



PEMERINTAH KOTA SEMARANG
DINAS PEKERJAAN UMUM

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

FORM INVENTARISASI JEMBATAN
Ruas Jalan
PASAR WARU

NO JEMBATAN : KT.33.074.04.0019.001

NAMA JEMBATAN : PASAR WARU

TAHUN ANGGARAN : 2024



PEMERINTAH KOTA SEMARANG
DINAS PEKERJAAN UMUM

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

SISTEM
MANAJEMEN
JEMBATAN



LAPORAN PEMERIKSAAN INVENTARISASI JEMBATAN

No. Jembatan Ruas Jalan Kabupaten dan Kota

| | | | | | | | | | | | | | | | |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| KT | 3 | 3 | 0 | 7 | 4 | 0 | 4 | 0 | 0 | 1 | 9 | 0 | 0 | 1 | |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|

| | | | | | | |
|-----------------------------------|--|------------|-------|-------------|--------------------------------------|------------------------------------|
| Nama Jembatan | PASAR WARU | | | | Propinsi / Kabupaten / Kota Semarang | |
| Lokasi Jembatan | Koordinat Awal : | -6,9603140 | LS | 110,4481860 | BT | Dari (Kota Asal/Km.NoI) : SMG |
| | Koordinat Akhir : | -6,9603140 | LS | 110,4481860 | BT | Km. (Jarak dari kota asal) : 0+280 |
| Tanggal Pemeriksaan 19/03/2024 | Nama Pemeriksa / NIP GENDUT SUMANTO | | | | Tahun Pembangunan 2011 | |
| Nilai Lalu - Lintas : | 0.556742 | LHR : | 2.346 | Tahun : | | 2019 |

INFORMASI PEMBANGUNAN JEMBATAN

| | | | |
|----|--|---|-------------------------|
| 1 | Tanggal / Bulan / Tahun pembangunan jembatan / pengoperasian pertama kali | : | 2011 |
| 2 | Tanggal / Bulan / Tahun pelebaran/rehabilitasi/perkuatan jembatan / pengoperasian pertama kali | : | - |
| 3 | Tanggal / Bulan / Tahun serah terima aset | : | 2011 |
| 4 | Penanggung jawab pembangunan (Satker/PPK) | : | - |
| 5 | Penanggung jawab pelebaran/rehabilitasi/perkuatan jembatan (Satker/PPK) | : | - |
| 6 | Biaya perencanaan | : | - |
| 7 | Biaya pembangunan | : | Rp 66.630.000,00 |
| 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 |
| 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 31/03/2024 | Oleh : WAHYU DWI S |



PEMERINTAH KOTA SEMARANG
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INFORMASI KAPASITAS MUATAN

| | | | |
|--|---|-----------|-------|
| 1 Batasan muatan sumbu terberat MST | : | 8 | ton |
| 2 Beban maksimum yang pernah di atas jembatan | : | 8 | ton |
| 3 Jenis kendaraan berat yang umum lewat di atas jembatan | : | TRUK | |
| 4 Tindakan darurat yang sedang/pernah dilakukan di atas jembatan | : | E | |
| 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 | | 1000 | m |

INFORMASI KAPASITAS LALU LINTAS

| | | | |
|--|---|----------|---|
| 1 Lalu - lintas harian rata-rata tahunan (LHR) AADT | : | 2345,724 | |
| 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>) | : | 2,4 | m |

INFORMASI BATASAN PERLINTASAN DAN LINGKUNGAN

| | | | |
|---|---|-----|---|
| 1 Tinggi muka air banjir terhadap bagian atas lantai jembatan | : | 0,6 | m |
| 2 Tinggi muka air banjir terhadap elevasi perletakan jembatan | : | - | m |
| 3 Tinggi muka air banjir terhadap elevasi terbawah bangunan atas jembatan | : | 0,3 | 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 |



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KODE-KODE PEMERIKSAAN INVENTARISASI JEMBATAN

| Tipe Lintasan | | JN (jalan) | SL (sungai lurus) | SM (sungai meander) | SB (sungai berjaln) | S/T (selat atau teluk) | KA (Kereta Api) | L (lain-lain) | | | | |
|------------------------------------|---|-----------------------|-----------------------------------|---------------------|--------------------------------------|------------------------|------------------------------------|---------------|-----------------------------|-----------------------|---|--|
| A. TBA (Tipe Bangunan Atas) | | B. BHN (Bahan) | | | C1. SBA (Sifat Bangunan Atas) | | C2. Keterangan Detail | | D. TF (Tipe Fondasi) | | E. KJP (Kepala Jembatan/Pilar) | |
| B | gorong-gorong persegi | K | Kayu | P | Permanen | A | Australia | CA | Cakar Ayam | A | Cap (Kepala tiang) | |
| Y | gorong-gorong pipa | S | Pasangan bata | S | Semi Permanen | T | Australia (Sementara) | LS | Langsung | B | Dinding penuh | |
| A | gorong-gorong pelengkung | M | Pasangan batu | W | Darurat | B | Belanda (tipe baru) | TP | Tiang Pancang | K | Kepala jembatan khusus | |
| T | gantung | G | Bronjong dan sejenisnya | X | Tidak ada struktur | D | Belanda (tipe lama) | PB | Tiang Bor | | | |
| C | Jembatan Gantungan / Beruji Kabel (Cable Stayed) | H | Pasangan batu kosong | M | Bergerak | I | Indonesia | TU | Tiang Ulir | | | |
| G | gelagar | D | Beton tak bertulang | F | Apung | J | Jepang | SU | Sumuran | Pilar | | |
| M | gelagar komposit | T | Beton bertulang | | | R | Austria | LL | Lain-lain | C | Cap (kepala tiang) | |
| O | Gelagar Boks | P | Beton pratekan | | | E | Spanyol | | | P | Dinding penuh | |
| Q | Gelagar tipe U | B | Baja | | | U | Callender Hamilton (UK/Inggris) | PILON | | S | Satu kolom | |
| L | balok pelengkung | U | Pelat baja gelombang | | | W | Acrow/Bailey | A | Tipe A | D | Dua kolom | |
| E | pelengkung | Y | Komposit Baja - beton | | | | | D | Tipe Diamond | T | Tiga atau lebih kolom | |
| D | Flat Slab | J | Alumunium | | | | | H | Tipe H | L | Lain-lain | |
| V | Voided Slab | E | Neoprene / karet | | | | | I | Tipe Tunggal / I | V | Tipe V | |
| R | rangka | F | Teflon | | | | | Y | Tipe Y | Tiang Sandaran | | |
| P | Pelat | V | PVC | | | | | V | Tipe V terbuka | TB | tiang beton sandaran baja | |
| F | ferry | N | geotextile | | | | | W | Tipe Double I | BB | tiang baja sandaran baja | |
| K | lintasan kereta api | O | Tanah biasa/lempung atau timbunan | | | | | | | DB | dinding bagian bawah + sandaran baja | |
| W | lintasan basah | A | Aspal | | | | | | | DD | Sandaran/Median beton bertulang | |
| U | lain-lain | R | kerikil/pasir | | | | | | | KK | tiang kayu sandaran kayu | |
| | | W | Macadam | | | | | | | | | |
| | | X | Bahan asli | | | | | | | | | |
| | | L | Lain-lain | | | | | | | | | |

Catatan :
*Asal produksi jembatan,
apabila diketahui pasti, dari
pemeriksaan detail dapat
dituliskan atau diganti dengan
sifat apabila tidak pasti*



LAPORAN PEMERIKSAAN INVENTARISASI JEMBATAN

Sistem Manajemen Jembatan

Nama Jembatan : PASAR WARU

Tipe Lintasan (pilih JN, SL, SM, SB, S/T, KA, L) : JN SL SM SB S/T KA L Jumlah Bentang : 1 Panjang Total (m) : 7,50 Bentang Terpanjang (m) : 7,50

| Bangunan Atas (2.400) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|--------------------|----------------|------------------------|-------------------------|------------------------|-------------------|------------------------|------------------------------|-----|-----|---------------|-----|-----|-------------------------|-----|-----|---------------------------------|-----|-----------|---------------------------------------|-----------|-----|---------------------------------|-----|-----------|--------------------|-----------|--------------------------------|-----------|---|-----------|--|-----------|---------------------------|-----------|--------------------|-----------|------------------|-----------|--|-----|--|-----|---|-----|-------------------------------------|-----|-------------------------------------|-----------|-----|-----------------------------------|-----|--------------------------------------|--|--|--|--|--|--|
| No. Bening | Panjang Bening (m) | Jumlah Gelagar | Sudut / skew (derajat) | Kelengkungan/radius (m) | Lebar Lantai Kend. (m) | Lebar Trotoar (m) | Tinggi Ruang Bebas (m) | Struktur Utama Bangunan Atas | | | Pilon (3.480) | | | Struktur Lantai (4.511) | | | Perkuatan Sistem Lantai (4.515) | | | Lapis Perkuatan Sistem Lantai (4.514) | | | Pengaman Pengguna Jalan (3.620) | | | Perletakan (3.610) | | Sambungan / Stair muai (3.600) | | Perlengkapan Aerodinamik Jembatan (3.630) | | Perkuatan Bangunan Atas (4.414, 4.425, 4.433, 4.446, 4.456, 4.464, 4.475, 4.495) | | Perlengkapan Umum (3.710) | | Penerangan (3.720) | | Utilitas (3.730) | | Pengaman Struktur dan Lingkungan (3.740) | | SMKS (Sistem Monitoring Kesehatan Jembatan (3.750) | | Perlengkapan Jembatan Gerak/moveable bridge (3.760) | | Fasilitas Pemeriksaan Tetap (3.770) | | Gorong-gorong (3.820, 3.830, 3.840) | | | Perkuatan Gorong - gorong (3.850) | | Lintasan Basah (3.910, 3.920, 3.930) | | | | | | |
| | | | | | | | | TBA | BHN | SBA | TIPE | BHN | BHN | BHN | BHN | TBA | BHN | SBA | Kode (L4) | BHN | Kode (L4) | BHN | Kode (L4) | BHN | Kode (L4) | BHN | Kode (L4) | BHN | Kode (L4) | BHN | Kode (L4) | BHN | Kode (L4) | BHN | Kode (L4) | BHN | Kode (L4) | BHN | Kode (L4) | BHN | TBA | BHN | SBA | Kode (L4) | BHN | TBA | BHN | SBA | Kode (L4) | BHN | TBA | BHN | SBA | | | | | | |
| 1 | 7,50 | 4 | - | - | 7,5 | 0,4 | - | G | T | P | - | - | T | T | D | T | B | P | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | | | | | |
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Catatan :
 Pengisian disesuaikan dengan kode elemen dan kode laporan inventarisasi
 L4 adalah elemen pada level 4
 (*) adalah jembatan tipe gelagar

Lebar Total Plat Lantai = = 7,9 m
 Bangunan Atas = = 2 NILAI
 Lantai = = 2 NILAI

| No. Kepala Jembatan / Pilar | Bangunan Bawah (2.300) | | | | | | Aliran Sungai (2.200) | | | | Jalan Pendekat (2.100) | | | | | | | | |
|---|------------------------|-----|-------------------------------|-----|----------------------------------|-----|-----------------------|---------------------------|-------------------|-----------|-----------------------------------|-----------|------------------------|-----------|---|-----------|--------------------------------|-----------|-----|
| | Fondasi (3.310) | | Kepala Jembatan/Pilar (3.320) | | Perkuatan Bangunan Bawah (4.326) | | Tebing Sungai (4.211) | Bangunan Pengaman (3.220) | | | Perkerasan Jalan Pendekat (3.110) | | Tanah Timbunan (3.120) | | Struktur Penahan Tanah Jalan Pendekat (3.130) | | Pengaman Lalu - Lintas (3.140) | | |
| | TIPE | BHN | TIPE | BHN | Kode (L4) | BHN | BHN | Kode (L4) | BHN | Kode (L4) | BHN | Kode (L4) | BHN | Kode (L4) | BHN | Kode (L4) | BHN | Kode (L4) | BHN |
| Kepala Jbt. A1 | LS | M | B | M | - | - | M | 4.222 | M | 4.111 | D | - | - | - | - | - | - | - | - |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Kepala Jbt A.2 | LS | M | B | M | - | - | M | 4.222 | M | 4.111 | D | - | - | - | - | - | - | - | - |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Catatan : Pengisian disesuaikan dengan kode elemen dan kode laporan inventarisasi L4 adalah elemen pada level 4 (*) adalah jembatan tipe gelagar | | | | | Bangunan Bawah = 3 NILAI | | | | Pondasi = 3 NILAI | | | | | | | | | | |



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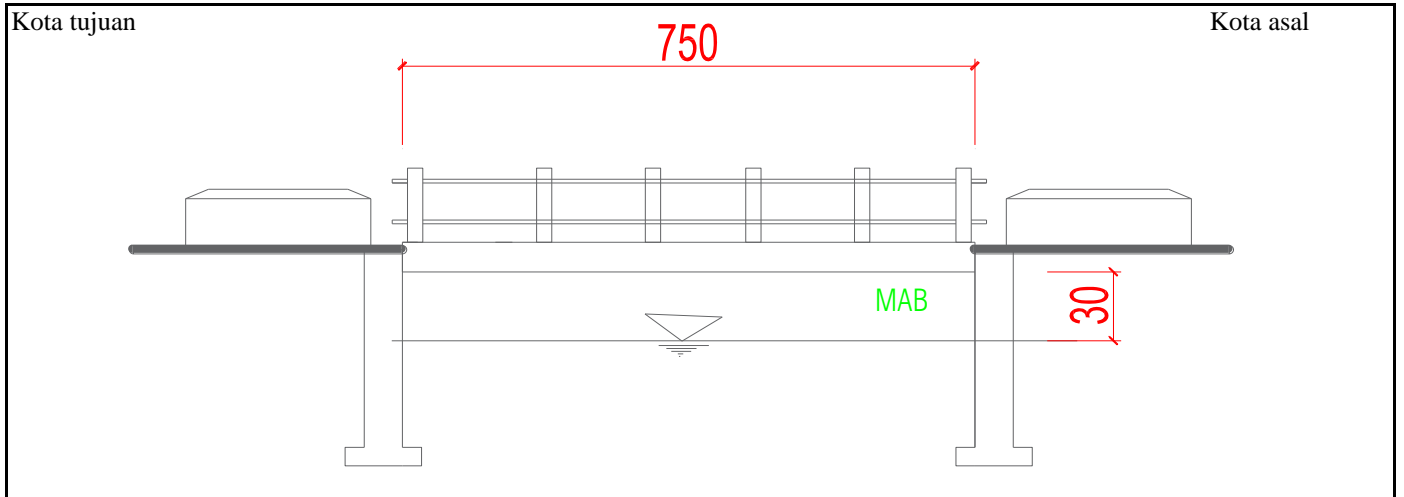
JL. MADUKORO RAYA NO. 7, TELP. (024) 76433969, FAX. (024) 76433969 KOTA SEMARANG

NO. JEMBATAN :

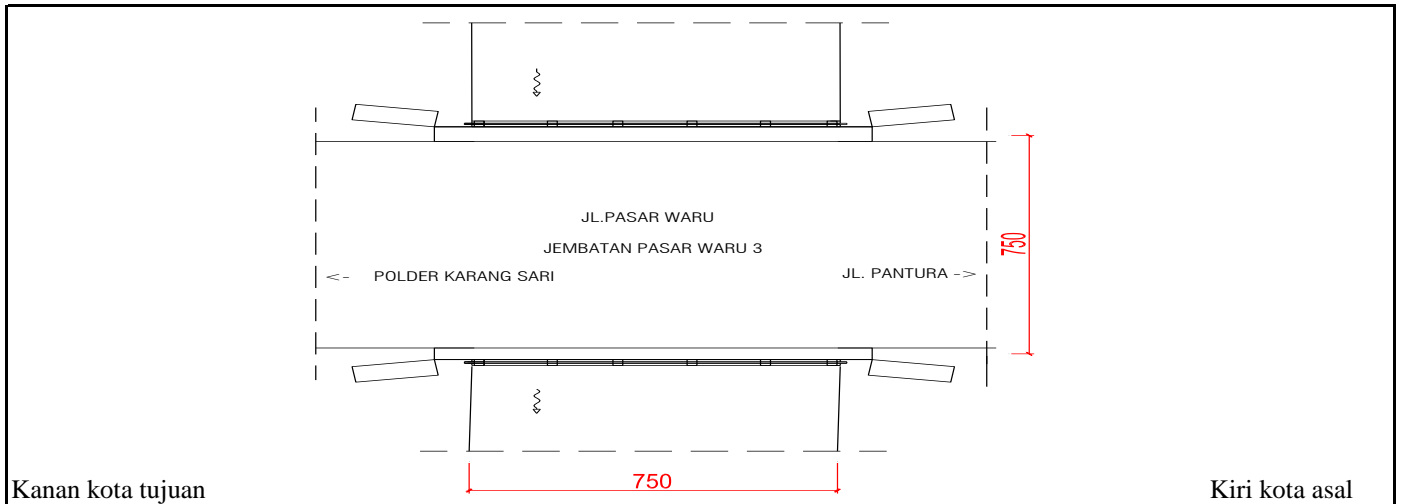
| | | | | | | | | | | | | | | | |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KT | 3 | 3 | 0 | 7 | 4 | 0 | 4 | 0 | 0 | 1 | 9 | 0 | 0 | 1 | 0 |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

NAMA JEMBATAN : PASAR WARU

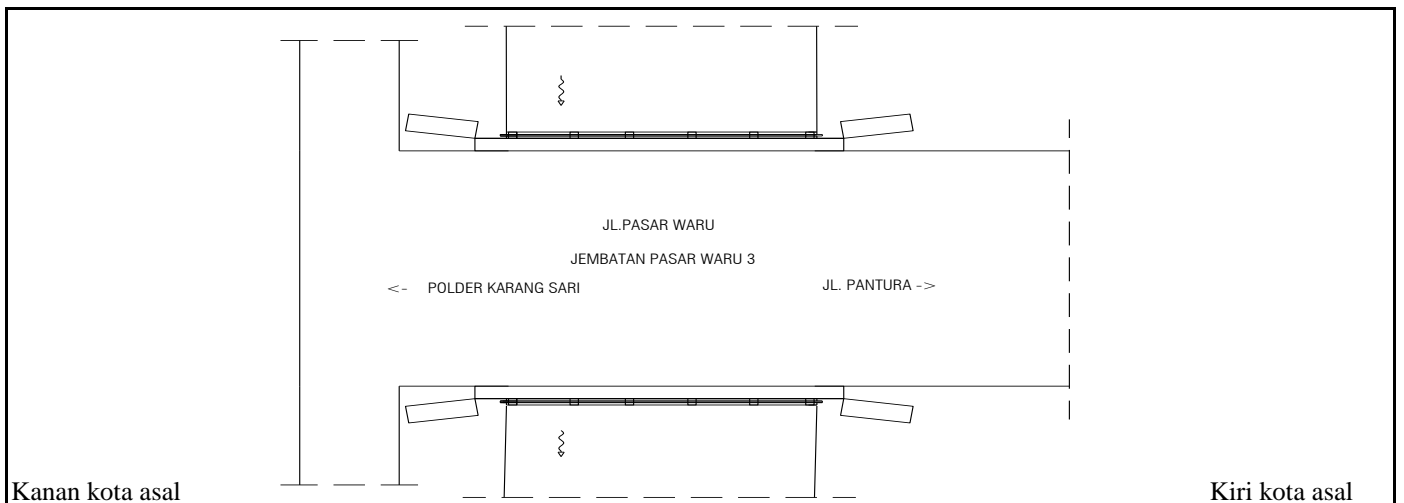
POTONGAN MEMANJANG



TAMPAK ATAS



SITUASI





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TAMPAK MEMANJANG



TAMPAK MEMANJANG



TAMPAK MELINTANG



TAMPAK MELINTANG

| NOMOR JEMBATAN | NAMA JEMBATAN | LOKASI (Km) | PANJANG (M) |
|-----------------------|----------------------|--------------------|--------------------|
| KT.33.074.04.0019.001 | PASAR WARU | 0+280 | 7,50 |



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KERONTOKAN BETON PADA SANDARAN



KERETAKAN PADA SANDARAN



EXXES AFFLUX / SEDIMENTASI PARAH YANG BISA MENYEBABKAN BANJIR



TANAH TIMBUNAN DIATAS JEMBATAN

| NOMOR JEMBATAN | NAMA JEMBATAN | LOKASI (Km) | PANJANG (M) |
|-----------------------|----------------------|--------------------|--------------------|
| KT.33.074.04.0019.001 | PASAR WARU | 0+280 | 7,50 |



**PEMERINTAH KOTA SEMARANG
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**FORM DETAIL JEMBATAN
Ruas Jalan
PASAR WARU**

NO JEMBATAN : KT.33.074.04.0019.001

NAMA JEMBATAN : PASAR WARU

TAHUN ANGGARAN : 2024



LAPORAN PEMERIKSAAN DETAIL JEMBATAN

No. Jembatan Ruas Jalan Kabupaten dan Kota

| | | | | | | | | | | | | | | | |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KT | 3 | 3 | 0 | 7 | 4 | 0 | 4 | 0 | 0 | 1 | 9 | 0 | 0 | 1 | 0 |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | |
|---------------------|----------------------|-----------|-------------|------------|--------------------------------------|------------------------------------|
| Nama Jembatan | PASAR WARU | | | | Propinsi / Kabupaten / Kota Semarang | |
| Lokasi Jembatan | Koordinat Awal : | -6,960314 | LS | 110,448186 | BT | Dari (Kota Asal/Km.No) : SMG |
| | Koordinat Akhir : | -6,960314 | LS | 110,448186 | BT | Km. (Jarak dari kota asal) : 0+280 |
| Tanggal Pemeriksaan | Nama Pemeriksa / NIP | | | | Tahun Pembangunan | |
| 19 March 2024 | GENDUT SUMANTO | | | | 2011 | |
| Nilai Traffic : | 0.556742 | LHR : | 2345,723596 | | 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 | |
| 4.212 | aliran air utama | | | | | Pengikisan di sepanjang aliran sungai (contraction scour) |
| 4.313 | Fondasi Langsung | | | | | Pengikisan di sepanjang aliran sungai (contraction scour) |
| 4.322 | Dinding kepala jembatan / pilar | | | | | Kotor, berlumut, penebaran atau pelapukan beton, rembesan |

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 | Oleh : |
| 31 March 2024 | WAHYU DWIS |

LAPORAN PEMERIKSAAN MENDETAIL JEMBATAN

DAFTAR KERUSAKAN UNTUK LEVEL 3-5

| No. Jembatan | KT | 3 | 3 | 0 | 7 | 4 | 0 | 4 | 0 | 0 | 1 | 9 | 0 | 0 | 1 |
|--------------|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|--------------|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

EVALUASI ELEMEN

| Elemen | Elemen | Elemen | | | | | Kerusakan | | | | | Lokasi | | | | | | | | | | | | | | | |
|--------|---|--------|---------------------------------------|-------|---|------|---|------|---------------------|------|---------------------|---------------|---|---|---|---|---------------|---|---|---|---|---|---|---|---|---|--|
| | | Kode | Uraian Level 2 (pilihan) | Kode | Uraian Level 3 (pilihan) | Kode | Uraian (pilihan) | Kode | Uraian (pilihan) | Kode | Uraian (pilihan) | Level 5 | | | | | Level 4 | | | | | | | | | | |
| | | | | | | | | | | | | Nilai Kondisi | | | | | Nilai Kondisi | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | 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 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 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 | 503 | Pengkikisan di sepanjang aliran sungai (contraction scour) | | | | | 1 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | | | |
| | | | | 4.212 | aliran air utama | 504 | Air sungai macet yang mengakibatkan terjadinya banjir (excess afflux) | | | | | | | 1 | 1 | 1 | 0 | 1 | 4 | 1 | 1 | 1 | 0 | 1 | 4 | | |
| | | | | 4.213 | daerah genangan banjir | | | | | | | | | | | | | | | | | | | | | | |
| | | 3.220 | Bangunan Pengaman | 4.221 | Pengaman Aliran Sungai | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.222 | Pengaman Tebing Sungai | 503 | Pengkikisan di sepanjang aliran sungai (contraction scour) | | | | | | | 1 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 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 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.312 | Fondasi Sumuran | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.313 | Fondasi Langsung | 503 | Pengkikisan di sepanjang aliran sungai (contraction scour) | | | | | | | 1 | 1 | 1 | 0 | 0 | 3 | 1 | 1 | 1 | 0 | 0 | 0 | 3 | |
| | | | | 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 | 204 | Kotor, berlumut, penuaan atau pelapukan beton, rembesan | | | | | | | 1 | 1 | 1 | 0 | 0 | 3 | 1 | 1 | 1 | 0 | 0 | 0 | 3 | |
| | | | | 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 | 204 | Kotor, berlumut, penuaan atau pelapukan beton, rembesan | | | | | 1 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 2 | | | | |
| | | | | 4.412 | Diafragma | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.413 | Pengaku gelagar baja | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.414 | Perkuatan gelagar | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.415 | Sambungan gelagar | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.416 | Drainase Gelagar | | | | | | | | | | | | | | | | | | | | | | |
| | | 3.420 | Jembatan Pelat | 4.421 | pelat beton bertulang | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.422 | Pelat beton pracetak pratekan | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.423 | Kabel prategang melintang | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.424 | Shear key (sambungan antar pelat beton pracetak pratekan - flat slab.) | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.425 | Perkuatan Jembatan Pelat | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.426 | Drainase Jembatan Pelat | | | | | | | | | | | | | | | | | | | | | | |

| 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 | | | | | | - |
| 3.140 | Pengaman lalu-lintas | | | | | | - |
| 3.210 | Aliran Sungai | 1 | 1 | 1 | 0 | 1 | 4 |
| 3.220 | Bangunan Pengaman | 1 | 1 | 0 | 0 | 0 | 2 |
| 3.310 | Fondasi | 1 | 1 | 1 | 0 | 0 | 3 |
| 3.320 | Kepala Jembatan/Pilar | 1 | 1 | 1 | 0 | 0 | 3 |
| 3.410 | Sistem Gelagar | 1 | 1 | 0 | 0 | 0 | 2 |
| 3.420 | Jembatan Pelat | | | | | | - |
| 3.430 | Pelengkung | | | | | | - |
| 3.440 | Balok Pelengkung | | | | | | - |
| 3.450 | Rangka | | | | | | - |
| 3.460 | Jembatan Beruji Kabel (Cable-Stayed) | | | | | | - |
| 3.470 | Jembatan Gantung | | | | | | - |
| 3.480 | Pilon | | | | | | - |
| 3.490 | Gelagar Boks | | | | | | - |
| 3.500 | Sistem Lantai | 1 | 1 | 0 | 0 | 0 | 2 |
| 3.600 | Sambungan / Siat muai | | | | | | - |
| 3.610 | Perletakan | | | | | | - |
| 3.620 | Pengaman Pengguna Jalan | 1 | 1 | 0 | 0 | 0 | 2 |
| 3.630 | Perlengkapan Aerodinamik Jembatan | | | | | | - |
| 3.710 | Perlengkapan Umum | | | | | | - |
| 3.720 | Penerangan | | | | | | - |
| 3.730 | Utilitas | | | | | | - |
| 3.740 | Pengaman struktur dan lingkungan | | | | | | - |
| 3.750 | SMKS (Sistem Monitoring Kesehatan Jembatan) | | | | | | - |
| 3.760 | Perlengkapan Jembatan Gerak/movable bridge | | | | | | - |
| 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 |
| 2.100 | Jalan Pendekat | 1 | 0 | 0 | 0 | 0 | 1 |
| 2.200 | Aliran Sungai | 1 | 1 | 1 | 0 | 1 | 4 |
| 2.300 | Bangunan Bawah | 1 | 1 | 1 | 0 | 0 | 3 |
| 2.400 | Bangunan Atas | 1 | 1 | 0 | 0 | 0 | 2 |
| 2.700 | Perlengkapan | | | | | | - |
| 2.800 | Gorong-gorong | | | | | | - |

| 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) | Nilai Kondisi | | | | | | | | Nilai Kondisi | | | | | | | | | | | | |
| | | | | | | | | A/P/B | X | Y | Z | S | R | K | F | P | NK | S | R | K | F | P | NK | | | | | |
| | | 3.630 | Perengkapan Aerodinamik Jembatan | 4.631 | Perengkapan Aerodinamik Bangunan Atas | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.632 | Perengkapan Aerodinamik Permukaan Kabel Jembatan | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.633 | Wind Barrier | | | | | | | | | | | | | | | | | | | | | | | |
| 2.700 | Perengkapan | 3.710 | Perengkapan Umum | 4.711 | Perangkat Pengendali Lalu Lintas | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.712 | Penanda Jembatan | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4.713 | Penunjang Perengkapan | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 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 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 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 | Perengkapan 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 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 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 Savap | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 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 B | 3.910 | Lintasan dengan Perkerasan | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3.920 | Lintasan Alam (tanpa perkerasan) | | | | | | | | | | | | | | | | | | | | | | | | | |

| 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) | Nilai Kondisi | | | | | Nilai Kondisi | | | | | | | | | | | |
| | | 3.930 | Lintasan dengan struktur semi - permanen | | | | | A/P/B | X | Y | Z | S | R | K | F | P | NK | S | R | K | F | P | NK | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

| 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

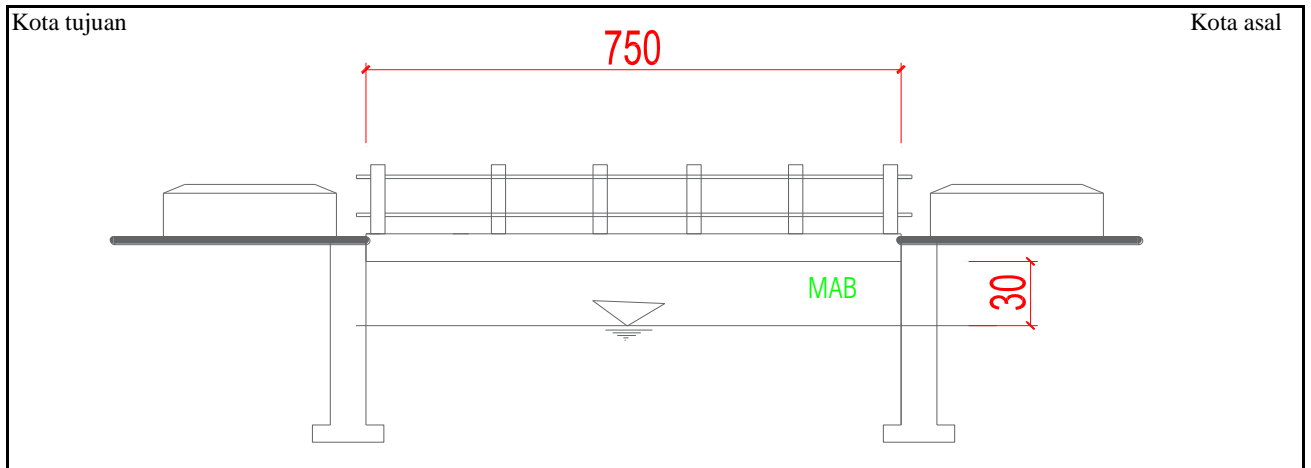
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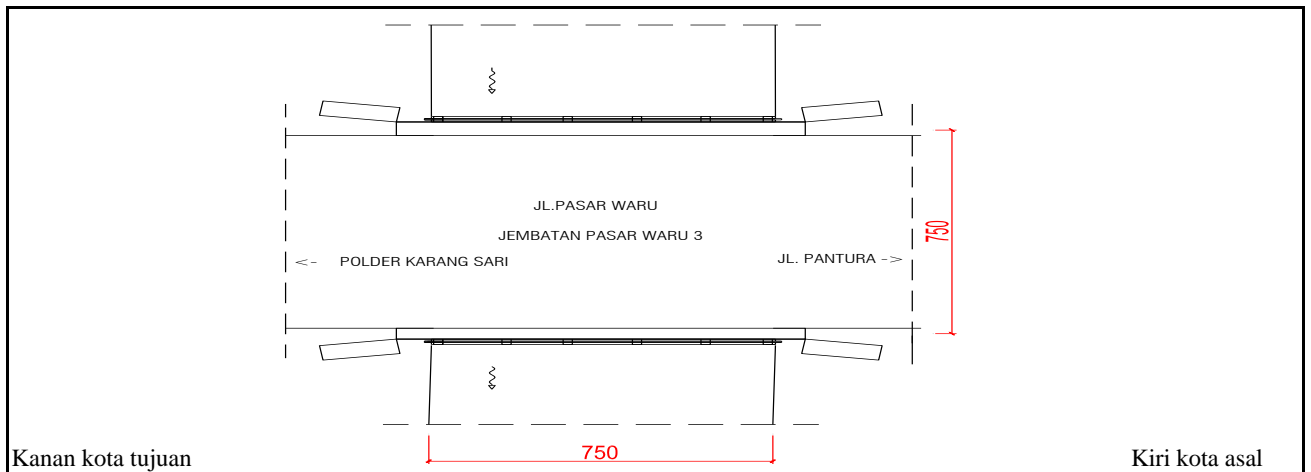
NAMA JEMBATAN :

PASAR WARU.....

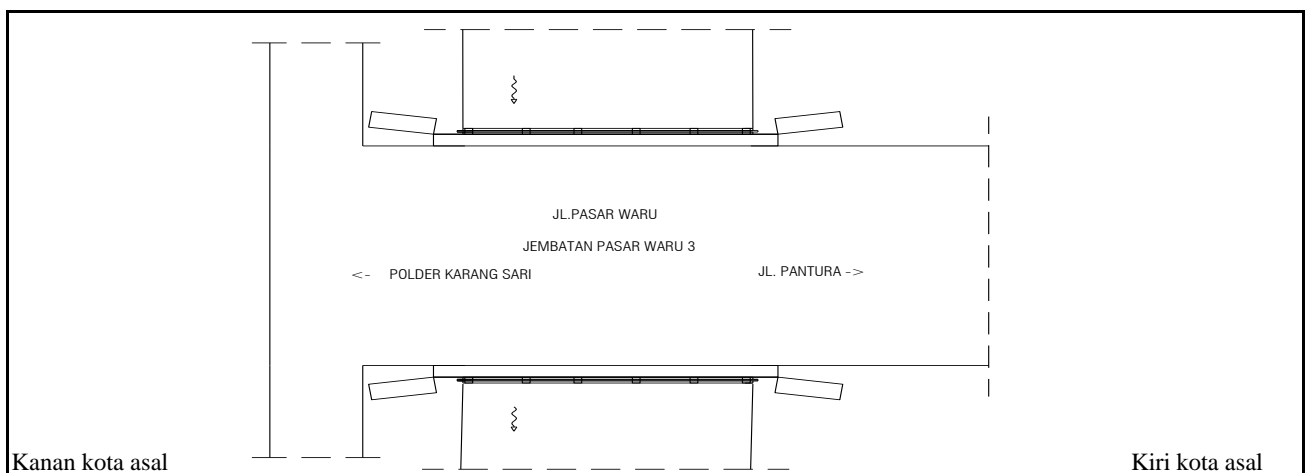
POTONGAN MEMANJANG



TAMPAK ATAS



SITUASI





**PEMERINTAH KOTA SEMARANG
DINAS PEKERJAAN UMUM**

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TAMPAK MEMANJANG



TAMPAK MEMANJANG



TAMPAK MELINTANG



TAMPAK MELINTANG

| NOMOR JEMBATAN | NAMA JEMBATAN | LOKASI (Km) | PANJANG (M) |
|-----------------------|----------------------|--------------------|--------------------|
| KT.33.074.04.0019.001 | PASAR WARU | 0+280 | 7,50 |



**PEMERINTAH KOTA SEMARANG
DINAS PEKERJAAN UMUM**

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FOTO KERUSAKAN

| NOMOR JEMBATAN | NAMA JEMBATAN | LOKASI (Km) | PANJANG (M) |
|-----------------------|----------------------|--------------------|--------------------|
| KT.33.074.04.0019.001 | PASAR WARU | 0+280 | 7,50 |