



PEMERINTAH KOTA SEMARANG
DINAS PEKERJAAN UMUM

JL. MADUKORO RAYA NO. 7, TELP. (024) 76433969, FAX. (024) 76433969 KOTA SEMARANG

FORM INVENTARISASI JEMBATAN
Ruas Jalan
GAJAHMADA

NO JEMBATAN : KT.33.074.01.0018.001
NAMA JEMBATAN : GAJAHMADA
TAHUN ANGGARAN : 2024



LAPORAN PEMERIKSAAN INVENTARISASI JEMBATAN

No. Jembatan Ruas Jalan Kabupaten dan Kota

| | | | | | | | | | | | | | | | |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| KT | 3 | 3 | 0 | 7 | 4 | 0 | 1 | 0 | 0 | 1 | 8 | 0 | 0 | 1 | |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|

| | | | | | | |
|-----------------------------------|--|----------------|------------------------------------|--|--------------------------------------|--|
| Nama Jembatan | GAJAHMADA | | | | Propinsi / Kabupaten / Kota Semarang | |
| Lokasi Jembatan | Koordinat Awal : -6,9805240 LS | 110,4212840 BT | Dari (Kota Asal/Km.NoI) : SMG | | | |
| | Koordinat Akhir : -6,9805240 LS | 110,4212840 BT | Km. (Jarak dari kota asal) : 0+740 | | | |
| Tanggal Pemeriksaan 07/03/2024 | Nama Pemeriksa / NIP GENDUT SUMANTO | | | | Tahun Pembangunan - | |
| Nilai Lalu - Lintas : | 0.691256 | LHR : 3056.88 | Tahun : 2019 | | | |

INFORMASI PEMBANGUNAN JEMBATAN

| | | |
|--|------------------|------|
| 1 Tanggal / Bulan / Tahun pembangunan jembatan / pengoperasian pertama kali | : | - |
| 2 Tanggal / Bulan / Tahun pelebaran/rehabilitasi/perkuatan jembatan / pengoperasian pertama kali | : | - |
| 3 Tanggal / Bulan / Tahun serah terima aset | : | - |
| 4 Penanggung jawab pembangunan (Satker/PPK) | : | - |
| 5 Penanggung jawab pelebaran/rehabilitasi/perkuatan jembatan (Satker/PPK) | : | - |
| 6 Biaya perencanaan | : | - |
| 7 Biaya pembangunan | : | - |
| 8 Biaya pelebaran/rehabilitasi/perkuatan jembatan | : | - |
| 9 Biaya pengujian | : | - |
| 10 Nilai aset serah terima | : | - |
| 11 Nama konsultan perencana pembangunan | : | - |
| 12 Nama <i>Independent Proof Checker</i> (IPC) | : | - |
| 13 Nama konsultan perencana pelebaran/rehabilitasi/perkuatan jembatan | : | - |
| 14 Nama kontraktor pelaksana pembangunan | : | - |
| 15 Nama kontraktor pelaksana pelebaran/rehabilitasi/perkuatan jembatan | : | - |
| 16 Nama subkontraktor spesialis | : | - |
| 17 Nama konsultan pengawas pembangunan | : | - |
| 18 Nama konsultan pengawas pelebaran/rehabilitasi/perkuatan jembatan | : | - |
| 19 Nama konsultan pengujian | : | - |
| | Tersedia / Tidak | File |
| 20 Laporan pembangunan/pelebaran/rehabilitasi/perkuatan jembatan | TIDAK | |
| 21 <i>As-built-drawing</i> atau denah jembatan | TIDAK | |

Hanya untuk keperluan kantor

| | |
|---|-----------------------|
| Tanggal memasukkan Data Pemeriksaan Inventarisasi 21/03/2024 | Oleh : WAHYU DWIS. |
|---|-----------------------|



PEMERINTAH KOTA SEMARANG
DINAS PEKERJAAN UMUM

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INFORMASI KAPASITAS MUATAN

| | | | |
|--|---|-----------|-------|
| 1 Batasan muatan sumbu terberat MST | : | 15 | ton |
| 2 Beban maksimum yang pernah di atas jembatan | : | 15 | ton |
| 3 Jenis kendaraan berat yang umum lewat di atas jembatan | : | BUS SHD | |
| 4 Tindakan darurat yang sedang/pernah dilakukan di atas jembatan | : | C | |
| a. Pembatasan beban | | | |
| b. Penyokongan/Sangga | | | |
| c. Penutupan parsial/Sebagian | | | |
| d. Penutupan penuh | | | |
| e. Jalan Memutar/ <i>detour</i> | | | |
| f. Jembatan Sementara | | | |
| 5 Apakah tersedia jalan memutar/ <i>detour</i> jika jembatan ditutup | | Ya | tidak |
| 6 Panjang jarak tambahan yang harus ditempuh dengan jalan memutar | | 560 | m |

INFORMASI KAPASITAS LALU LINTAS

| | | | |
|--|---|----------|---|
| 1 Lalu - lintas harian rata-rata tahunan (LHR) AADT | : | 3056.88 | |
| 2 Nilai Lalu - Lintas (Perbandingan lebar jalur lalu-lintas yang tersedia di atas jembatan dengan lebar perkerasan sebelum masuk ke dalam jembatan | | | |
| Longgar kendaraan bebas melintas di atas jembatan | | 0 | |
| Cukup lebar kendaraan melaju perlahan di atas jembatan | | 3 | |
| Sempit kendaraan harus antri atau berhenti | | 5 | |
| 3 Lebar kendaraan maksimum (<i>ODOL/Over-dimension overload vehicle</i>) | : | 2,5 | m |

INFORMASI BATASAN PERLINTASAN DAN LINGKUNGAN

| | | | |
|---|---|-----|---|
| 1 Tinggi muka air banjir terhadap bagian atas lantai jembatan | : | 2 | m |
| 2 Tinggi muka air banjir terhadap elevasi perletakan jembatan | : | - | m |
| 3 Tinggi muka air banjir terhadap elevasi terbawah bangunan atas jembatan | : | 1,5 | m |
| 4 Kedalaman gerusan di sekitar pilar | : | - | m |
| 5 Kedalaman gerusan di sekitar kepala jembatan | : | - | m |
| 6 Kedalaman gerusan di sekitar tanah timbunan atau bangunan pengaman lainnya | : | - | m |
| 7 Tinggi bebas perlintasan <i>overpass</i> jalan | : | - | m |
| 8 Tinggi bebas perlintasan kereta api | : | - | m |
| 9 Tinggi bagian tertinggi dari kapal laut dan/atau angkutannya terhadap elevasi terbawah bangunan atas jembatan | : | - | m |
| 10 Lebar alur pelayaran untuk dibandingkan dengan kapal laut | : | - | m |
| 11 Tinggi pilon dengan batasan lintasan pesawat udara dekat bandara | : | - | m |



LAPORAN PEMERIKSAAN INVENTARISASI JEMBATAN

Table with 2 columns: Nama Jembatan, GAJAHMADA

Sistem Manajemen Jembatan



Table with 4 columns: Tipe Lintasan, JN SL SM SB S/T KA L, Jumlah Bentang, Panjang Total, Bentang Terpanjang

Main inventory table for 'Bangunan Atas (2.400)' with columns for various structural elements and their codes.

Main inventory table for 'Bangunan Bawah (2.300)', 'Aliran Sungai (2.200)', and 'Jalan Pendekat (2.100)' with columns for foundation, piers, and approach details.



PEMERINTAH KOTA SEMARANG
DINAS PEKERJAAN UMUM

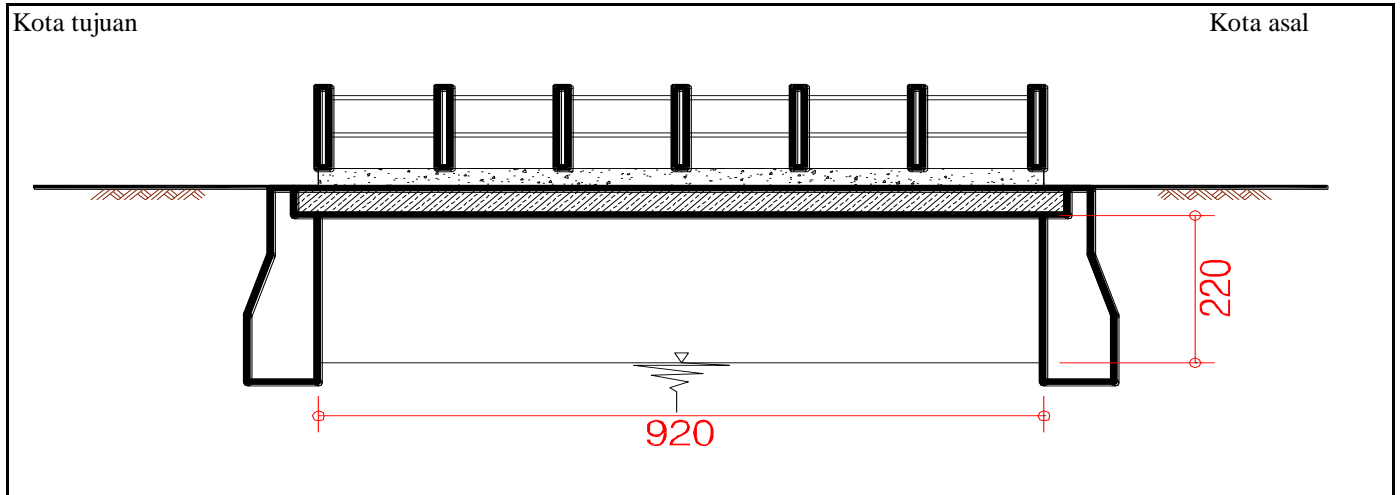
JL. MADUKORO RAYA NO. 7, TELP. (024) 76433969, FAX. (024) 76433969 KOTA SEMARANG

NO. JEMBATAN :

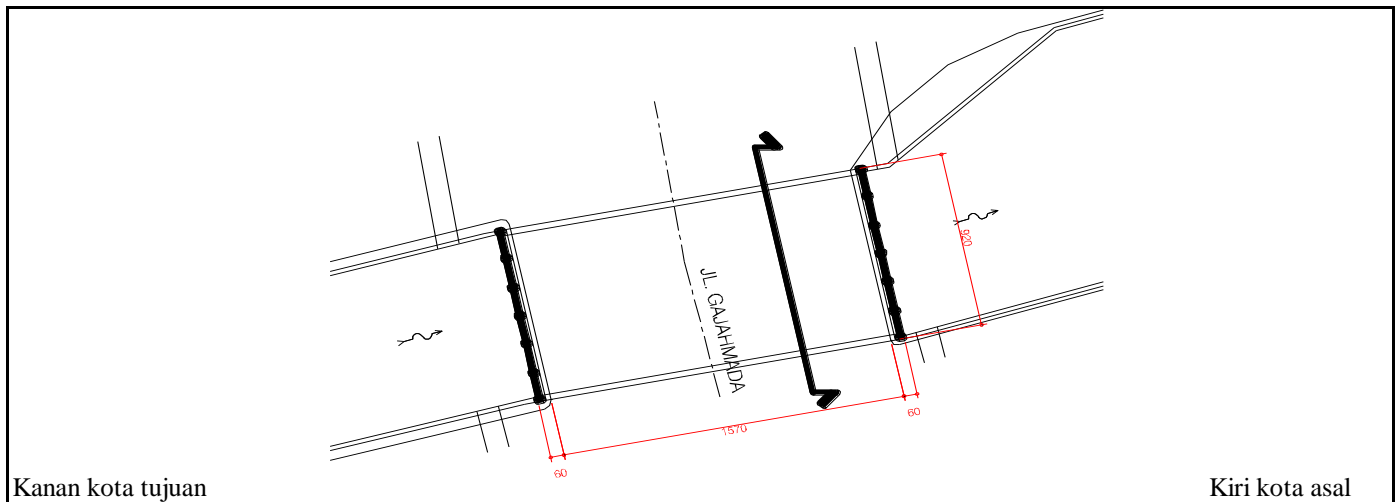
| | | | | | | | | | | | | | | | |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| KT | 3 | 3 | 0 | 7 | 4 | 0 | 1 | 0 | 0 | 1 | 8 | 0 | 0 | 1 | |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|

NAMA JEMBATAN : GAJAHMADA

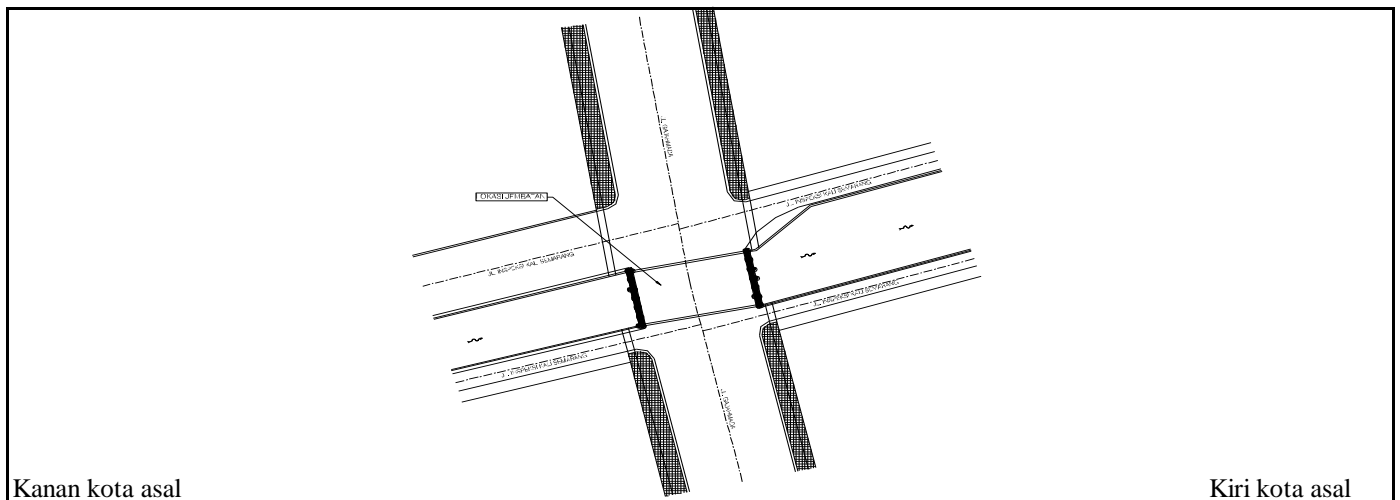
POTONGAN MEMANJANG



TAMPAK ATAS



SITUASI





PEMERINTAH KOTA SEMARANG
DINAS PEKERJAAN UMUM

JL. MADUKORO RAYA NO. 7, TELP. (024) 76433969, FAX. (024) 76433969 KOTA SEMARANG



TAMPAK MEMANJANG



TAMPAK MEMANJANG



TAMPAK MELINTANG



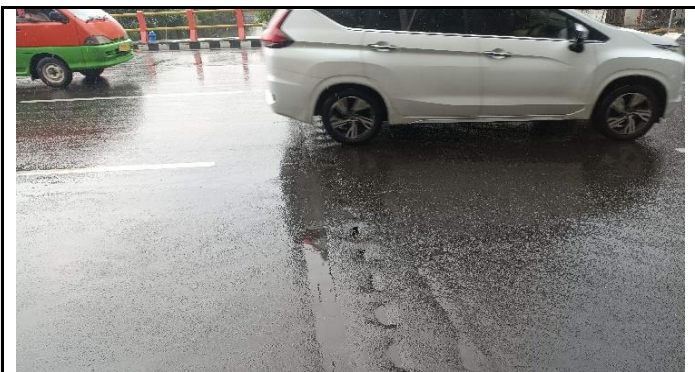
TAMPAK MELINTANG

| NOMOR JEMBATAN | NAMA JEMBATAN | LOKASI (Km) | PANJANG (M) |
|-----------------------|----------------------|--------------------|--------------------|
| KT.33.074.01.0018.001 | GAJAHMADA | 0+740 | 9,20 |

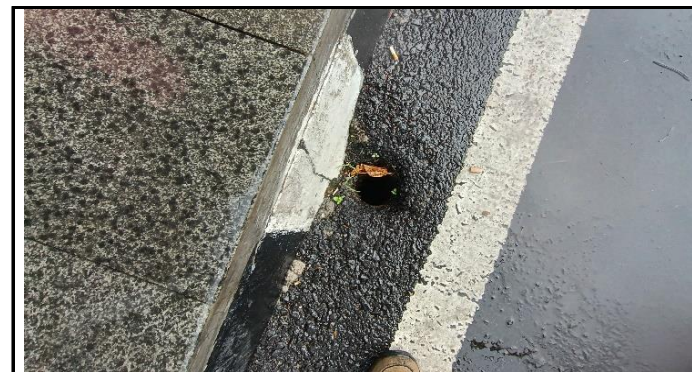


**PEMERINTAH KOTA SEMARANG
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KERUSAKAN PADA EXPANTION JOINT



PIPA CUCURAN AIR MASIH BERFUNGSI



UTILITAS PIPA AIR MINUM



KONDISI BANGUNAN BAWAH

| NOMOR JEMBATAN | NAMA JEMBATAN | LOKASI (Km) | PANJANG (M) |
|-----------------------|----------------------|--------------------|--------------------|
| KT.33.074.01.0018.001 | GAJAHMADA | 0+740 | 9,20 |



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**FORM DETAIL JEMBATAN
Ruas Jalan
GAJAHMADA**

NO JEMBATAN : KT.33.074.01.0018.001
NAMA JEMBATAN : GAJAHMADA
TAHUN ANGGARAN : 2024



LAPORAN PEMERIKSAAN DETAIL JEMBATAN

No. Jembatan Ruas Jalan Kabupaten dan Kota

| | | | | | | | | | | | | | | | |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KT | 3 | 3 | 0 | 7 | 4 | 0 | 1 | 0 | 0 | 1 | 8 | 0 | 0 | 1 | 0 |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | |
|--------------------------------------|--|-----------|---------|--------------|--------------------------------------|------------------------------------|
| Nama Jembatan | GAJAHMADA | | | | Propinsi / Kabupaten / Kota Semarang | |
| Lokasi Jembatan | Koordinat Awal : | -6,980524 | LS | 110,421284 | BT | Dari (Kota Asal/Km.No) : SMG |
| | Koordinat Akhir : | -6,980524 | LS | 110,421284 | BT | Km. (Jarak dari kota asal) : 0+740 |
| Tanggal Pemeriksaan 07 March 2024 | Nama Pemeriksa / NIP GENDUT SUMANTO | | | | Tahun Pembangunan | |
| Nilai Traffic : | 0.691256 | LHR : | 3056.88 | Tahun : 2019 | | |

USULAN PEMERIKSAAN KHUSUS

| | | |
|--------------------------------------|----|--------------|
| Apakah tindakan darurat disarankan ? | Ya | Tidak |
|--------------------------------------|----|--------------|

Elemen elemen yang memerlukan Pemeriksaan Khusus

| Kode | Elemen Uraian | Lokasi | | | | Alasan untuk melakukan pemeriksaan khusus |
|------|------------------|--------|---|---|---|---|
| | | A/P/B | X | Y | Z | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

TINDAKAN DARURAT

| | | |
|--------------------------------------|----|--------------|
| Apakah tindakan darurat disarankan ? | Ya | Tidak |
|--------------------------------------|----|--------------|

Elemen elemen yang memerlukan Tindakan Darurat

| Kode | Elemen Uraian | Lokasi | | | | Alasan untuk melakukan pemeriksaan khusus |
|------|------------------|--------|---|---|---|---|
| | | A/P/B | X | Y | Z | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Hanya untuk keperluan kantor

| | |
|--|------------------------|
| Tanggal memasukkan Data Pemeriksaan Inventarisasi 21 March 2024 | Oleh : WAHYU DWI S. |
|--|------------------------|

LAPORAN PEMERIKSAAN MENDETAIL JEMBATAN

DAFTAR KERUSAKAN UNTUK LEVEL 3-5

| | | | | | | | | | | | | | | | | | | |
|--------------|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|
| No. Jembatan | KT | 3 | 3 | 0 | 7 | 4 | 0 | 1 | 0 | 0 | 1 | 8 | 0 | 0 | 1 | | | |
|--------------|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|

EVALUASI ELEMEN

| Elemen | Kode | Uraian Level 2 (pilihan) | Elemen | Kode | Uraian Level 3 (pilihan) | Kode | Uraian (pilihan) | Kode | Uraian (pilihan) | Lokasi | | | | | | | | | | | | | | | | | | | |
|--------|---|--------------------------|---------------------------------------|-------|---|------|---|------|------------------|---------------|---|---|---|---|---------------|---|---|---|---|---------|---|---|---|--|--|--|--|--|--|
| | | | | | | | | | | Level 5 | | | | | | | | | | Level 4 | | | | | | | | | |
| | | | | | | | | | | Nilai Kondisi | | | | | Nilai Kondisi | | | | | | | | | | | | | | |
| A/P/B | X | Y | Z | S | R | K | F | P | NK | S | R | K | F | P | NK | | | | | | | | | | | | | | |
| 2.100 | Jalan Pendekat | 3.110 | Perkerasan Jalan Pendekat | 4.111 | Perkerasan Fleksibel Jalan Pendekat | | | | | | | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | | | | | | |
| | | | | 4.112 | Perkerasan Kaku Jalan Pendekat | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.113 | Pelat Injak | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.114 | Sleeper Slab | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.115 | Drainase Perkerasan | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3.120 | Tanah Timbunan | 4.121 | Tanah Timbunan | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.122 | Timbunan Ringan | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.123 | Geosintetik | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.124 | Drainase Tanah Timbunan | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3.130 | Struktur Penahan Tanah Jalan Pendekat | 4.131 | Dinding Penahan Tanah | 101 | Penurunan mutu bata atau batu, atau keretakan | | | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | | | | | | |
| | | | | 4.132 | Tanah Bertulang/Mechanically Stabilized Earth (MSE) | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.133 | Drainase Struktur Penahan Tanah | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.134 | Soil nailing | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3.140 | Pengaman lalu - lintas | 4.141 | Tiang Pengaman Jalan Pendekat | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.142 | Pagar Pengaman/Guardrail Jalan Pendekat | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.200 | Aliran Sungai | 3.210 | Aliran Sungai | 4.211 | tebing sungai | 101 | Penurunan mutu bata atau batu, atau keretakan | | | 1 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 2 | | | | | | | | |
| | | | | 4.212 | aliran air utama | 502 | Penumpukan debris dan hambatan aliran sungai | | | 1 | 0 | 1 | 0 | 1 | 3 | 1 | 0 | 1 | 0 | 1 | 3 | | | | | | | | |
| | | | | 4.213 | daerah genangan banjir | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3.220 | Bangunan Pengaman | 4.221 | Pengaman Aliran Sungai | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.222 | Pengaman Tebing Sungai | 101 | Penurunan mutu bata atau batu, atau keretakan | | | 1 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 2 | | | | | | | | |
| | | | | 4.223 | Pengaman Bangunan Bawah | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.224 | Perkuatan bangunan Pengaman | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.300 | Bangunan Bawah | 3.310 | Pondasi | 4.311 | Fondasi Tiang | | | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | | | | | | | | | | |
| | | | | 4.312 | Fondasi Sumuran | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.313 | Fondasi Langsung | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.314 | Pondasi Balok Pelengkung | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.315 | Sambungan Fondasi dan Lainnya | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.316 | Perkuatan Fondasi | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.317 | Struktur jembatan apung | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3.320 | Kepala Jembatan/Pilar | 4.321 | Balok Fondasi | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.322 | Dinding kepala jembatan / pilar | | | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | | | | | | | | | | | |
| | | | | 4.323 | Balok Kepala Jembatan/Pilar | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.324 | Struktur pengaku | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.325 | Sambungan kepala jembatan / pilar | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.326 | Perkuatan bangunan bawah | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.327 | Drainase Kepala jembatan / pilar | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.400 | Bangunan Atas | 3.410 | Sistem Gelagar | 4.411 | Gelagar utama | | | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | | | | | | | | | | |
| | | | | 4.412 | Diafragma | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.413 | Pengaku gelagar baja | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.414 | Perkuatan gelagar | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.415 | Sambungan gelagar | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.416 | Drainase Gelagar | | | | | | | | | | | | | | | | | | | | | | | | |

| LEVEL 3 | | Nilai Kondisi | | | | | |
|---------|---|---------------|---|---|---|---|----|
| Kode | Elemen | S | R | K | F | P | NK |
| 3.110 | Perkerasan Jalan Pendekat | 1 | 0 | 0 | 0 | 0 | 1 |
| 3.120 | Tanah Timbunan | - | - | - | - | - | - |
| 3.130 | Struktur Penahan Tanah Jalan Pendekat | 1 | 0 | 0 | 0 | 0 | 1 |
| 3.140 | Pengaman lalu-lintas | - | - | - | - | - | - |
| 3.210 | Aliran Sungai | 1 | 0 | 1 | 0 | 1 | 3 |
| 3.220 | Bangunan Pengaman | 1 | 1 | 0 | 0 | 0 | 2 |
| 3.310 | Fondasi | 1 | 0 | 0 | 0 | 0 | 1 |
| 3.320 | Kepala Jembatan/Pilar | 1 | 0 | 0 | 0 | 0 | 1 |
| 3.410 | Sistem Gelagar | 1 | 0 | 0 | 0 | 0 | 1 |
| 3.420 | Jembatan Pelat | - | - | - | - | - | - |
| 3.430 | Pelengkung | - | - | - | - | - | - |
| 3.440 | Balok Pelengkung | - | - | - | - | - | - |
| 3.450 | Rangka | - | - | - | - | - | - |
| 3.460 | Jembatan Beruji Kabel (<i>Cable-Stayed</i>) | - | - | - | - | - | - |
| 3.470 | Jembatan Gantung | - | - | - | - | - | - |
| 3.480 | Pilon | - | - | - | - | - | - |
| 3.490 | Gelagar Boks | - | - | - | - | - | - |
| 3.500 | Sistem Lantai | 1 | 0 | 0 | 0 | 0 | 1 |
| 3.600 | Sambungan / Siar muai | 1 | 1 | 1 | 0 | 0 | 3 |
| 3.610 | Perletakan | - | - | - | - | - | - |
| 3.620 | Pengaman Pengguna Jalan | 0 | 0 | 0 | 0 | 0 | 0 |
| 3.630 | Perlengkapan Aerodinamik Jembatan | - | - | - | - | - | - |
| 3.710 | Perlengkapan Umum | - | - | - | - | - | - |
| 3.720 | Penerangan | - | - | - | - | - | - |
| 3.730 | Utilitas | 0 | 0 | 0 | 0 | 0 | 0 |
| 3.740 | Pengaman struktur dan lingkungan | - | - | - | - | - | - |
| 3.750 | SMKS (Sistem Monitoring Kesehatan Jembatan) | - | - | - | - | - | - |
| 3.760 | Perlengkapan Jembatan Gerak/ <i>moveable bridge</i> | - | - | - | - | - | - |
| 3.770 | Fasilitas Pemeriksaan Tetap | - | - | - | - | - | - |
| 3.810 | Tanah di dalam struktur Gorong-gorong | - | - | - | - | - | - |
| 3.820 | Gorong - gorong persegi Boks | - | - | - | - | - | - |
| 3.830 | Gorong - gorong pipa | - | - | - | - | - | - |
| 3.840 | Gorong - gorong Pelengkung Baja Gelombang | - | - | - | - | - | - |
| 3.850 | Struktur Pendukung Gorong-gorong | - | - | - | - | - | - |
| 3.860 | Perkuatan gorong - gorong | - | - | - | - | - | - |
| 3.910 | Lintasan dengan perkerasan | - | - | - | - | - | - |
| 3.920 | Lintasan alam (tanpa perkerasan) | - | - | - | - | - | - |
| 3.930 | Lintasan dengan struktur semi - permanen | - | - | - | - | - | - |

| LEVEL 2 | | Nilai Kondisi | | | | | |
|---------|--------|---------------|---|---|---|---|----|
| Kode | Elemen | S | R | K | F | P | NK |

| Elemen | | Elemen | | Elemen | | Kerusakan | | Lokasi | | | | | Level 5 | | | | | Level 4 | | | | | | |
|--------|--------------------------|--------|---|--------|---|-----------|---|--------|---|---|---|---|---------|---|---|---|----|---------|---|---|---|---|----|---|
| Kode | Uraian Level 2 (pilihan) | Kode | Uraian Level 3 (pilihan) | Kode | Uraian (pilihan) | Kode | Uraian (pilihan) | A/P/B | X | Y | Z | S | R | K | F | P | NK | S | R | K | F | P | NK | |
| | | | | 4.515 | Perkuatan Sistem Lantai | | | | | | | | | | | | | | | | | | | |
| | | | | 4.516 | Link Slab | | | | | | | | | | | | | | | | | | | |
| | | | | 4.517 | Drainase Lantai | 711 | Pipa cururan dan drainase lantai yang tersumbat | | | | | 1 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 1 | 2 | |
| | | 3.600 | Sambungan/Siar Muai | 4.601 | Sambungan/Siar Muai Baja (tipe gergaji) | 806 | Retak aspal akibat pergerakan sambungan (tipe Asphaltic Plug Joint) | | | | | 1 | 1 | 0 | 1 | 0 | 3 | 1 | 1 | 0 | 1 | 0 | 3 | |
| | | | | 4.602 | Sambungan/Siar Muai Baja Siku Profil Terbuka | | | | | | | | | | | | | | | | | | | |
| | | 3.610 | Landasan/Perletakan | 4.611 | Landasan | | | | | | | | | | | | | | | | | | | |
| | | | | 4.612 | Peredam Pasif/Damping Struktur | | | | | | | | | | | | | | | | | | | |
| | | | | 4.613 | Peredam Aktif Struktur | | | | | | | | | | | | | | | | | | | |
| | | | | 4.614 | Pendukung landasan | | | | | | | | | | | | | | | | | | | |
| | | | | 4.615 | Penahan pergerakan landasan | | | | | | | | | | | | | | | | | | | |
| | | | | 4.616 | Ikatan / Perletakan Lainnya | | | | | | | | | | | | | | | | | | | |
| | | 3.620 | Pengaman Pengguna Jalan | 4.621 | Struktur Sandaran Railling | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 4.622 | Struktur tembok | | | | | | | | | | | | | | | | | | | |
| | | | | 4.623 | Pembatas lainnya | | | | | | | | | | | | | | | | | | | |
| | | 3.630 | Perlengkapan Aerodinamik Jembatan | 4.631 | Perlengkapan Aerodinamik Bangunan Atas | | | | | | | | | | | | | | | | | | | |
| | | | | 4.632 | Perlengkapan Aerodinamik Permukaan Kabel Jembatan | | | | | | | | | | | | | | | | | | | |
| | | | | 4.633 | Wind Barrier | | | | | | | | | | | | | | | | | | | |
| 2.700 | Perlengkapan | 3.710 | Perlengkapan Umum | 4.711 | Perangkat Pengendali Lalu Lintas | | | | | | | | | | | | | | | | | | | |
| | | | | 4.712 | Penanda Jembatan | | | | | | | | | | | | | | | | | | | |
| | | | | 4.713 | Penunjang Perlengkapan | | | | | | | | | | | | | | | | | | | |
| | | | | 4.714 | Struktur Penutup Jembatan | | | | | | | | | | | | | | | | | | | |
| | | | | 4.715 | Pendukung sandaran / median | | | | | | | | | | | | | | | | | | | |
| | | | | 4.721 | Sistem penerangan | | | | | | | | | | | | | | | | | | | |
| | | 3.720 | Penerangan | 4.721 | Sistem penerangan | | | | | | | | | | | | | | | | | | | |
| | | | | 4.722 | Struktur Tiang Pengaman | | | | | | | | | | | | | | | | | | | |
| | | | | 4.723 | Penunjang Penerangan | | | | | | | | | | | | | | | | | | | |
| | | 3.730 | Utilitas | 4.731 | Utilitas Kabel Listrik | | | | | | | | | | | | | | | | | | | |
| | | | | 4.732 | Utilitas Pipa Air Minum | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | 4.733 | Utilitas Kabel Telekomunikasi | | | | | | | | | | | | | | | | | | | |
| | | | | 7.734 | Utilitas Pipa Air Kotor | | | | | | | | | | | | | | | | | | | |
| | | | | 4.735 | Utilitas Pipa Pembawa Bahan Energi lainnya | | | | | | | | | | | | | | | | | | | |
| | | | | 7.736 | Sambungan utilitas | | | | | | | | | | | | | | | | | | | |
| | | | | 4.737 | Dudukan utilitas | | | | | | | | | | | | | | | | | | | |
| | | 3.740 | Pengaman Struktur dan Jalan Lingkungan | 4.741 | Perangkat Pengendali Kelembaban | | | | | | | | | | | | | | | | | | | |
| | | | | 4.742 | Perangkat Penangkal Petir | | | | | | | | | | | | | | | | | | | |
| | | | | 4.743 | Perangkat Perlindungan Korosi dan Biota Laut | | | | | | | | | | | | | | | | | | | |
| | | | | 4.744 | Lubang Ventilasi | | | | | | | | | | | | | | | | | | | |
| | | | | 4.745 | Penutup Lubang Ventilasi | | | | | | | | | | | | | | | | | | | |
| | | 3.750 | SMKS (Sistem Monitoring Kesehatan Jembatan) | 4.751 | Sensor Struktur | | | | | | | | | | | | | | | | | | | |
| | | | | 4.752 | Perangkat Pengukur Beban Kendaraan | | | | | | | | | | | | | | | | | | | |
| | | | | 4.753 | Sensor pengukur Beban Kendaraan | | | | | | | | | | | | | | | | | | | |
| | | | | 4.754 | Pendukung lainnya | | | | | | | | | | | | | | | | | | | |
| | | 3.760 | Perlengkapan Jembatan Gerak / moveable bridge | 4.755 | Perangkat Penyalur Data | | | | | | | | | | | | | | | | | | | |
| | | | | 4.761 | Sistem penggerak fungsional | | | | | | | | | | | | | | | | | | | |
| | | | | 4.762 | Sistem Elektrik | | | | | | | | | | | | | | | | | | | |
| | | | | 4.763 | Sistem Hidrolik | | | | | | | | | | | | | | | | | | | |
| | | | | 4.764 | Sistem Mekanis | | | | | | | | | | | | | | | | | | | |
| | | 3.770 | Fasilitas Pemeriksaan Tetap | 4.771 | Tangga / Platform Pemeriksaan | | | | | | | | | | | | | | | | | | | |
| | | | | 4.772 | Lubang Masuk (gelagar, kolom) | | | | | | | | | | | | | | | | | | | |
| | | | | 4.773 | Traveler | | | | | | | | | | | | | | | | | | | |
| 2.800 | gorong - gorong | 3.810 | Tanah di dalam struktur Gorong - gorong | 4.811 | Tanah timbunan di atas gorong - gorong | | | | | | | | | | | | | | | | | | | |
| | | | | 4.812 | Tanah dasar di bawah struktur gorong - gorong | | | | | | | | | | | | | | | | | | | |

| LEVEL 3 | | Nilai Kondisi | | | | | |
|---------|--------|---------------|---|---|---|---|----|
| Kode | Elemen | S | R | K | F | P | NK |

| Elemen | | Elemen | | Elemen | | Kerusakan | | Lokasi | | | | | | | | | | Level 5 | | | | | | | | | | Level 4 | | | | | | | | | |
|--------|--------------------------|--------|---|--------|---|-----------|------------------|--------|---|---|---|---|---|---|---|---|----|---------|---|---|---|---|----|---|---|---|---|---------|----|--|--|--|--|--|--|--|--|
| Kode | Uraian Level 2 (pilihan) | Kode | Uraian Level 3 (pilihan) | Kode | Uraian (pilihan) | Kode | Uraian (pilihan) | A/P/B | X | Y | Z | S | R | K | F | P | NK | S | R | K | F | P | NK | S | R | K | F | P | NK | | | | | | | | |
| | | 3.820 | Gorong - gorong Persegi Boks | 4.821 | Dinding Tegak | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.822 | Pelat Bawah | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.823 | Pelat Atas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.824 | Drainase Gorong - gorong Persegi Boks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3.830 | Gorong - gorong Pipa | 4.831 | Dinding penahan tanah timbunan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.832 | Drainase Gorong - gorong Pipa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Gorong - gorong Pelengkung Baja Gelombang | 4.841 | Pelat Baja Gelombang | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.842 | Sambungan / Baut pengikat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.843 | Fondasi / Pelat Beton Dudukan Pelengkung Baja Gelombang | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.844 | Drainase Gorong gorong Pelengkung Baja Bergelombang | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3.850 | Struktur Pendukung Gorong - gorong | 4.851 | Tembok Sayap | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.852 | Tembok Kepala (Head wall) Gorong-gorong | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.853 | Tembok Bawah (Drop wall) Gorong-gorong | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.854 | Apron | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3.860 | Perkuatan Gorong - gorong | 4.861 | Perkuatan dengan Lapisan Beton Tambahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.862 | Perkuatan dengan FRP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.863 | Perkuatan dengan Lapisan Baja Tambahan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2.900 | Struktur Lintasan | 3.910 | Lintasan dengan Perkerasan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 3.920 | Lintasan Alam (tanpa perkerasan) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 3.930 | Lintasan dengan struktur semi - permanen | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| LEVEL 3 | | Nilai Kondisi | | | | | |
|---------|--------|---------------|---|---|---|---|----|
| Kode | Elemen | S | R | K | F | P | NK |
| | | | | | | | |



**PEMERINTAH KOTA SEMARANG
DINAS PEKERJAAN UMUM**

JL. MADUKORO RAYA NO. 7, TELP. (024) 76433969, FAX. (024) 76433969 KOTA SEMARANG

NO. JEMBATAN

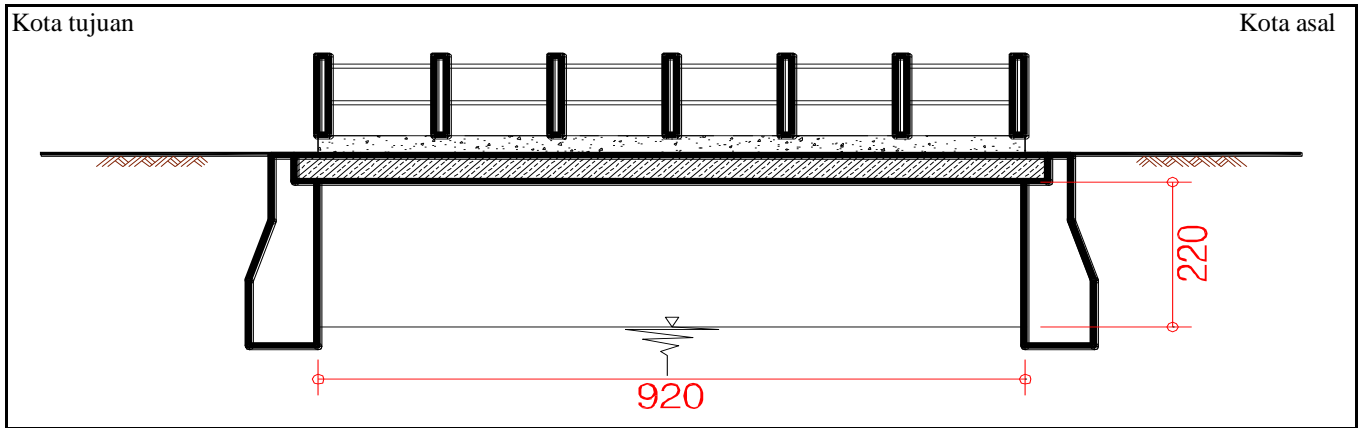
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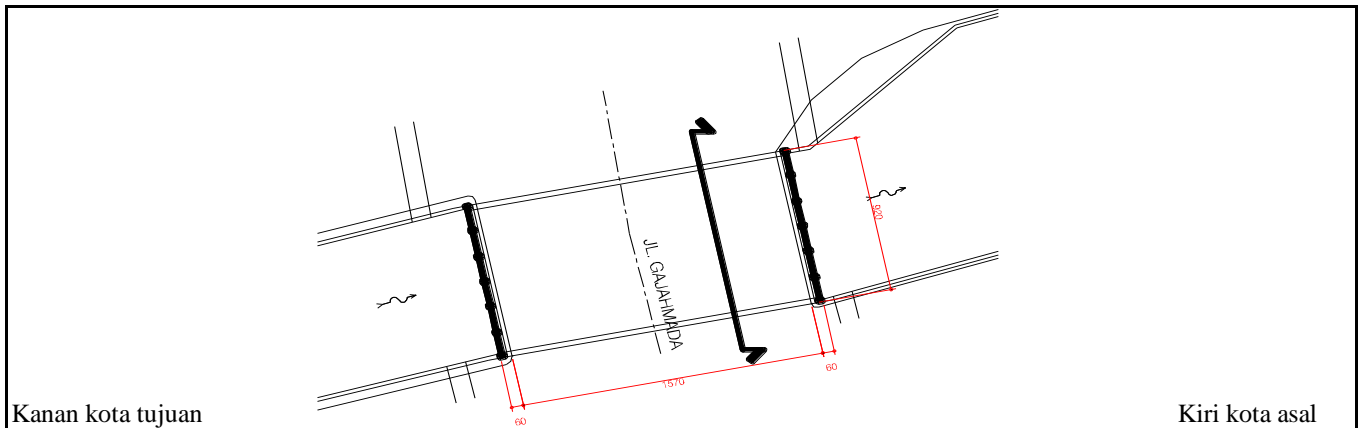
NAMA JEMBATAN

: GAJAHMADA

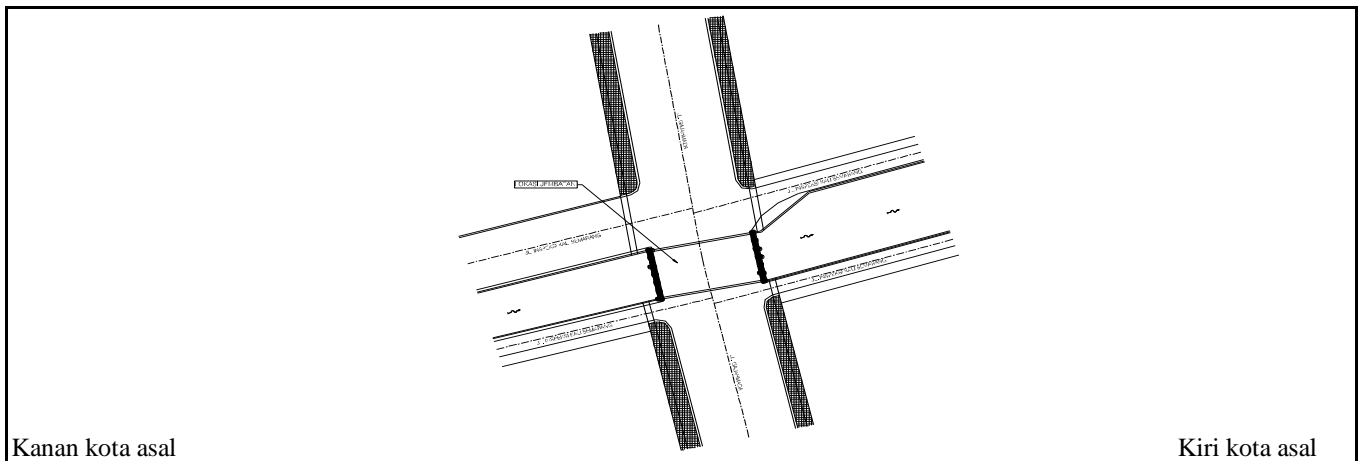
POTONGAN MEMANJANG



TAMPAK ATAS



SITUASI





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TAMPAK MEMANJANG



TAMPAK MEMANJANG



TAMPAK MELINTANG



TAMPAK MELINTANG

| NOMOR JEMBATAN | NAMA JEMBATAN | LOKASI (Km) | PANJANG (M) |
|-----------------------|---------------|---------------|---------------|
| KT.33.074.01.0018.001 | GAJAHMADA | 0+740 | 9,20 |



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KERUSAKAN PADA EXPANTION JOINT



PIPA CUCURAN AIR MASIH BERFUNGSI



UTILITAS PIPA AIR MINUM



KONDISI BANGUNAN BAWAH

| NOMOR JEMBATAN | NAMA JEMBATAN | LOKASI (Km) | PANJANG (M) |
|-----------------------|---------------|-------------|-------------|
| KT.33.074.01.0018.001 | GAJAHMADA | 0+740 | 9,20 |