



Vivacity Sensor Platform

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J Jj UMIhmiGYbgcf D`UhZcfa ' ,

DfcXi VhCj Yfj JYk ' ,

H\Y`J j UMIhmiGYbgcf D`UhZcfa `jg`U`fcUX`gdUW`i gU[Y`a cb]hcf]b[`gyfj]W`k \]W`Vh`a V]bYg`Ub`€H`
GYbgcfZ`7`ci X`8UHUVgY`UbX`5D`=cf`K`YV`5dd`]W]h]cb`hc`[]j`Y`W]Ybhg`U`fYU`h]a`Y`UbX`\]g]hcf]W`
j`JYk`cZ`\ck`a`UbmX]ZZYfYbh`hmlYgcZ`fcUX`i`gyfgi`gy`h`Y`gdUW`z`UbX`\ck`h`Y`m]bhYfUW]k`h]b`
h`Y`Z]Y`X`cZ`j`JYk`U`gYbgcf`"Hc`XUH`Y`k`Y`U`j`Y`]bghU`YX`cj`Yf` , \$\$`XYj`]W`g`z`dfYXca`]b`Ubh`m]b`h`Y`
I`?`z`UbX`k`h]`U`[`fck`]b[`]bhYfbUh]cbU`d`fYgybW`"Ci`f`W]Ybhg]bW`XY`HZ`@`<`][`k`Uhg`9b[`UbX`z`
C`I`ZcfXg\]fY`7`ci`b`m]7`ci`b`V]`UbX`7`Ua`Vf]X[`Y`7]hmi7`ci`b`V]`"

GYbgcf`

Ci`f`gybgcf`Vh`bH]b]g`U`V]a`YfU`UbX`U`dfc`W`ggcf`
k` \]W`U`ck`gi`g]h`Vh`Y`V]fYU`h]a`Y`z`
U`cbna`ci`g`XUH]cb`\ck`h`Y`fcUX`gdUW`]g`
VY]b[`i`gYX`"H`Y`XUH]`]g`Ybh`hc`h`Y`Vh`ci`X`z`UbX`
h`Y`j`]X`Yc`]g`X`]g`W]fYX`U`hgci`fW`"



5D`≠

H`Y`XUH]`]g`ZYX`gY`W`fY`m`Z`fca`h`Y`gybgcf`hc`U`
Vh`ci`X`gYfj`Yf`Zcf`g]hcfU[`Y`UbX`VUW]i`d`z`YbUV`]b[`'
UW`gg]hc`"j`Y`UbX`\]g]hcf]W`XUH]j`]U`Ub`5D`≠`
k` \]W`" `fX`d`U`f`h`m`g`h`Y`a`g`V]b`]bhY[`f`U`h`Y`k`]h`"

8Ug\ VcUfX`

K`Y`U`gc`d`fcj`]X`Y`U`Vh`ci`X`!`V`U`g`Y`X`X`U`g`V`c`U`f`X`k` \]W`U`ck`g`W]Ybhg]hc`"c[`]b`Z`fca`U`b`nk` \]Y`f`Y`UbX`
j`JYk`h`Y`"j`Y`UbX`\]g]hcf]W`XUH]VY]b[`]`Y`b`Y`f`U`h`Y`X`V`m]Y`U`W`g`Y`bgcf`" `#`d`fcj`]X`Y`g`U`W`W`gg]hc`W`U`gg]Z]YX`
Vh`ci`bh`XUH]z`U`W`ggYX`cb`U`a`U`d`j`JYk`g`l`ck`]b[`h`Y`"c`W]h]cbg`c`Z`Y`U`W`c`Z`h`Y`g`Y`bgcf`g`UbX`f`c`U`X`
X]f`Y`V]h]cb`c`Z`X`UH`"

GYbgcf'8UHJ'7UdUV]h]Yg

7ci bhg

H\]gXUHJ'fYdfYgYbhg'h\Y'bi a VY'cZfcUX i gYfg'hfUj Y''b['Ucb['UfcUX]b'YUW X]fYV]cb''Hc' U'ck i g'hc [YhUW'fUH'V'ei bhXUH'Zk Y V'YUH'Uj]fhi U'V'ei bh]bY'k]h]b'h\Y'gYbgcf'Z]Y'X'cZ j]Yk žUbX'fcUX i gYfg'UFY'V'ei bhYX'Ug'h\YmV'fcgg'h\Y'V'ei bh]bY''7ci bhXUHJ'V'V' d'fcj]XYX Ug h\Y'h]a Y'YUW]bX]j]Xi U'fcUX i gYf'V'fcggYX'h\Y'V'ei bh]bY'žcf'Ug'Ub'U [fY [U'h'V'ei bh'dYf'h]a Y' dYf]cX'f'hd]V'm) 'a]bi hYg' A i 'h]d'Yj]fhi U'V'ei bh]bY'gdYf'gYbgcf'V'V' VY'gdYV]Z]YX''

7'Ugg7ci bhg

7ci bhXUHJ'V'V' YI dUbXYX i dcb'k]h\ WUgg'V'ei bhgžk \YfY'ci f'gcZ'k UfY'd'fcj]XYg'U WUgg]Z]V'h]cb'Z'fca 'h\Y'Zc''ck]b['WUgg]Z]V'h]cb'gYh'Zcf'YUW'V'ei bhXUHJ'dc]bh'



GdYYX'

H\Y'gYbgcf'g'V'V' d'fcj]XY'h\Y'Uddfcl]a U'h'gdYYX'cZYUW]bX]j]Xi U'fcUX i gYf''H\]g]g'g']hUV'Y' Zcf'V'eb [Ygh]cb'XYh'V'V]cb'UbX'hd]V'm]X'f]j Yf'VY\Uj]ci fžVi hbchYbZcf'W'a YbhcZ'gdYYX'']a]hg''

DUh'

H\Y'dUH' h\Uh'U'WUgg]Z]YX'fcUX i gYf'hU_Yg'h'fci [\ 'h\Y'Z]Y'X'cZj]Yk 'V'V' VY'fYdcfhYX''H\Y'dUH' XUHJ'g'XYZ]bYX'V'm'h\Y'V'ch'ca 'W'bh'fY'cZ'h\Y'j Y\]W'Uh'YUW'Z'f'Ua Y'd'fc'W'ggYX'k \]Y'h\Y'fcUX i gYf'k Ug'dfYgYbhk]h\]b'h\Y'Z]Y'X'cZj]Yk 'f] [i fY' 'E''H\]g]f]a U [Y'gdUW' 'dUH' V'V' 'hfUbgZ'fca YX]bhc'; DG'gdUW'ž'h\YfYV'm'fYdcfh]b['h\Y'; DG'V'cfX]bUH'g'cZ'h\Y'fcUX i gYf'Uh'h\Y' h]a Y'gh]a d'Zcf'YUW'Z'f'Ua Y'h\Uh'Uj Y\]W']g'k]h\]b'h\Y'Z]Y'X'cZj]Yk 'f] [i fY' ('E''

>ci fbYm'h]a Y'

H\Y'Uj YfU [Y'ci fbYm'h]a Y'cZ'fcUX i gYfg'f'YI W'X]b ['dYXY'gh'f]Ubg'UbX'V'V'V'g'g' VY'hk'YY'b'h'k'c' gYbgcf'g'

OdcVāDXXj eVcXn

H\]gVWdUV]]hmU`ck gi g'hc '[]j Y'h\Y'bi a VYf'cZWUgg]ZYX'fcUX'i gYfg]b'U'ncbY'cf'a i `hjd`Y'ncbYg
k]h]b'h\Y'gYbgcf,g'Z]Y'X'cZj]Yk "'5'ncbY']g'Ub'UFYU'h UhVWb'VY'XYZ]bYX'cb'h\Y'gYbgcf'j]Yk 'cf'Vm
; DG'dc`n]cbfg]'H\YgY'Vzi bhg'UFY'gYbhUddfcl]a Uh'`mYj YfmgYW'bx"H\]g]g'fYdcf'hYX'Ug'YUW'
]bghUbhUbYci g'cVW'dUbVh'Zcf'YUW'ncbY'Uh'U'h]a Y'fYei YghYX'cf'h\Y'Uj YfU[Y'cVW'dUbVh'Xi f]b['U
h]a Y'dYf]cX'Zcf'YUW'ncbY"H\]gVWdUV]]hmU'VY'i gYX'hc'i bXYfghUbX'ei Yi]b['VY\Uj]ci f'Vm
Vzi bh]b['h\Y'bi a VYf'cZj Y\]W'g]b'U'_bck b'ei Yi]b['ncbY"

,

,

,



<ck '8cYg'ñK cf_3

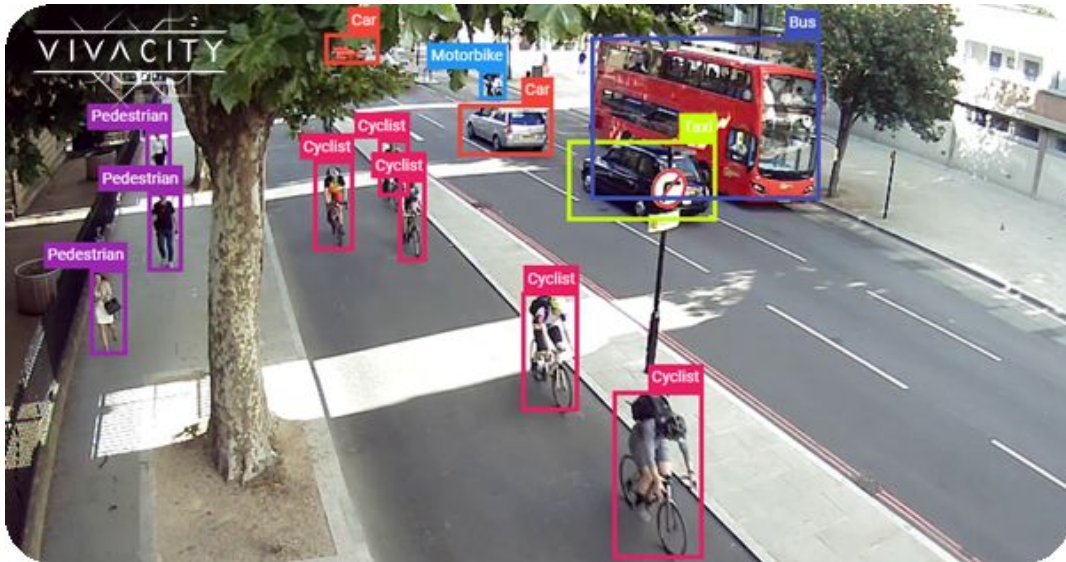
GYbgcf' < UfXk UfY

H\Y'gYbgcf'VčbhU]bg'U'cW'fYX[Y,, 'dfcWggcf'k \]W' hU_Ygj]XYc'Zfca' h\Y']bVi]'hWVa YfU'UbX' fi bg'ci'f'dUhYbhdYbX]b['A UW]bY'@YUfb]b['U[cf]h\ a g]b'cfXYf'hc'YI hfUM'i gYZi 'XUH'Zfca' h\Y' gWbY''8i'f]b['bcfa U'cdYfUh]cbžYUW'ZfUa Y'cZj]XYc'g]XY'YhYX'ja a YX]UH' mUZHYf'dfcWgg]b[ž UbX'cb'mh\Y'Ubcnna' ci gXUH'YI hfUM'YX'Vmh\Y'U[cf]h\ a g]g'g'cfYX'UbX'hfUbga]hYX''

H\Y'gYbgcf'g\Uj'Y' ; #(; VčbbYV]j]mžYbUV']b['h\Y'XUH'[U\Y'fYX'hc'VY'gYb'hc' h\Y'Wci XžUbX' Ugc' []j]b['i'gfYa chY'UW'gg'hc'U'gYbgcf'gUh'Ub'rh]a Y''H\]gYb'UW'Yg'U'Zi 'žfYU'!h]a Yj]Yk'cZ gYbgcf'i d!h]a YžfYa chY'XYVi [[]b['UbX'a U]bhY'UbWžUbX'fYa chY'i dXUH'g'

GYbgcf' GcZk UfY

Ci'f'A UW]bY'@YUfb]b['U[cf]h\ a 'dfcWggYg'YUW'ZfUa Y'cZj]XYc'hc'YI hfUM'h\Y'cW]h]cb'UbX' WUgg]Z]W]h]cb'cZYUW'fcUX'i gYf''C'b'm'Ubcbnna' ci gZYU'i fYg'UfY'g'hc'fYX'Uh'h.]g'dc]bh'UbX'h\Y' j]XYc'ZfUa Y']gXY'YhYX''H\Y'ci hdi h[YbYfUH'YX'Zfca' U'g]b['Y'ZfUa Y'cZj]XYc'g]g'ck b]b[:]i'fY' žXYa cbg'fUh]b['fcUX'i gYf'XYhYV]h]cb'UbX'WUgg]Z]W]h]cb''



:]i'fY' . FcUX1 gYf'8YhYV]h]cb'UbX'7'Ugg]Z]W]h]cb'GcZk UfY'

H\YgY'j]XYc'UbU'nh]Vg'U [cf]h\ a g'UFY'g]a]'Uf'hc'h\cgY' i gYX']b'Xf'j] Yf'Yggj Y\]W'g'UbX'
U' hcbca ci g'XfcbYgzi gj]b['W'h]b[!YX[Y'Ufh]Z]V]U]'bhY''] [YbW' h'VWb]jei Yg''

H\Y'XYh'V]cb'XUH'VUb'VY' i gYX'X]fYV'm'hc'XYh'Yfa]bY'h\Y'c'W'W'dUb'W'hc'Z'ncbYgk]h']b' h\Y'Z]Y'X'
cZj]Yk "'-b'cfXYf'hc'YI' hfUM'ch\Yf'XUH'f'md'YgZ'YUW' fcUX' i gYf']g'hfUM'YX'h'fci [\ 'a' i 'h'd'Y'
Z'Ua' Yg'Ug'h\Y'md'Ugg'h'fci [\ 'h\Y'Z]Y'X'cZj]Yk "'H\Y'hfUM']b['ci' hdi' hZ'fca "' \$'a']bi' hYgc'Z'gYbgcf'
cdYfUh]cb']g'g'ck' b']b' :] [i' fY' (žYbUV']b['Ub'UggYgga' Ybhc'Z'ck' h\Y'fcUX'gdUM']g'VY']b[' i' gYX''
J]fhi' U' V'zi' bh']bYg'UFY'X'fuk' b'k']h']b' h\Y'Z]Y'X'cZj]Yk' žUbX'fcUX' i' gYf'Z'ck']g'YI' hfUM'YX'YUW'
h]a' Y'U'dUH' V'fcggYg'h']g'']bY''



:] [i' fY' (.J Y\]W'dUH' XUH'Z'fca' hfUM'Yf'!g'ck']b["' \$'a']bi' hYgc'Zj' Y\]W'Z'ck' /fYX'1' W'fzdi' fd'Y'1' dYXYghf]Ubz'
hi' fei' c]gY'1' j' Ubz'V'i' Y'1' < ; J' žnY'ck' '1' hU']žUbX'd']b_1' W'W'gh'

Df]j UWrUbX; 8DF'

J]j UWr]m;gigYbgcf'gnghYa 'k UgXYg][bYX'i g]b['XUHU'dfchYV]cb VmXYg][b'df]bV]d`YgUbX]g V]a d`]Ubhk]h\ ; 8DF""HAY'gnghYa 'XcYgbchdfcXi W'Ubm]dYfgcbU`XUHU'k \Yb]h]gbch bYWggUfn'

Bcfa U`CdYfU]cb†Bc DYfgcbU`8UHU

I bXYf'bcfa U`cdYfU]cbzhAY'gnghYa 'dfcWggYgU`j]XYc`cW`n]dfcXi WgUbcbna ci gXUHU ZYYXgUbX`X]gWfXg]hAY j]XYc`ja a YX]U]h`n]'5ggj W]zXi f]b['bcfa U`cdYfU]cbzhAY'gnghYa ' dfcXi Wg]bc'dYfgcbU`XUHU'UbX`h YfYzcfY'dfYgYbhg]bc'df]j UWr]cf'dYfgcbU`XUHU'f]g_"

GcZk UFY`HFU]b]b[!`Cdh]cbU'

Ci f'a UWr]bY`YUfb]b['U[cf]h]a g\Uj Y VYYb`hfU]bYX`cb]a U[Yg[U]h`YfYX`Zfca 'a Ubi U`hfUZZ]W gj fj Yng]UbX`Zfca 'ci f`XYd`cnYX`gYbgcf]g"K Y`UFY V]zb]bi]b['hc`[fck`ci f`]a U[Y`hfU]b]b['gYh]Ug h\]gk]` \Y`d`i g]hc V]zb]bi Y`hc]a dfcj Y`hAY UWr]fUWr]cZ`hAY'gnghYa "'-b`cfXYf`hc`UWr]Yj Y`h\]g] UbX`k]h\`hAY`dYfa]gg]cb`cZ`ci f`W]Ybhg]z`k Y`a U]m]V`ccgY`hc`YI hfUWr]U`ZYk`g]Ja d`Y`]a U[Yg]Zfca ' YUWr`bYk`gYbgcf`]bghU`U]cb`hc`UXX`]bhc`ci f`hfU]b]b['gYh'

K Y`k]`U`k U]ng]dfcj]XY`hYa dcfU]mg][bU[Y`]b`hAY j]V]b]m]cZU`gYbgcf VYzcfY[U]h`Yf]b[]a U[Yg Zcf`ci f`hfU]b]b['gYh'"HAYgY`g][bg]ghU]h`fNew road space usage sensors installed, once fully operational they will only produce anonymous data. Video may be intermittently recorded at this location during this initial project phase, for the purpose of system development and testing."

J]j UWr]m]UFY`fY[]ghYfYX`k]h\`hAY`=C`hc`YbUW`Y`i g]hc V]d`YV]m]UbX`\c`X`]a U[Y`XUHU`Zcf`hAY` di fdcgY`cZXYj Y`cd]b['gcZk UFY`hc`YI hfUWr]U]cbcbna ci gXUHU`Zfca`j]XYc`ZYYXg"K Y`UWr]Ug]hAY` XUHU`V]zb]fc`Yf`Zcf`hAY`gcZk UFY`hfU]b]b['dfcWgg"K Y`Uj Y`W]ff]YX`ci hDf]j UWr]a dUWr] 5ggYgga Ybhg]Zcf`h\]gk cf`_z`k \]W`V]b VY`dfcj]XYX`hc`W]Ybhgi`dcb`fYei Ygh]'=Z`fYei YghYX`z`k Y` k]`bchYI hfUWr]U]bm]hfU]b]b['XUHU`Zfca`U[]j Yb`gYbgcf`UbX`Zc`ck]b['g] W`U`fYei Ygh]zbc` dYfgcbU`XUHU`k]`Yj Yf`VY[YbYfU]hYX`V]m]h`U]hXYj]W"

A U]bhYbUbW†Bc DYfgcbU`8UHU

ᄁ'cfXYf'hc W]VfUHY'UbX'a U]bhU]b'ci f'gYbgcf'gžk Y'cWUg]cbU`mgYbX'Ub]a U[Y'Zfca 'h\Y'gYbgcf' VUW'hc'ci f'cZZ]W"ᄁ'cfXYf'hc Ybgj fY'h\Y'a U]bhYbUbW]a U[Yg'Xc'bc'hVčbhU]b'UbmđYfgcbU' XUHUžk Y'Zc`ck 'h\Y'Zc`ck]b['dfcWgg'

- H\Y'gYbgcf'hU_Yg'Ud\c'hc'UbX'V'i fg'U'VčdmcZ'h\Y]a U[Y'df]cf'hc'hfUbga]gg]cb" ' .
- H\Y'V'i ffYX]a U[Y]g]a Ubi U`mgVfYYbYX'VmU'bc'dYfU'hc'hc'Ybgj fY'bc'dcgg]V'Y' dYfgcbU`m]XYbh]Zn]b['ZYU'i fYg'a UmVY'dfYgYbh]b'h\Y'cf][]bU]a U[Y'
- Z'h\YfY]g'U'f]g_ h'U'hdYfgcbU'XUHU'a UmVY]b'h\Y'i bV'i ffYX]a U[Yž'h\Y]a U[Y]g XY'YhYX'UbX'h\Y'cdYfU'hc'f'k]`fYei Ygh'U'byk V'i ffYX]a U[Y'
- CbW'Ub]a U[Y]g'Včbz]fa YX'Ug\Uj]b['bc'f]g_cZ'VčbhU]b]b['dYfgcbU'XUHUž'h\Y'cf][]bU' i bV'i ffYX]a U[Y'V'U' h\Y'b'VY'hfU'bg'a]hYX'hc'h\Y'cdYfU'hc'f'"H]g]a U[Y'V'U' h\Y'b'VY'i gYX' hc'Včbz]fa 'k \Y'h\Yf'h\Y'V'U' YfU`YbgfYei]fYgVWUb]b[" ' .

H\]g'dfcWgg]g'Včj YfYX'V'mci f'df]j U'W'h]a dU'W'iUggYgga Ybhg"

>ci fbYmH]a Y! <Ug\YX'Bi a VYf'D`UHYgž8Y'YhYX'GYX'

ᄁ'cfXYf'hc W'W'UHY'`ci fbYmH]a Yž'h\Y'g]a Yj Y\]W' bYXg'hc'VY'fY!]XYbh]Z]YX'Uh'U'gYVčbX' `cW'h]cbž'a U_]b[]h'U'fYei]fYa Ybh'hc'gYbX'U'i b]ei Y'ž'Zcf'h\Y]j Y\]W'"6m\Ug\]b['h\Y'bi a VYf' d'UHY'VYZcfY'hfU'bg'a]h]b[ž]h'U'bc'bn'a]gYg'h\Y'bi a VYf'd'UHY'"6mXY'Yh]b['h\Y'\Ug\]gYX'Yj Yfm&(' \ci fgž]h'dfYj Ybhgj Y\]W'`ci fbYmđU'HY'fbgVY]b['i gYX'hc']bZyf'h\Y]XYbh]m'cZ'U'bm'ci fbYm k]h.]b'h\Y'XUHU'Ugy"

