



LOS Calculator



presented to

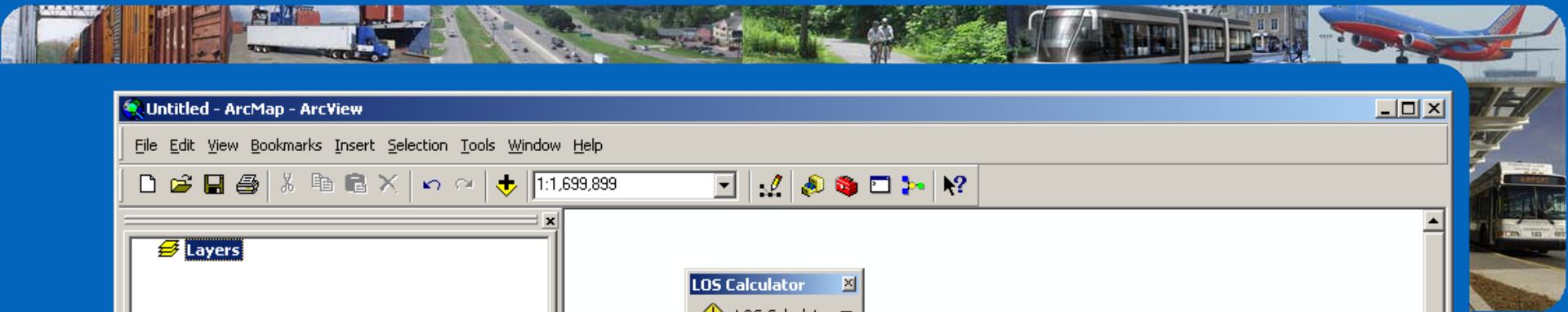
MTF GIS Committee

presented by

Frank Tabatabaee, Florida DOT

Capton Siluvairajan, Cambridge Systematics, Inc.





Untitled - ArcMap - ArcView

File Edit View Bookmarks Insert Selection Tools Window Help

1:1,699,899

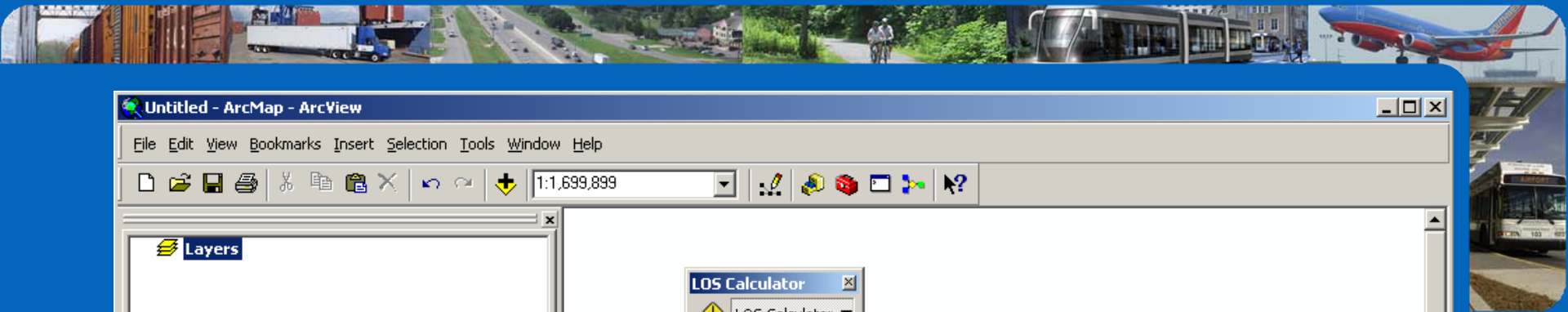
Layers

LOS Calculator

LOS Calculator

Display Source Selection

548096.208 1411225.529 Feet



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File Edit View Bookmarks Insert Selection Tools Window Help

1:1,699,899

Layers

LOS Calculator

- LOS Calculator
- Calculate LOS
- Symbolize LOS
- Configuration

Display Source Selection

363645.309 1718151.826 Feet



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File Edit View Bookmarks Insert Selection Tools Window Help

1:337,033

Layers

- NERPM_LOADED_Seltd

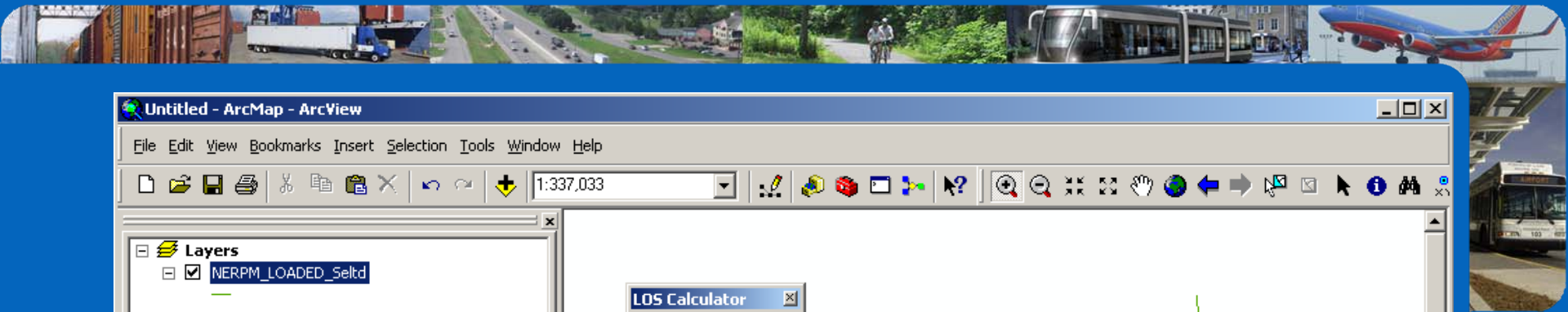
LOS Calculator

- LOS Calculator

Display Source Selection

459969.865 2242028.176 Feet





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File Edit View Bookmarks Insert Selection Tools Window Help

1:337,033

Layers

- NERPM_LOADED_Seltd

LOS Calculator

LOS Calculator

Attributes of NERPM_LOADED_Seltd

| COUNT | TCARD | TC | TV | VC | TWOWAY_00A | DISTANCEFT | FACILITY_T | AREA_TYPE | NUM_LANES | UROADFACTO | CONFAC |
|-------|-------|----|----|----|------------|------------|------------|-----------|-----------|------------|--------|
| 0 | 0 | 0 | 0 | 0 | 1 | 20783 | 50 | 33 | 1 | 1 | 0.1 |
| 0 | 0 | 0 | 0 | 0 | 1 | 5504 | 50 | 32 | 1 | 1 | 0.1 |
| 0 | 0 | 0 | 0 | 0 | 1 | 6931 | 50 | 32 | 1 | 1 | 0.1 |
| 0 | 0 | 0 | 0 | 0 | 1 | 4548 | 50 | 32 | 1 | 1 | 0.1 |
| 0 | 0 | 0 | 0 | 0 | 1 | 5300 | 50 | 32 | 1 | 1 | 0.1 |
| 0 | 0 | 0 | 0 | 0 | 1 | 6036 | 50 | 32 | 1 | 1 | 0.1 |
| 0 | 0 | 0 | 0 | 0 | 1 | 6539 | 50 | 32 | 1 | 1 | 0.1 |
| 0 | 0 | 0 | 0 | 0 | 1 | 12104 | 50 | 32 | 1 | 1 | 0.1 |
| 0 | 0 | 0 | 0 | 0 | 1 | 1595 | 50 | 32 | 1 | 1 | 0.1 |
| 0 | 0 | 0 | 0 | 0 | 1 | 1553 | 50 | 32 | 1 | 1 | 0.1 |
| 0 | 0 | 0 | 0 | 0 | 1 | 5720 | 50 | 31 | 1 | 1 | 0.1 |
| 0 | 0 | 0 | 0 | 0 | 1 | 1502 | 50 | 32 | 1 | 1 | 0.1 |

Record: 0 Show: All Selected Records (0 out of 35470 Selected) Options

Display Source Selection

375126,466 2204580,055 Feet



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File Edit View Bookmarks Insert Selection Tools Window Help

1:337.033

Layers

- NERPM_LOADED_Seltd

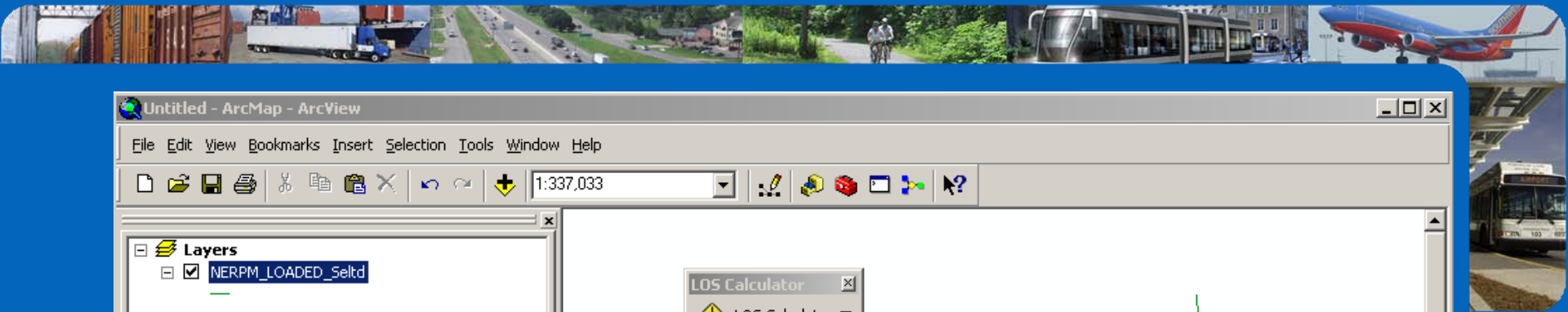
LOS Calculator

- LOS Calculator
 - Calculate LOS
 - Symbolize LOS
 - Configuration

Display Source Selection

471964.966 2249049.699 Feet





Untitled - ArcMap - ArcView

File Edit View Bookmarks Insert Selection Tools Window Help

1:337,033

Layers

- NERPM_LOADED_Selctd

LOS Calculator

- LOS Calculator

ConfigurationEditor

A Node Field: A

B Node Field: B

Area Type Field: AREA_TYPE

Facility Type Field: FACILITY_T

Number of Lanes Field: NUM_LANES

Volumes Field: VOLTOTAL00

MOCF: 1 [> 0 and <= 1]

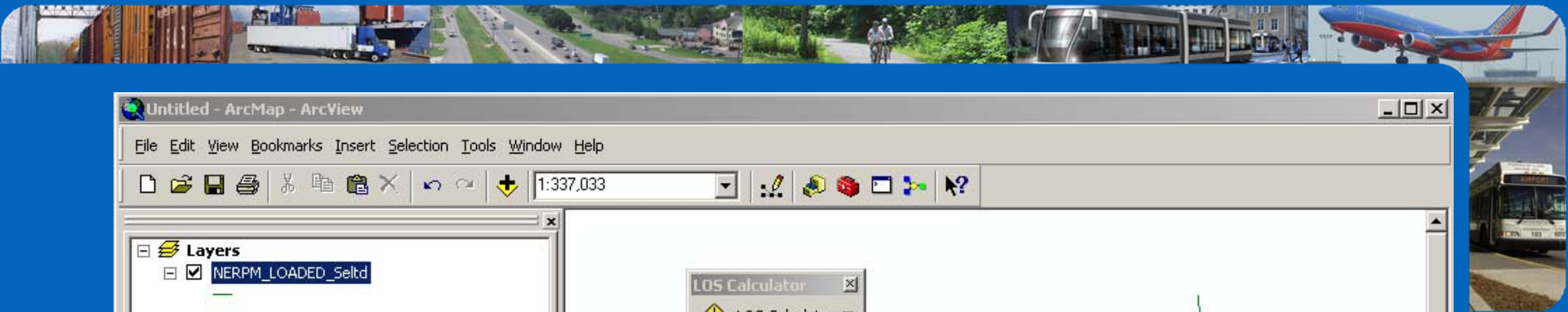
Symbolize Options

A B C D E F

OK Cancel

Display Source Selection

422814.308 2238224.851 Feet



Untitled - ArcMap - ArcView

File Edit View Bookmarks Insert Selection Tools Window Help

1:337,033

Layers

- NERPM_LOADED_Seltd

LOS Calculator

- LOS Calculator

ConfigurationEditor

A Node Field: A

B Node Field: B

Area Type Field: AREA_TYPE

Facility Type Field: FACILITY_T

Number of Lanes Field: NUM_LANES

Volumes Field: FACILITY_T, AREA_TYPE, NUM_LANES

MOCF: UROADFACTO, CONFAC, BPRCOEFFIC, BPREXPONEN, CAPACITY

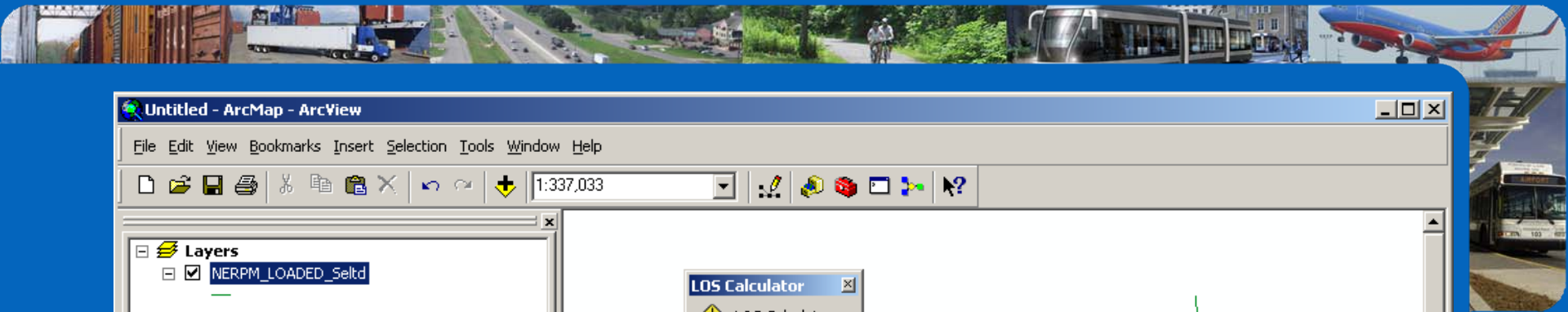
Symbolize Options: A B C

OK Cancel

Display Source Selection

422814.308 2238224.851 Feet





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File Edit View Bookmarks Insert Selection Tools Window Help

1:337,033

Layers

- NERPM_LOADED_Seltd

LOS Calculator

- LOS Calculator

Data Loading.....

Loading input data from model network

Cancel

Display Source Selection

426617.632 2238224.851 Feet



Untitled - ArcMap - ArcView

File Edit View Bookmarks Insert Selection Tools Window Help

1:337,033

Layers

- NERPM_LOADED_Selctd

LOS Calculator

- LOS Calculator

LOS Calculator status report

LOS values could not be calculated for some features. Do you want to save a status report ?

Yes No

Display Source Selection

426617.632 2238224.851 Feet





Untitled - ArcMap - ArcView

File Edit View Bookmarks Insert Selection Tools Window Help

1:337,033

Layers

- NERPM_LOADED_Selctd

LOS Calculator

- LOS Calculator

LOS Calculator status report

LOS values could not be calculated for some features. Do you want to save a status report ?

Yes No

Display Source Selection

426617.632 2238224.851 Feet



Untitled - ArcMap - ArcView

File Edit View Bookmarks Insert Selection Tools Window Help

1:337,033

Layers

Status_Report.txt - Notepad

File Edit Format View Help

The Following values were missing from the lookup Table

| A-Node | B-Node | Area Type | Facility Type | Lanes | Volume | Oneway/Two-way |
|--------|--------|-----------|---------------|-------|-------------|----------------|
| 38198 | 38318 | 11 | 64 | 2 | 0.03166 | Two-way |
| 38318 | 38394 | 11 | 64 | 2 | 0.03166 | Two-way |
| 51889 | 51957 | 33 | 11 | 4 | 54402.8125 | Two-way |
| 52393 | 52424 | 33 | 11 | 4 | 54402.8125 | Two-way |
| 52424 | 74628 | 33 | 11 | 4 | 54402.8125 | Two-way |
| 52480 | 52449 | 33 | 11 | 4 | 57732.34766 | Two-way |
| 53017 | 53122 | 33 | 11 | 4 | 60396.36718 | Two-way |
| 53054 | 74632 | 33 | 11 | 4 | 52817.08204 | Two-way |
| 53122 | 53472 | 33 | 11 | 4 | 60396.36718 | Two-way |
| 53155 | 53054 | 33 | 11 | 4 | 52817.08204 | Two-way |
| 53472 | 53522 | 33 | 11 | 4 | 60396.36718 | Two-way |
| 53522 | 54128 | 33 | 11 | 4 | 60396.36718 | Two-way |
| 53524 | 53155 | 33 | 11 | 4 | 59079.54688 | Two-way |
| 53569 | 53524 | 33 | 11 | 4 | 59079.54688 | Two-way |
| 54128 | 54148 | 33 | 11 | 4 | 60396.36718 | Two-way |
| 54152 | 53569 | 33 | 11 | 4 | 59079.54688 | Two-way |
| 54175 | 54152 | 33 | 11 | 4 | 59079.54688 | Two-way |
| 74628 | 74630 | 33 | 11 | 4 | 54402.8125 | Two-way |
| 74630 | 53017 | 33 | 11 | 4 | 54402.8125 | Two-way |
| 74632 | 52480 | 33 | 11 | 4 | 52817.08204 | Two-way |

The Following links were using Non-Standard FSUTMS Area Type codes. 0 These were converted to default values as follows

| Model | default |
|-------|---------|
| 49 | 40 |
| 22 | 20 |
| 23 | 20 |
| 35 | 30 |
| 29 | 20 |

374541.339 2234421.527 Feet





Untitled - ArcMap - ArcView

File Edit View Bookmarks Insert Selection Tools Window Help

1:337,033

Layers

- MERPM_LOADED_Seltd
 - <all other values>
 - LOS
 - D
 - E
 - F

LOS Calculator

LOS Calculator

LOS Calculation status

Successfully completed calculating LOS values.

OK

Display Source Selection

426617.632 2238224.851 Feet





Untitled - ArcMap - ArcView

File Edit View Bookmarks Insert Selection Tools Window Help

1:158,926

Layers

- NERPM_LOADED_Seltd
 - <all other values>
 - LOS
 - A
 - B
 - C
 - D
 - E
 - F

LOS Calculator

LOS Calculator

ConfigurationEditor

A Node Field: A

B Node Field: B

Area Type Field: AREA_TYPE

Facility Type Field: FACILITY_T

Number of Lanes Field: NUM_LANES

Volumes Field: VOLTOTAL00

MOCF: 1 [> 0 and <= 1]

Symbolize Options

A B C D E F

OK Cancel

Display Source Selection

433387.027 2202934.089 Feet





Untitled - ArcMap - ArcView

File Edit View Bookmarks Insert Selection Tools Window Help

1:158,926

Layers

- NERPM_LOADED_Seltd
 - <all other values>
 - LOS
 - A
 - B
 - C
 - D
 - E
 - F

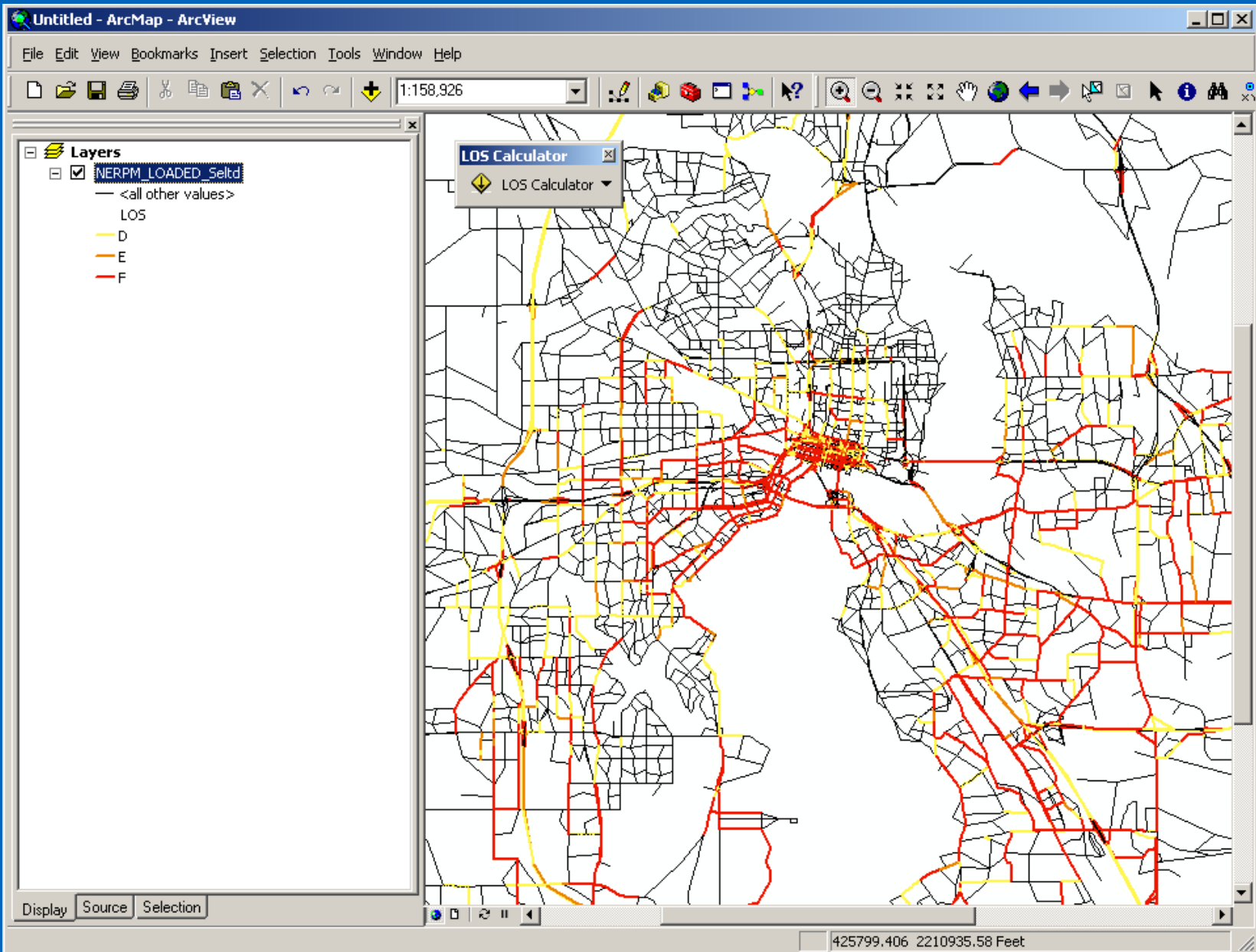
LOS Calculator

- LOS Calculator
 - Calculate LOS
 - Symbolize LOS
 - Configuration

Display Source Selection

411175.991 2213694.715 Feet







Contact

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