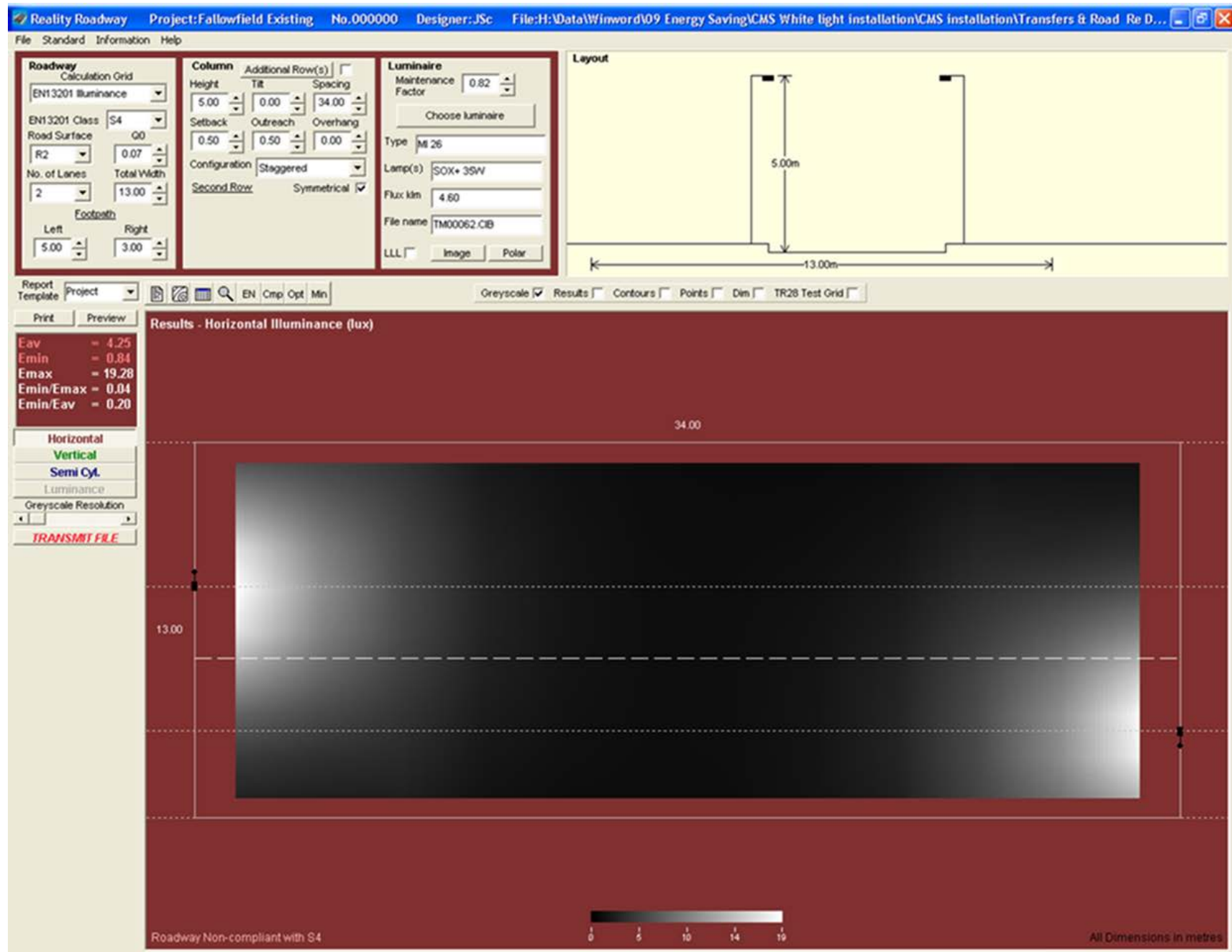
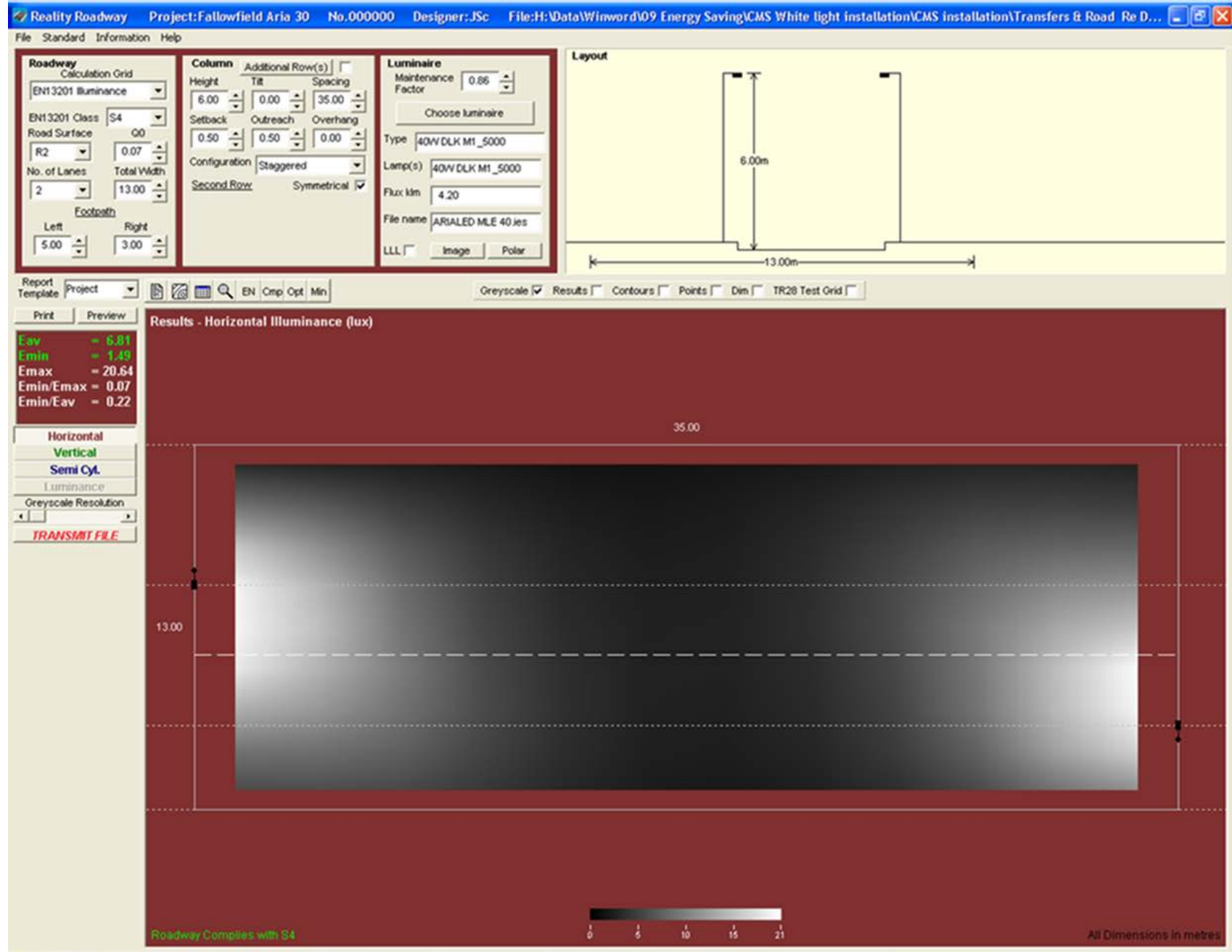


## Fallowfield Road failures:



# Proposed Fallowfield Road LED scheme:



Please see below how the 'spacing' has changed from 34m (using existing column positions which failed) to the new design with an extra column position to achieve lighting standards with the new LED lanterns.

Fallowfield Rev C.pdf - Adobe Reader

File Edit View Window Help

1 / 1 94.4%

Sign Comment

**Notes**

- Existing 5m concrete column with 35W Sox. Board supply.
- Proposed 6m column. With ArisLED 40W lantern.
- 3 new ArisLED 40W
- 3 new steel 6m columns.
- 3 board connections.
- 2 board disconnection
- 2 concrete columns to remove

**Lighting Reality Roadway results**

Footpath 5m left, 3m right  
 Total width 13m  
 Column height existing 5m  
 Av spacing existing 34m  
 Proposed column height 6m  
 Av spacing proposed 35m

Env 6.81  
 Emin 1.49  
 UD 0.22  
 S4

Revision	Amendment	Date
C	Re-locate lanterns	17/9/13
B	Change to ArisLED 40 lantern	17/7/13

Leicester City Council  
 Regeneration  
 Highways & Transportation Division

CLIENT: LCC

TITLE: Fallowfield Rd Proposed Lighting

DRAWING NO.	REV	SCALE
FALLOWFIELD	C	NTS

DRAWN BY	JGC	DATE	17/9/13
CHECKED	CHK	SIZE	A3
ACAD FILE	ACAD	UPRN	UPRN

PDF created with FinePrint pdfFactory Pro trial version [www.pdffactory.com](http://www.pdffactory.com)

# Woodnewton Drive failures:

Reality Roadway Project: Woodnewton existing No. 000000 Designer: JSC File: H:\Data\Winword\09 Energy Saving\CMS White light installation\CMS installation\Transfers & Road Re...

File Standard Information Help

**Roadway**

Calculation Grid  
EN13201 Illuminance

EN13201 Class S4

Road Surface Q0

R2 0.07

No. of Lanes 2

Total Width 13.00

Footpath

Left 5.00

Right 2.00

**Column**

Additional Row(s)

Height 5.00

Tilt 0.00

Spacing 40.00

Setback 0.50

Outreach 0.50

Overhang 0.00

Configuration Staggered

Second Row

Symmetrical

**Luminaire**

Maintenance Factor 0.82

Choose luminaire

Type MI 26

Lamp(s) SOX+ 35W

Flux km 4.60

File name TM00062.CIB

LLL

Image Polar

**Layout**

Report Template Project EN Cmp Opt Min Greyscale  Results  Contours  Points  Dim  TR28 Test Grid

Print Preview

**Results - Horizontal Illuminance (lux)**

Eav = 3.47  
Emin = 0.52  
Emax = 19.30  
Emin/Emax = 0.03  
Emin/Eav = 0.15

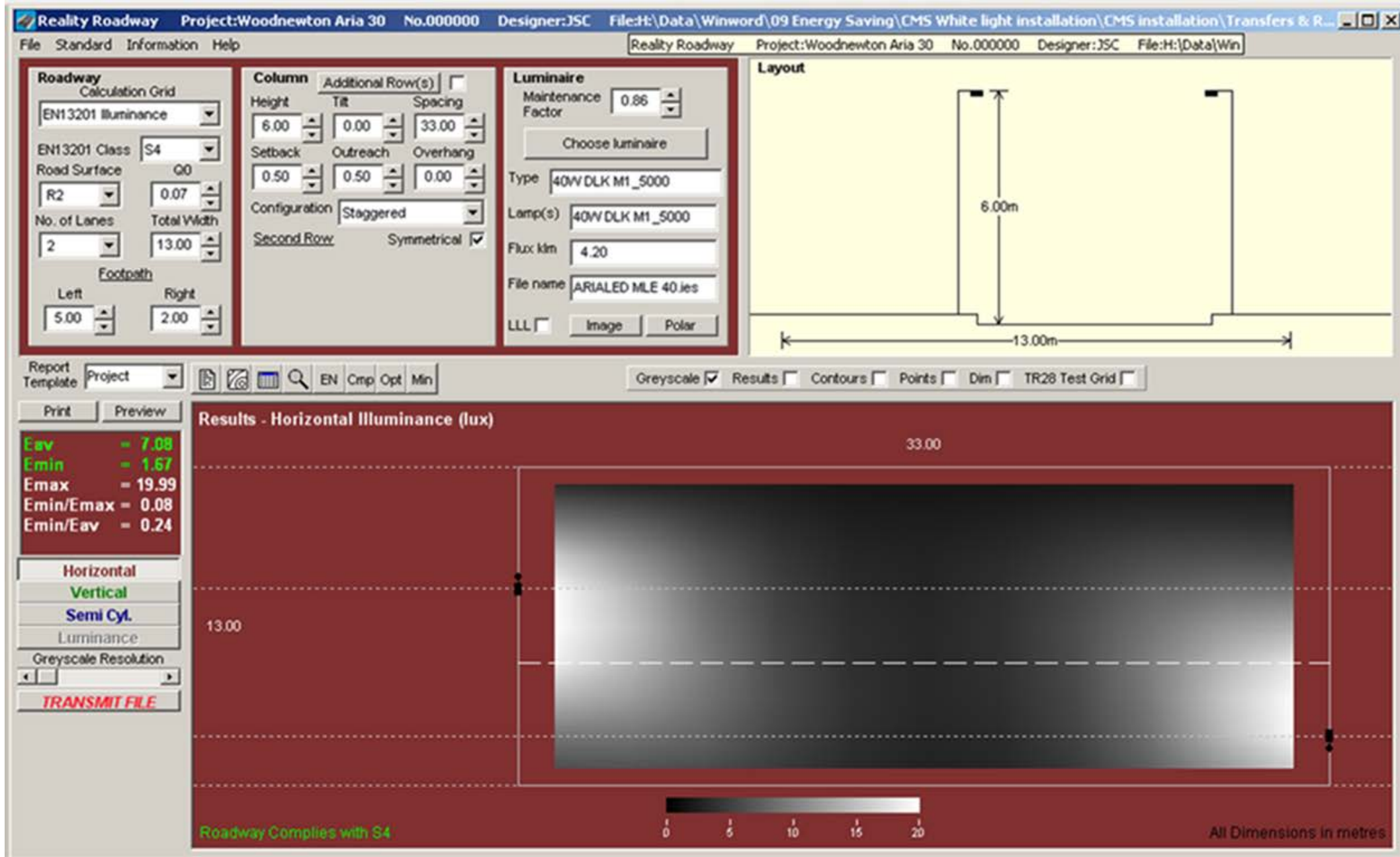
Horizontal  
Vertical  
Semi Cyl.  
Luminance  
Greyscale Resolution  
TRANSMIT FILE

Roadway Non-compliant with S4

0 5 10 14 19

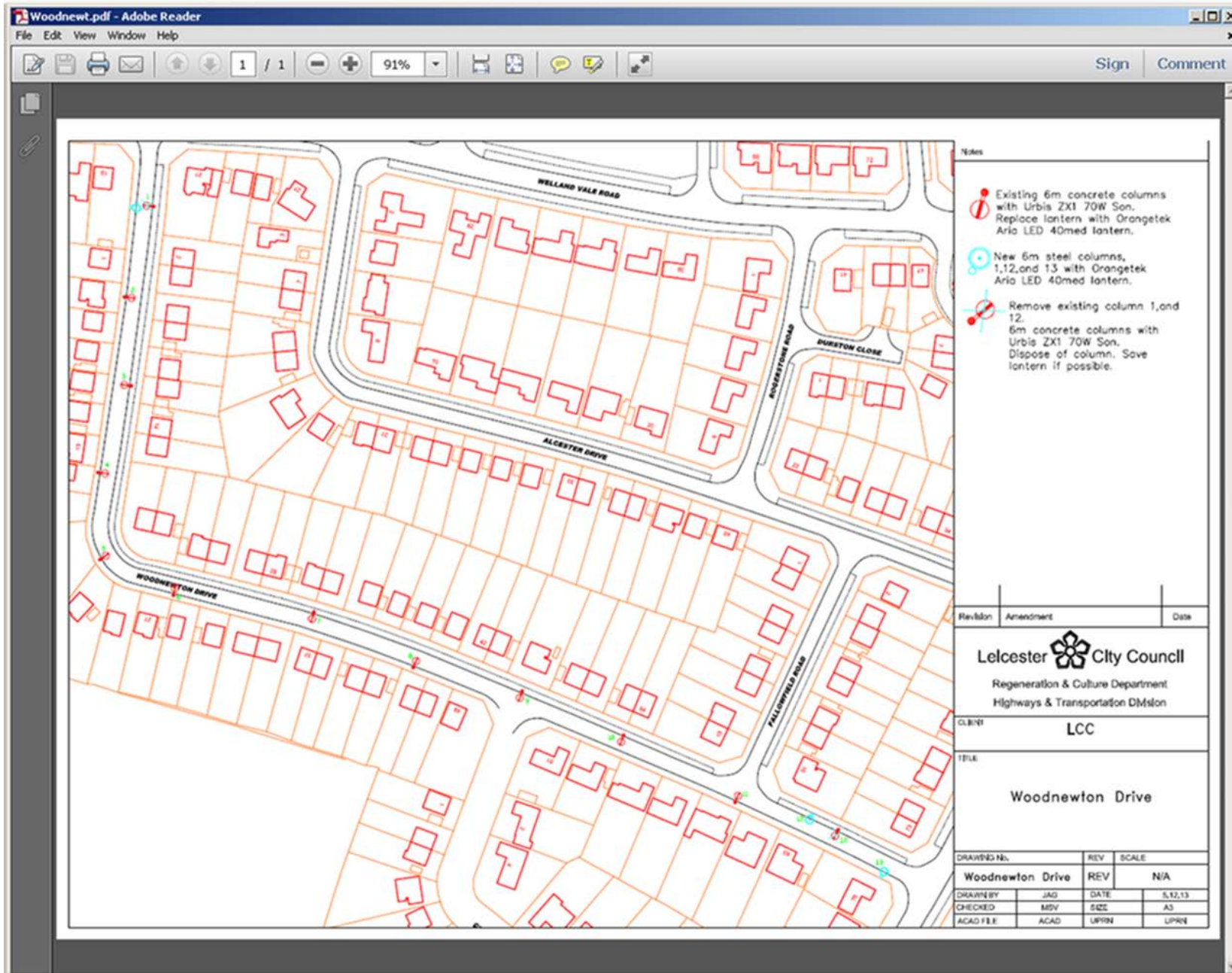
All Dimensions in metres

## Proposed Woodnewton Drive LED Scheme:

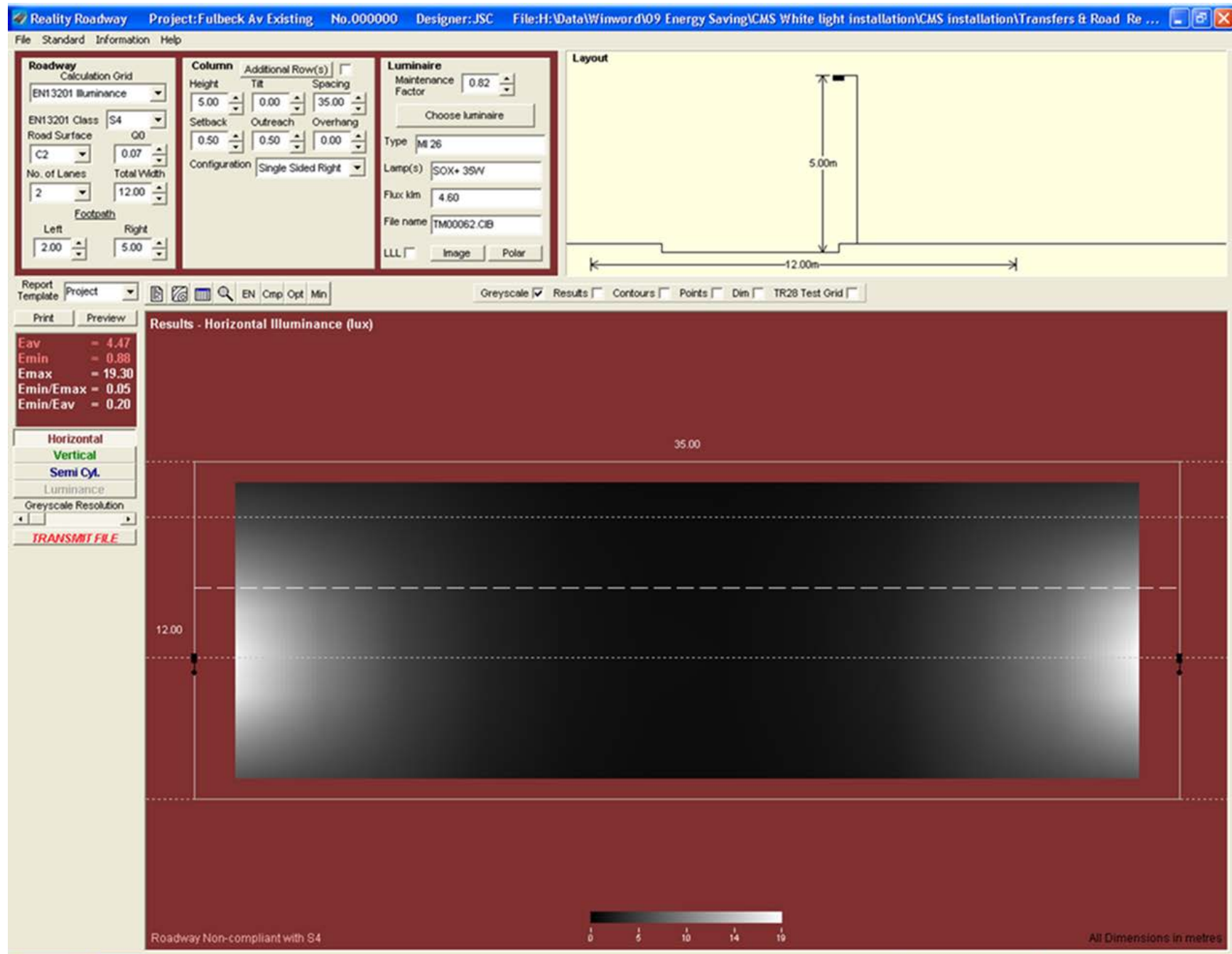




Please see below how the 'spacing' has changed from existing column positions which failed to the new design with an extra column position to achieve lighting standards with the new LED lanterns.



## Fullbeck Avenue failures:



# Proposed Fullbeck Avenue LED conversion scheme:

Reality Roadway Project: Fulbeck Av Aria 30 No.000000 Designer: JSC File: H:\Data\Winword\09 Energy Saving\CMS White light installation\CMS installation\Transfers & Road Re D...

File Standard Information Help

**Roadway**

Calculation Grid  
EN13201 Illuminance

EN13201 Class S4

Road Surface G0  
C2 0.07

No. of Lanes 2 Total Width 12.00

Footpath  
Left 2.00 Right 5.00

**Column**

Height 6.00  
Tilt 0.00 Spacing 35.00

Setback 0.50 Outreach 0.50 Overhang 0.00

Configuration Staggered

Second Row Symmetrical

**Luminaire**

Maintenance Factor 0.86

Choose luminaire

Type 40W/DLK M1\_5000

Lamp(s) 40W/DLK M1\_5000

Flux km 4.20

File name ARIALED MLE 40 les

LLL  Image  Polar

**Layout**

Report Template Project  EN  Cmp  Opt  Min  Greyscale  Results  Contours  Points  Dim  TR28 Test Grid

Print Preview

**Results - Horizontal Illuminance (lux)**

Eav = 6.96  
Emin = 1.50  
Emax = 20.27  
Emin/Emax = 0.07  
Emin/Eav = 0.22

Horizontal  
Vertical  
Semi Cyl.  
Luminance  
Greyscale Resolution  
**TRANSMIT FILE**

Roadway Complies with S4

0 5 10 15 20

All Dimensions in metres



On Fullbeck Avenue the existing lamp positions achieved the required S4 lighting standard and therefore not requiring any new columns as with the other two street..

....for completeness please see the location map below:

