

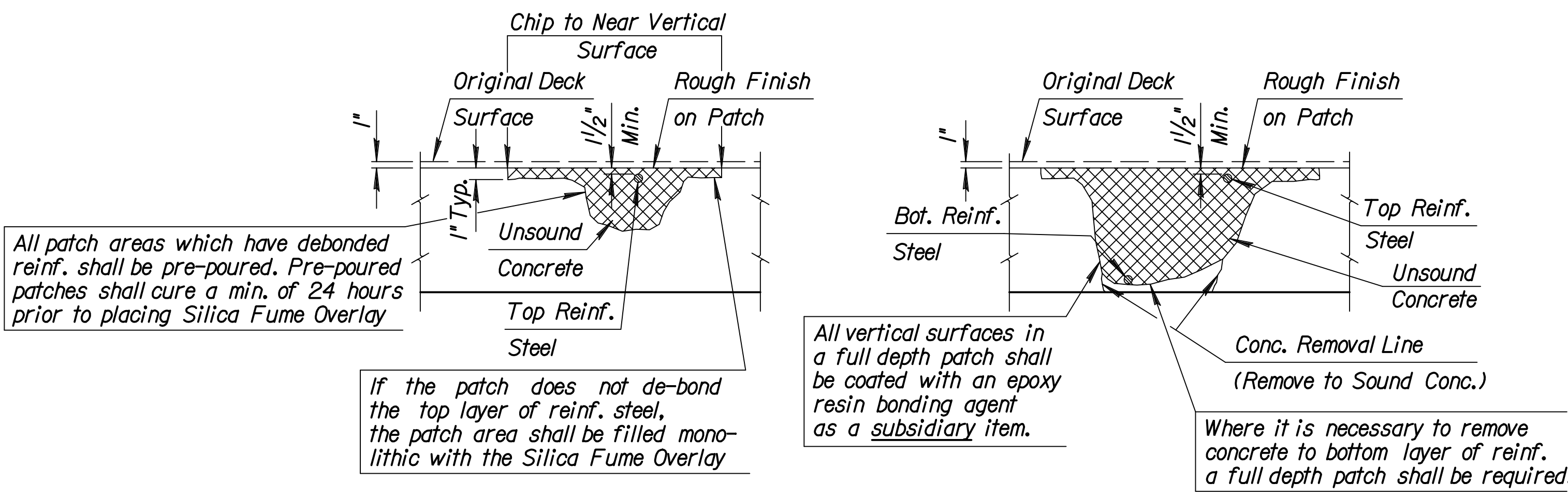
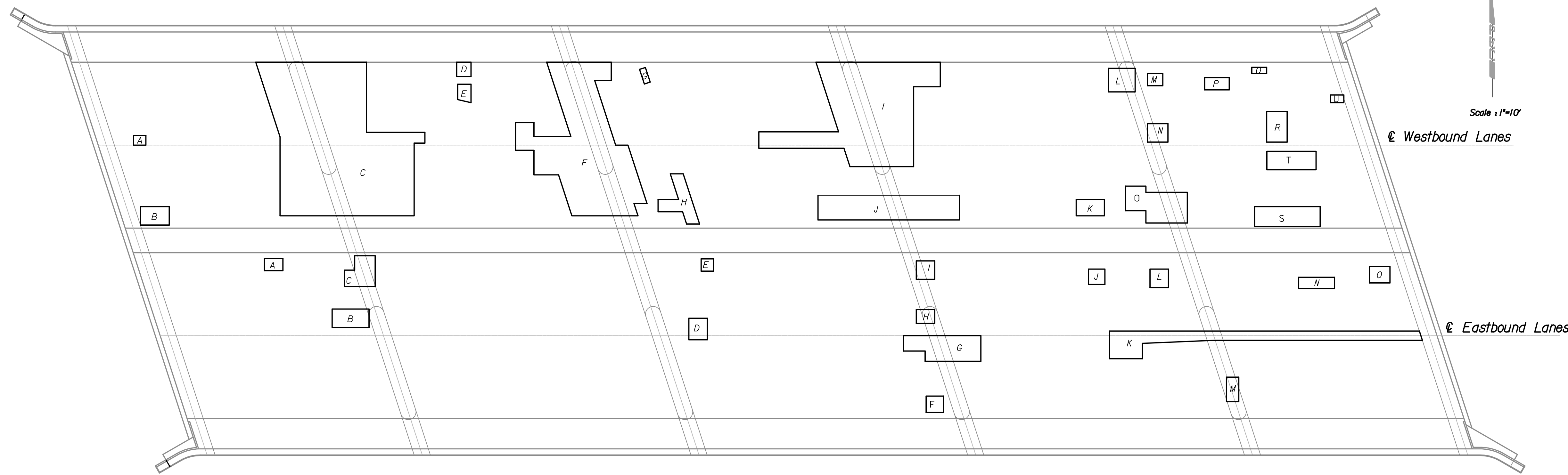
GENERAL NOTES

MACHINE PREPARATION (1"): This item shall consist of preparing the deck for a Silica Fume Overlay, by removing the concrete from the roadway surface of the bridge deck to a depth of 1". See KDOT Specifications.

PARTIAL DEPTH PATCHING: This item shall consist of removing unsound concrete and bituminous patches from the bridge deck, cleaning reinforcing bars, filling the removed patched areas with concrete and preparing the entire area for Silica Fume Overlay. Quantities shown are an estimate of the areas involved. The exact areas shall be determined by tapping, before, during and after chipping operation to assure that all unsound concrete has been removed. See KDOT Specifications.

FULL DEPTH PATCHING: Forms shall be provided to enable the placement of concrete in areas of full depth removal of the bridge slab. The forms may be suspended from existing reinforcing bars by wire ties or a method approved by the Engineer may be used. See KDOT Specifications for method of measurement and basis of payment.

REINFORCING IN BRIDGE DECK: Care should be exercised to prevent cutting, stretching or damaging exposed reinforcing steel. Extreme care should be exercised to avoid breaking the bond between the reinforcing steel and concrete where bars are partially exposed yet remain anchored in sound concrete. Reinforcing steel damaged, cut or deteriorated shall be replaced as directed by the Engineer. See table on this sheet for minimum splice length required. Replacement of bars damaged by the Contractor shall be subsidiary to "Partial Depth Patching".



PARTIAL DEPTH DETAIL

FULL-DEPTH DETAIL

DECK PATCHING DETAILS

| DECK DELAMINATION AREA | | | |
|------------------------|--------------|--------------|---------------|
| Eastbound | | Westbound | |
| Location | Area (S.F.) | Location | Area (S.F.) |
| A | 6.0 | A | 3.2 |
| B | 18.0 | B | 14.0 |
| C | 21.1 | C | 483.6 |
| D | 10.5 | D | 5.4 |
| E | 4.0 | E | 6.0 |
| F | 7.6 | F | 283.4 |
| G | 46.6 | G | 2.5 |
| H | 6.8 | H | 24.5 |
| I | 9.0 | I | 276.1 |
| J | 6.7 | J | 92.0 |
| K | 94.9 | K | 12.2 |
| L | 9.0 | L | 16.6 |
| M | 8.0 | M | 5.0 |
| N | 10.7 | N | 10.0 |
| O | 8.9 | O | 47.0 |
| | | P | 8.0 |
| | | Q | 2.4 |
| | | R | 16.7 |
| | | S | 34.7 |
| | | T | 24.0 |
| | | U | 2.7 |
| Total | 267.8 | Total | 1370.0 |
| Grand Total | | | 1637.8 |

| MIN. REBAR SPLICE LENGTHS | |
|---------------------------|----------------|
| Bar Size | Min. Spl. Len. |
| #4 | 12" |
| #5 | 13" |
| #6 | 16" |
| #7 | 20" |
| #8 | 26" |
| #9 | 33" |
| #10 | 42" |
| #11 | 52" |

| SUMMARY OF QUANTITIES * | | | | |
|--------------------------------------|-------|--------|--------|--------|
| ITEM | UNITS | E. B. | W. B. | TOTAL |
| Machine Preparation (1") | S.Y. | 554 | 554 | 1108 |
| Partial Depth Patching | S.Y. | 25.3 | 129.8 | 155.1 |
| Full Depth Patching | S.Y. | 4.5 | 22.8 | 27.3 |
| Silica Fume Overlay (1.50") | S.Y. | 801.14 | 801.14 | 1602.8 |
| Reinforcing Steel (Repair)(Grade 60) | Lbs. | 114 | 229 | 343 |

* For Information Only

| | | | |
|--|-----------|------------|---------------------------|
| No. | Revisions | By | Date |
| CITY OF WICHITA BR. NO. 530400870LARI00 STA. 69+55.00 DECK DELAMINATION SURVEY 25TH STREET OVER LAR PROJECT NO. 472-84595 SEDGWICK COUNTY | | | |
| Professional Engineering Consultants, P.A. 303 S. TOPEKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003 | | | |
| Designed by | M.S.N. | Checked by | R.A.S. |
| Drawn by | W.L.L. | Date | Apr 11 2008 Job No. 06008 |

Plotted by : msn 9-3-2008
 Drawn by : will
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