0.100 \times 0.270 + \left(\frac{0.270 + 0.100}{2.000} \times 0.420 \right) \times 0.100}{2.000} \right\} \times 10.000 = 0.209$ | m2 | 0.21 |
| 床均し | $A = 0.720 \times 10.000 = 7.200$ | m2 | 7.20 |

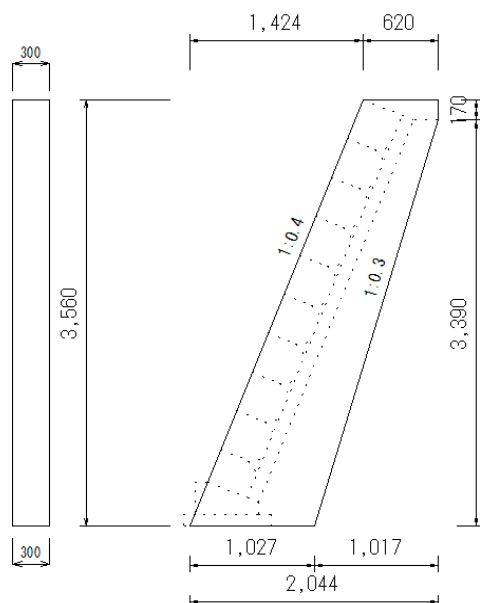
天 端 工 (10m当り)



| 名 称 | 計 算 | 単位 | 数 量 |
|---------------------------|--|----|------|
| コンクリート (18-8-25BB) | $V = \left(\frac{0.420 \times 0.170}{0.200 \times 0.170} \div \frac{2.000}{10.000} + \right) = 0.697$ | m3 | 0.70 |
| 型枠 | $A = 0.170 \times 10.000 = 1.700$ | m2 | 1.70 |
| 目地材 (樹脂発泡体目地材, t=10mm) | $A = \left(\frac{0.420 \times 0.170}{0.200 \times 0.170} \div \frac{2.000}{2.000} + \right) = 0.139$ | m2 | 0.14 |

小 口 止 工

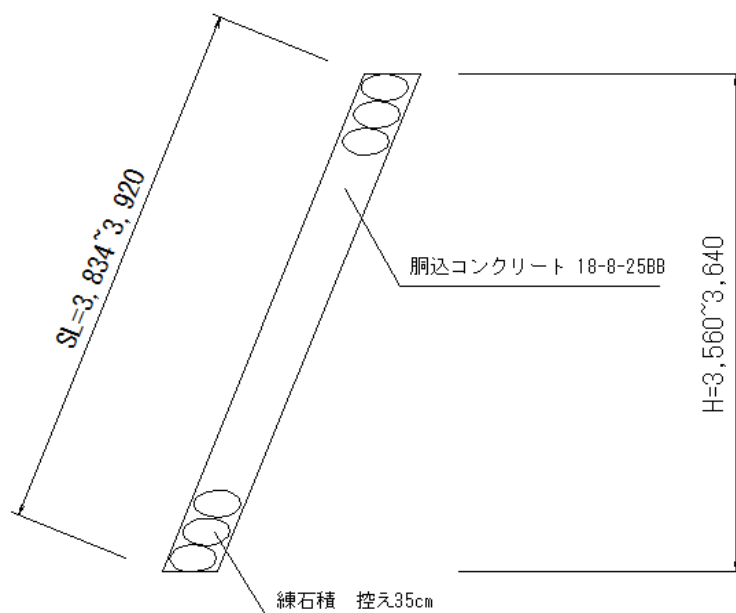
(1基当り)



| 名 称 | 計 算 | 単位 | 数 量 |
|-----------------------|---|----|------|
| コンクリート (18-8-40BB) | $N = \frac{\{ (0.620 + 2.044) \div 2.000 \times 3.560 - 1.017 \times 3.390 \div 2.000 \}}{\times 0.300} = 0.905$ | m3 | 0.91 |
| 型枠 | $A = \frac{\{ (0.620 + 2.044) \div 2.000 \times 3.560 - 1.017 \times 3.390 \div 2.000 \}}{\times 2.000 + 3.560 \times 1.077 \times 0.300} = 7.186$ <p>※斜比:1.077 (1 : 0.4)</p> | m3 | 7.19 |
| 床均し | $A = 1.027 \times 0.300 = 0.308$ | m2 | 0.31 |

す 練 り つ け 工 積

(10m2当り)



| 名 称 | 計 算 | 単位 | 数 量 |
|-----------------------|---|----|-------|
| 練石積 (玉石 控え35cm) | A= 10.000 = 10.000 | m2 | 10.00 |
| コンクリート (18-8-25BB) | V= 10.000 × 0.350 × 0.333 = 1.166 積算基準より玉石 胴込コンクリート 控長の1/3 | m2 | 1.17 |

舗 装 工 計 算 書

(一式当り)

コンクリート舗装工

路盤
(RC-40, t=100mm)

舗装面積計算書より
A= 44.57 = 44.57

控除
(天端部分)

図面より
A= 0.62 × 13.10 = 8.12

Σ = 36.45 m2 36.5

コンクリート舗装
(t=120mm)

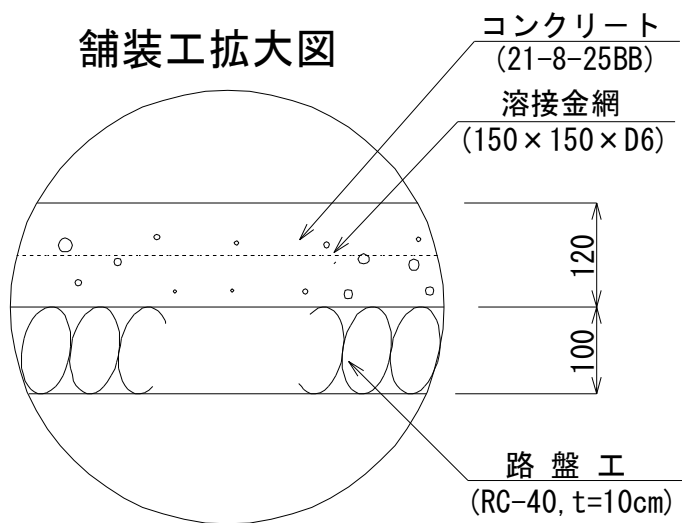
路盤より
A= 36.45 = 36.45 m2 36.5

| 鋪 裝 面 積 計 算 書 | | | | | | | | | | | |
|---------------|----------------|------------|----------|------------|-------------|----------|------------|-------------|----------|------------|-------------|
| 測 点 名 | 測 点 | 距 離 (m) | 表 層 | | | 路 盤 | | | 不 陸 整 正 | | |
| | | | 幅 (m) | 平 均 (m) | 面 積 (m2) | 幅 (m) | 平 均 (m) | 面 積 (m2) | 幅 (m) | 平 均 (m) | 面 積 (m2) |
| NO. 0+2. 0 | NO. 0 + 2. 00 | 0. 00 | 3. 10 | | | 3. 10 | | | | | |
| NO. 0+10. 0 | NO. 0 + 10. 00 | 8. 00 | 4. 30 | 3. 70 | 29. 60 | 4. 30 | 3. 70 | 29. 60 | | | |
| No. 0+13. 1 | NO. 0 + 13. 10 | 3. 10 | 5. 35 | 4. 83 | 14. 97 | 5. 35 | 4. 83 | 14. 97 | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 合計 | | 11. 10 | | | 44. 57 | | | 44. 57 | | | |

コンクリート舗装

(100m²当り)

舗装工拡大図



| 名 称 | 計 算 | 単位 | 数 量 |
|--------------------------------|---|----------------------|--------------|
| コンクリート (21-8-25BB, t=120mm) | $V = 100.000 \times 0.120 = 12.000$ | m ³ | 12.00 |
| 溶接金網 (150×150×D6) | $A = 100.000 = 100.000$ | m ² | 100.00 |
| 目地材 (瀝青繊維質目地材, t=10mm) | $N = 100.000 \div (4.250 \times 10.000) = 3.000$ ※平均幅員W=4.25m $A = 4.250 \times 0.120 \times 3.000 = 1.530$ | 箇所 m ² | 3.00 1.53 |
| 型枠 | $A = 100.000 \div 4.250 \times 0.120 \times 2.000 = 5.647$ | m ² | 5.65 |

構造物撤去工計算書(1)

(一式当り)

構造物取壊し工

既設無筋Co構造物

構造物撤去工計算書(2)図より

既設すりつけ(練石積)

$$V1 = (2.070 + 0.500) \times 1/2 \times 3.030 \times 1.077 \times 0.350 = 1.47$$

既設無筋Co構造物①

$$V2 = 0.59 \times 0.30 = 0.18$$

既設無筋Co構造物②

$$V3 = 0.49 \times 0.15 = 0.07$$

既設無筋Co構造物③

$$V4 = 0.82 \times 0.15 = 0.12$$

$$\Sigma = 1.84 \quad \text{m}^3 \quad 1.8$$

舗装版取壊し

取壊し面積計算書より

Co+As(カバー)
(Co t=20cm)
(As t=4cm)

$$A = 0.24 \times 44.57 = 10.70$$

$$\text{m}^2 \quad 10.7$$

舗装版切断

Co+As(カバー)
(Co t=20cm)
(As t=4cm)

$$L = 3.10 + 5.35 = 8.45$$

(No. 0+2.0付近、No. 0+13.1付近)

$$\text{m} \quad 8.5$$

Co

(t=12cm)

$$L = 2.00 = 2.00$$

(No. 0~No. 0+2.0)

$$\text{m} \quad 2.0$$

運搬処理工

殻運搬

(無筋コンクリート)

構造物取壊しより

$$V1 = 1.84 = 1.84$$

舗装版取壊しより

$$V2 = 44.57 \times 0.20 = 8.91$$

$$\Sigma = 10.75 \quad \text{m}^3 \quad 10.8$$

殻運搬

(アスファルト)

舗装版取壊しより

$$V = 44.57 \times 0.04 = 1.78$$

$$\text{m}^3 \quad 1.8$$

殻処分

(無筋コンクリート)

殻運搬より

$$V = 10.75 = 10.75$$

$$\text{m}^3 \quad 10.8$$

殻処分

(アスファルト)

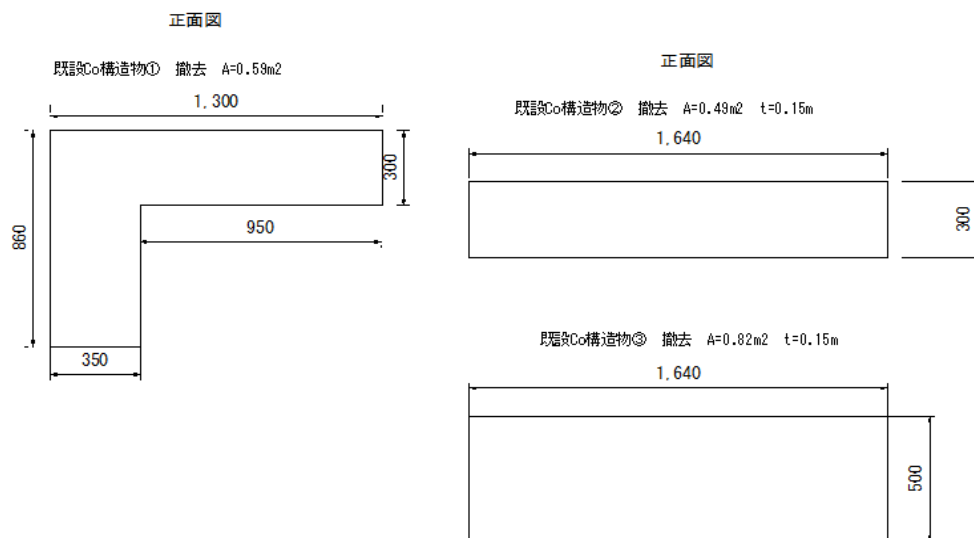
殻運搬より

$$V = 1.78 = 1.78$$

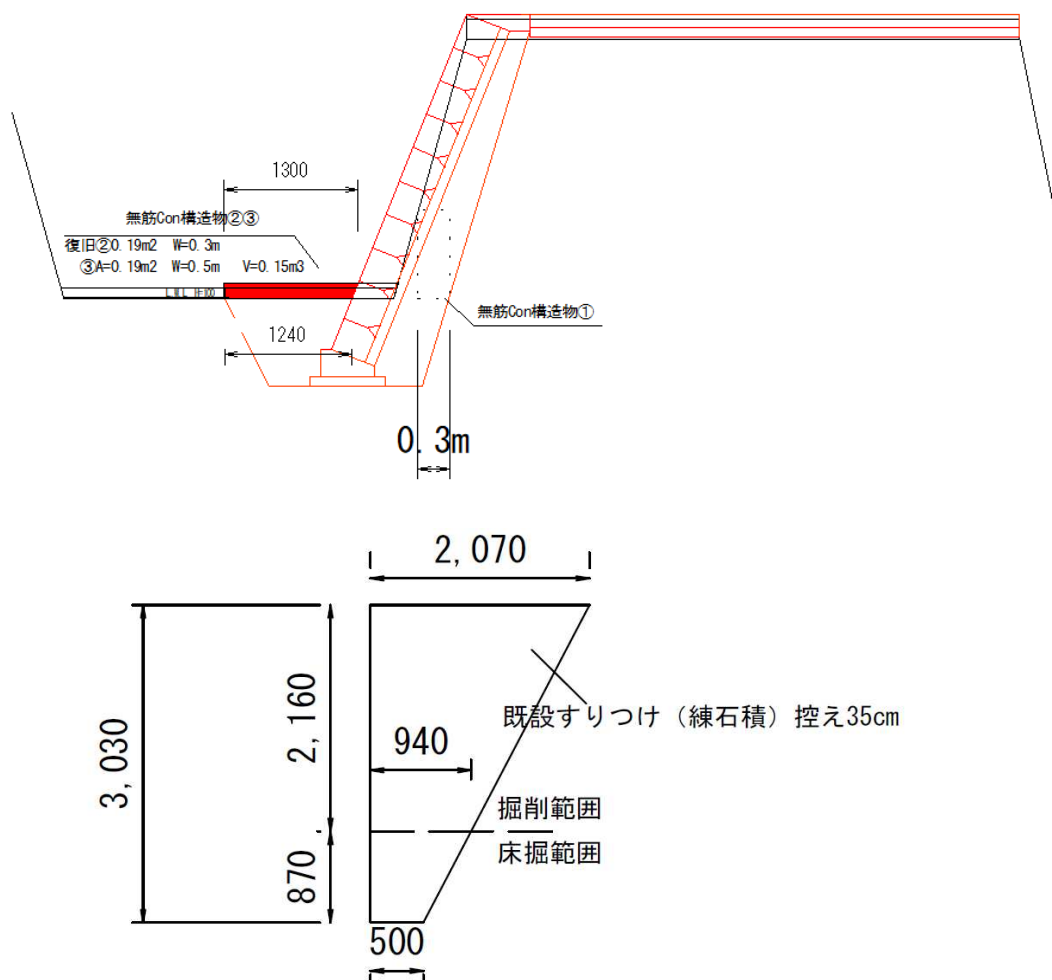
$$\text{m}^3 \quad 1.8$$

構造物撤去工計算書（2）

（一式当り）



No.0+13.1付近



| 取 壊 し 数 量 計 算 書 | | | | | | | | | | | |
|-----------------|----------------|------------|-----------------|------------|-------------|-----------------|------------|-------------|-----------------|-------------|-------------|
| 測 点 名 | 測 点 | 距 離 (m) | コ ン ク リ ー ト 舗 装 | | | ア ス フ ァ ル ト 舗 装 | | | 無 筋 コ ン ク リ ー ト | | |
| | | | 幅 (m) | 平 均 (m) | 面 積 (m2) | 幅 (m) | 平 均 (m) | 面 積 (m2) | 断 面 積 (m2) | 平 均 (m2) | 体 積 (m3) |
| NO. 0+2. 0 | NO. 0 + 2. 00 | 0. 00 | 3. 10 | | | 3. 10 | | | | | |
| NO. 0+10. 0 | NO. 0 + 10. 00 | 8. 00 | 4. 30 | 3. 70 | 29. 60 | 4. 30 | 3. 70 | 29. 60 | | | |
| No. 0+13. 1 | NO. 0 + 13. 10 | 3. 10 | 5. 35 | 4. 83 | 14. 97 | 5. 35 | 4. 83 | 14. 97 | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

(一式当り)

| | | | | | |
|-------------|---------|---|------|---|-----|
| 仮締切工 | | | | | |
| 仮締切 | N= 1.00 | = | 1.00 | 式 | 1.0 |
| 交通管理工 | | | | | |
| 交通誘導警備員A, B | N= 1.00 | = | 1.00 | 式 | 1.0 |