Proposition 400 Noise Mitigation

Transportation Policy Committee
December 12, 2007

MARICOPA ASSOCIATION of GOVERNMENTS

ON THE MOVE
PARTNERS IN PROGRESS

Requests

- **Phoenix**
  - I-17 & Camelback
  - I-10, 7th Ave to 15th Ave
  - L101 & 51st Ave
  - L101 & 7th St.
  - SR51 & Greenway
- **Scottsdale**
  - L101 & 90th St
  - L101 & Cactus
- **Peoria**
  - L101, Peoria to Grand
  - L101, Olive to Peoria
  - L101, Northern to Olive
- **Maricopa County**
  - L303, Deer Valley to north of Robertson Dr
- **Glendale Reimbursement**
  - L101, 51st Ave to Union Hills

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Glendale Funded Noise Walls

<u>L101, Union Hills to 59th Ave</u>

August 22, 2007

10:55 am – 2:05 pm

Leq: 55.0 dBA – 60.3 dBA

Lmax: 61.8 dBA – 73.6 dBA

AADT (2006): 130,000

Future Improvements: Yes, Phase 4

Barrier Cost: $9,321,850

I-17 & Camelback Road

August 16, 2007

2:00 pm – 2:20 pm

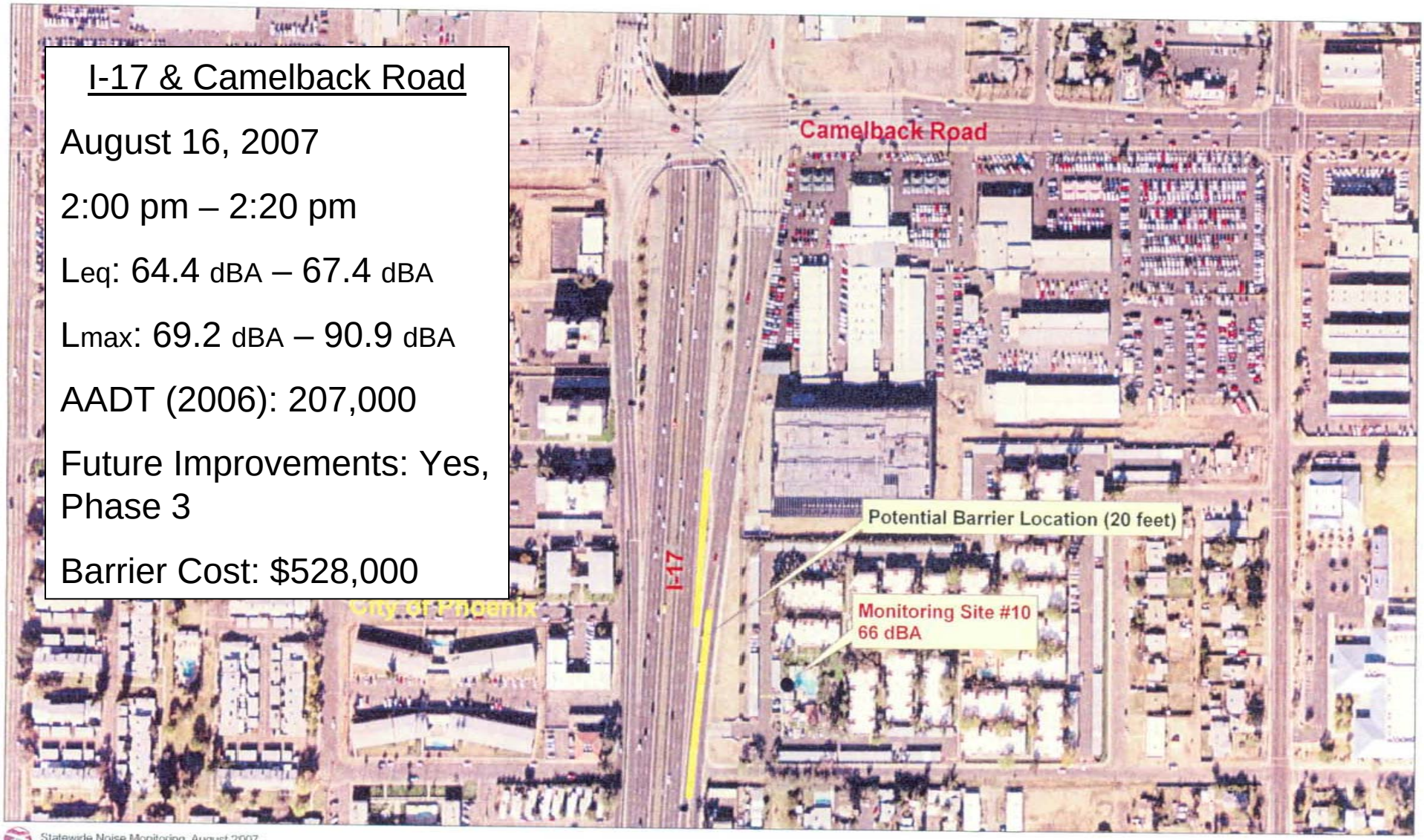
Leq: 64.4 dBA – 67.4 dBA

Lmax: 69.2 dBA – 90.9 dBA

AADT (2006): 207,000

Future Improvements: Yes, Phase 3

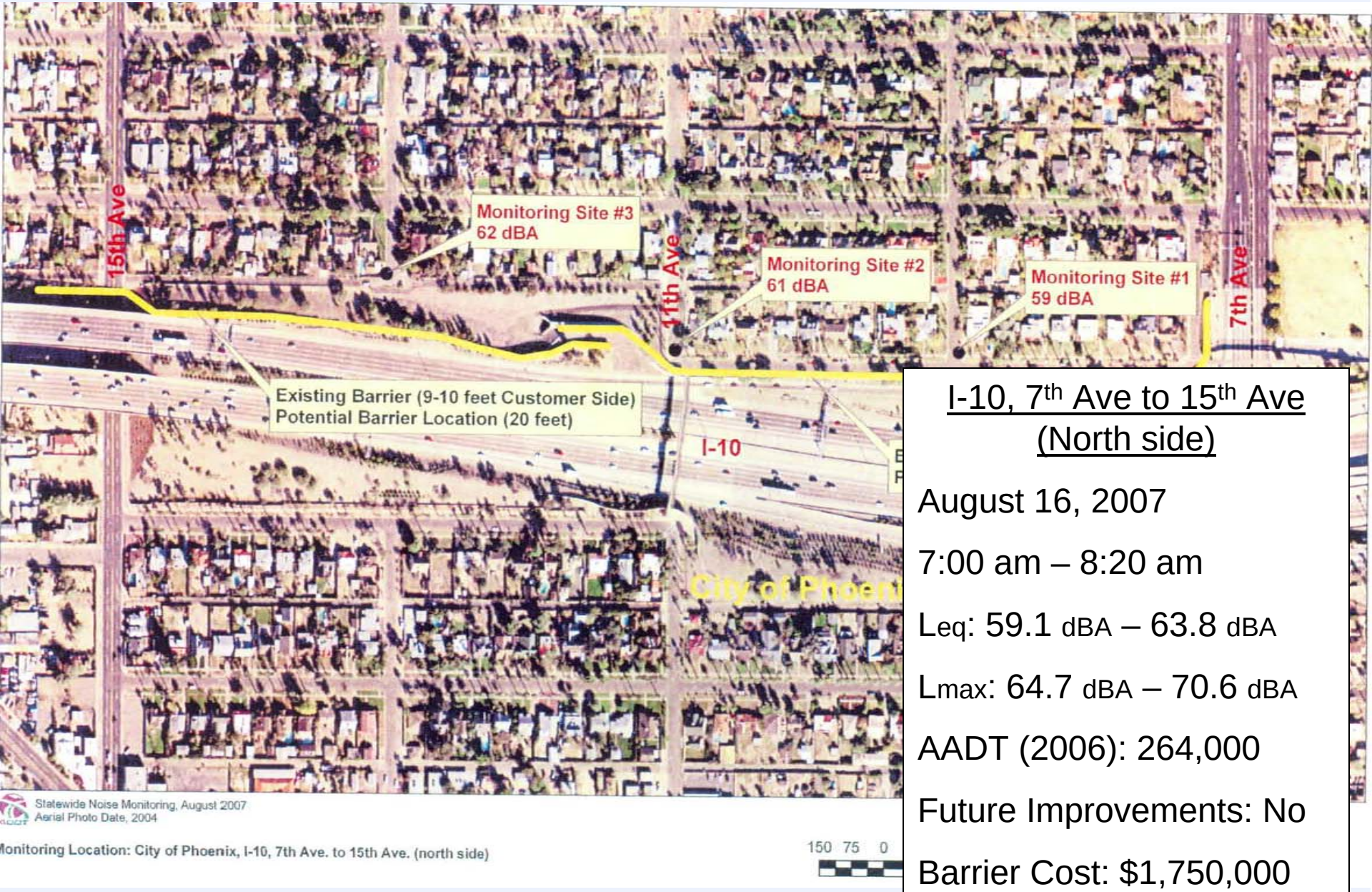
Barrier Cost: $528,000



Statewide Noise Monitoring, August 2007
Aerial Photo Date, 2004

Monitoring Location: City of Phoenix, East side of I-17, just south of Camelback (2-story condos)

150 75 0 150 300 450 600 Feet



I-10, 7th Ave to 15th Ave (North side)

August 16, 2007

7:00 am – 8:20 am

Leq: 59.1 dBA – 63.8 dBA

Lmax: 64.7 dBA – 70.6 dBA

AADT (2006): 264,000

Future Improvements: No

Barrier Cost: $1,750,000

SR 101 & 51st Ave

August 22, 2007

1:10 pm – 1:30 pm

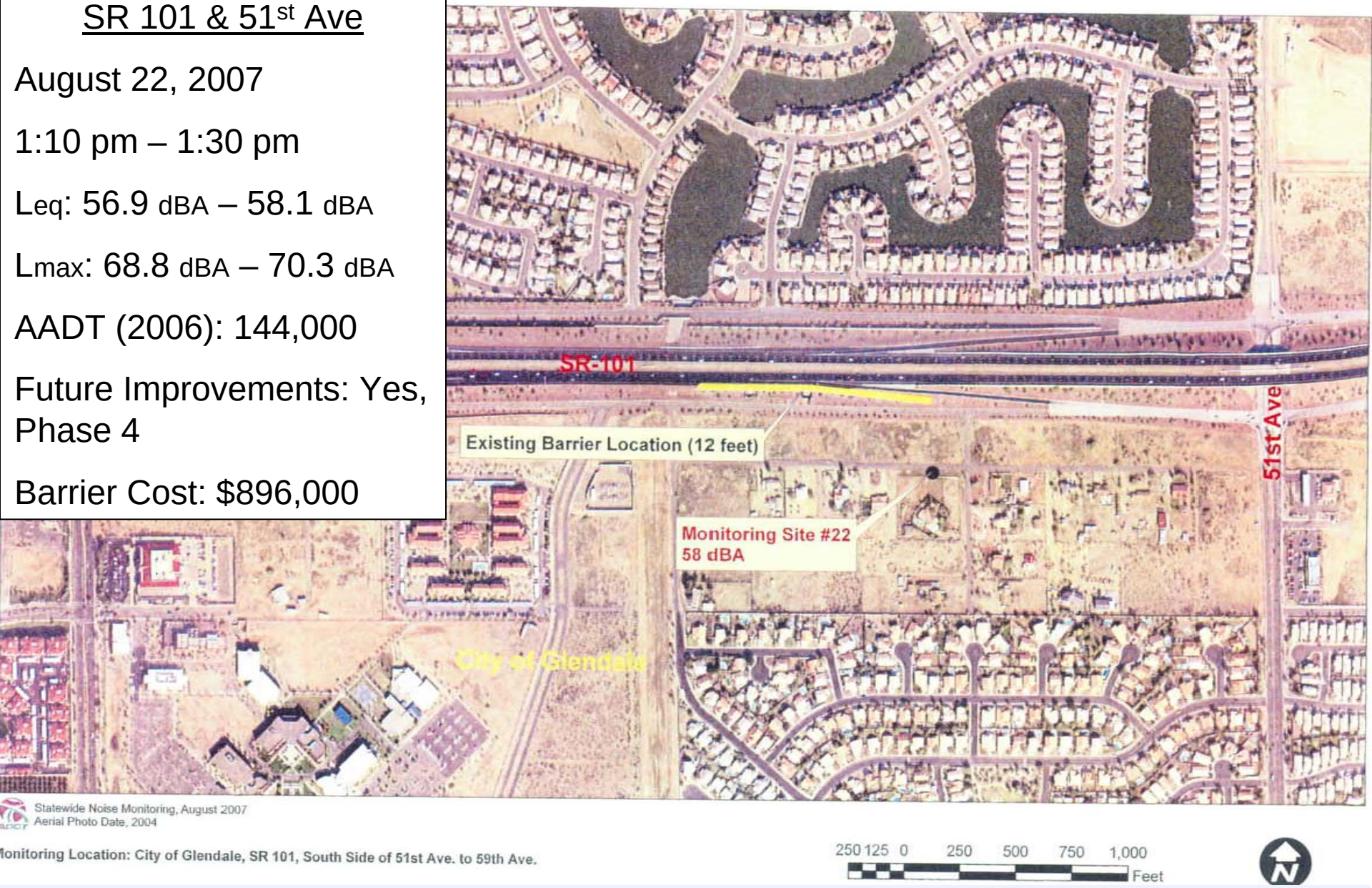
Leq: 56.9 dBA – 58.1 dBA

Lmax: 68.8 dBA – 70.3 dBA

AADT (2006): 144,000

Future Improvements: Yes, Phase 4

Barrier Cost: $896,000



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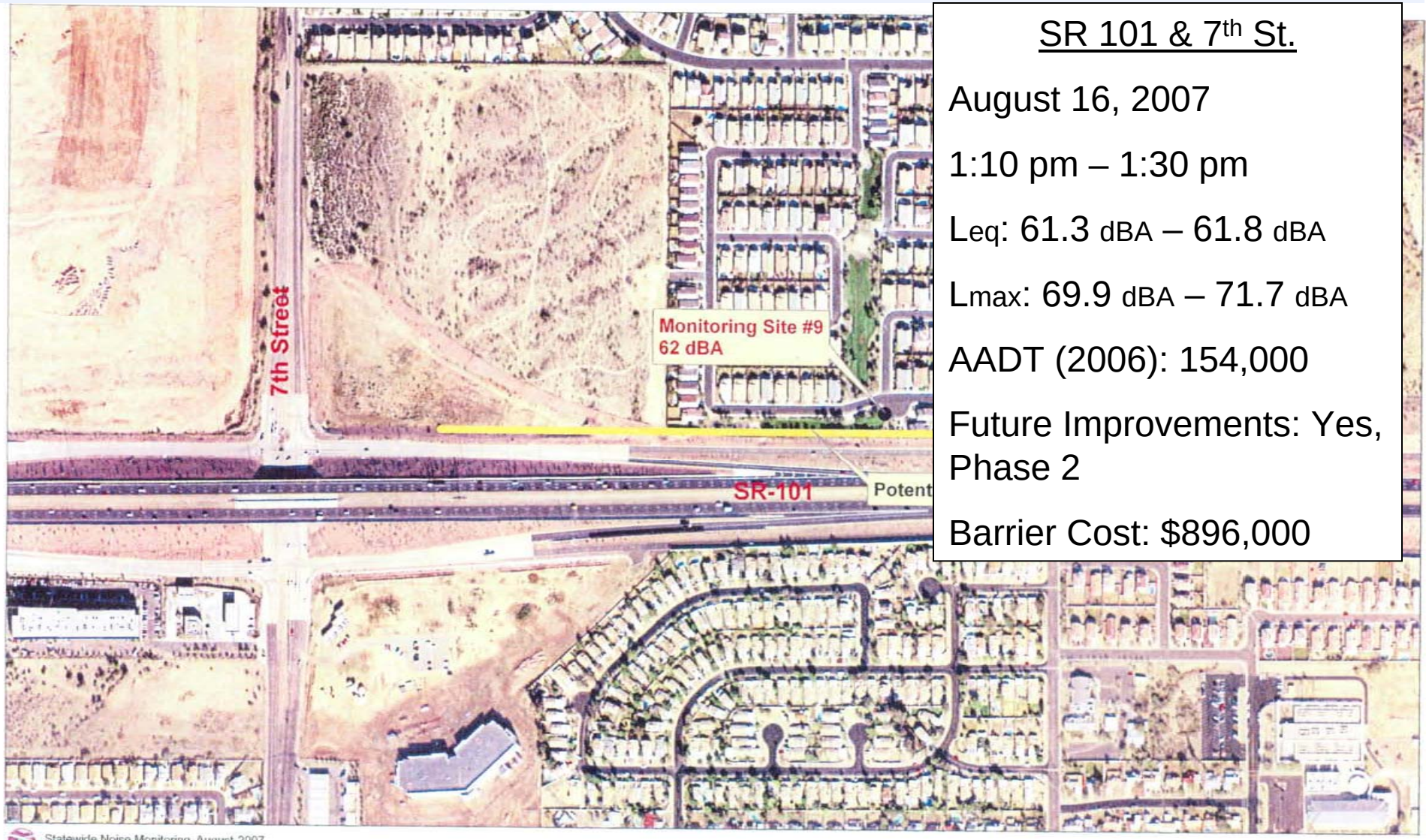


Statewide Noise Monitoring, August 2007
Aerial Photo Date, 2004

Monitoring Location: City of Phoenix, SR 101 and 7th Street (NEC)

210 105 0 210 420 630 840 Feet

SR 101 & 7th St.

August 16, 2007

1:10 pm – 1:30 pm

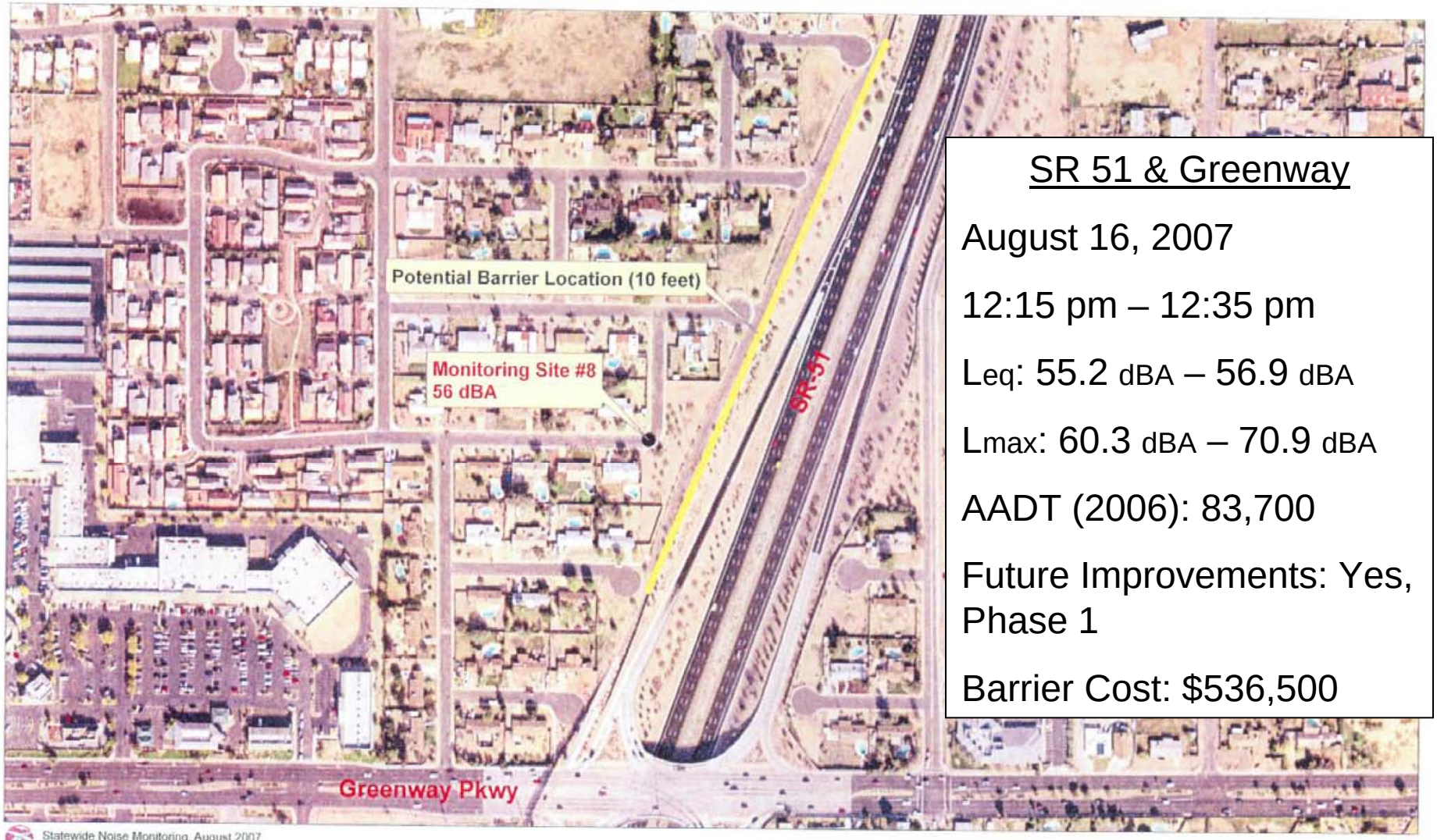
Leq: 61.3 dBA – 61.8 dBA

Lmax: 69.9 dBA – 71.7 dBA

AADT (2006): 154,000

Future Improvements: Yes, Phase 2

Barrier Cost: $896,000



Statewide Noise Monitoring, August 2007
Aerial Photo Date, 2004

Monitoring Location: City of Phoenix, SR 51 and Greenway Pkwy (NWC)

150 75 0 150 300 450 600 Feet

SR 51 & Greenway

August 16, 2007

12:15 pm – 12:35 pm

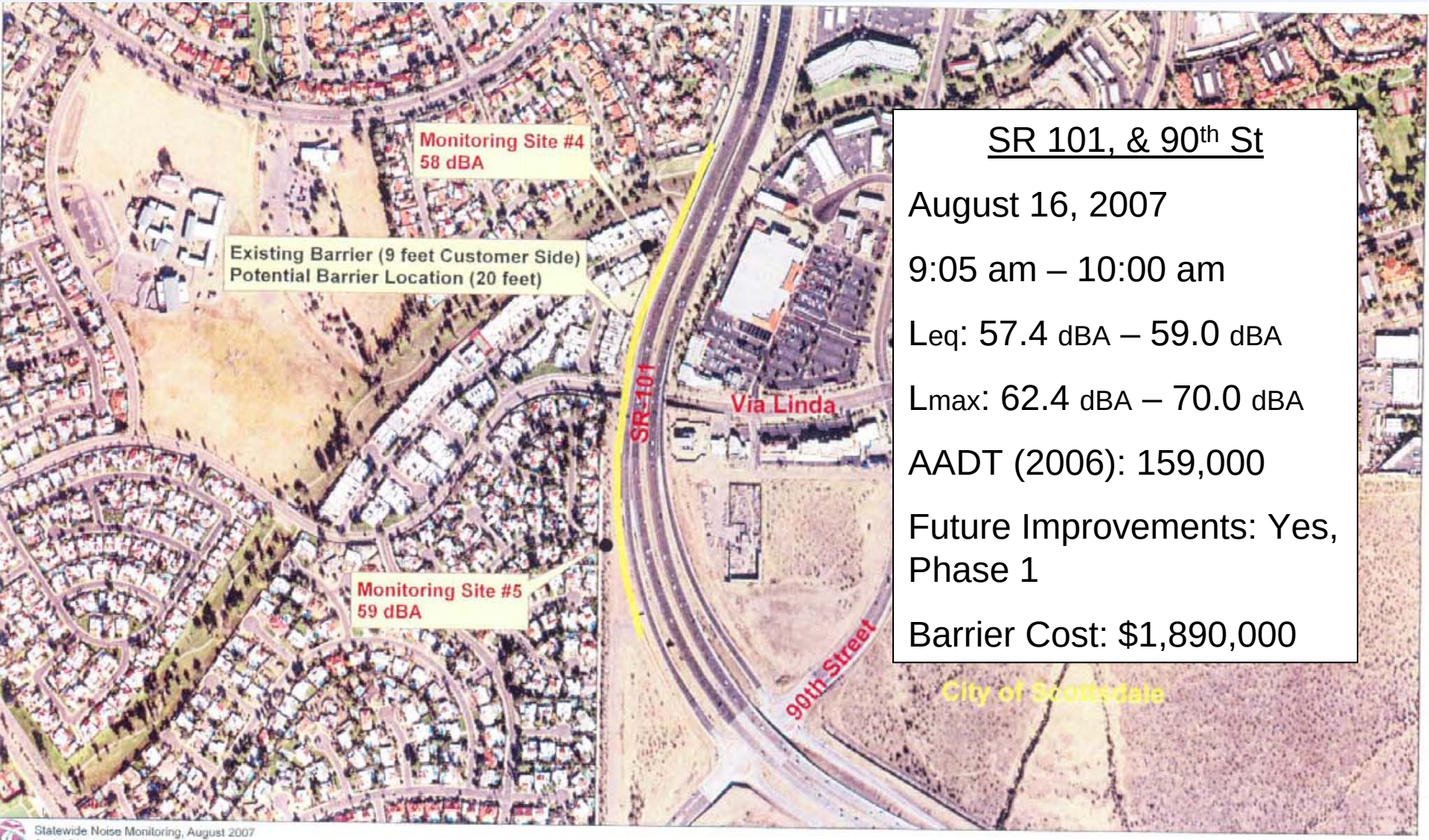
Leq: 55.2 dBA – 56.9 dBA

Lmax: 60.3 dBA – 70.9 dBA

AADT (2006): 83,700

Future Improvements: Yes, Phase 1

Barrier Cost: $536,500



SR 101, & 90th St

August 16, 2007

9:05 am – 10:00 am

Leq: 57.4 dBA – 59.0 dBA

Lmax: 62.4 dBA – 70.0 dBA

AADT (2006): 159,000

Future Improvements: Yes, Phase 1

Barrier Cost: $1,890,000

Statewide Noise Monitoring, August 2007
Aerial Photo Date, 2004

Monitoring Location: City of Scottsdale, SR 101 and 90th Street (NWC)

300 150 0 300 600 900 1,200 Feet

SR 101, & Cactus Road

August 16, 2007

10:15 am – 11:00 am

Leq: 53.1 dBA – 58.4 dBA

Lmax: 64.1 dBA – 72.5 dBA

AADT (2006): 160,000

Future Improvements: Yes, Phase 1

Barrier Cost: $2,842,000

atewide Noise Monitoring, August 2007
erial Photo Date: 2004

ing Location: City of Scottsdale, SR 101 and Cactus Road (NWC)

300 150 0 300 600 900 1,200 Feet

SR 101, Peoria to Grand

August 22, 2007

9:20 am – 10:40 am

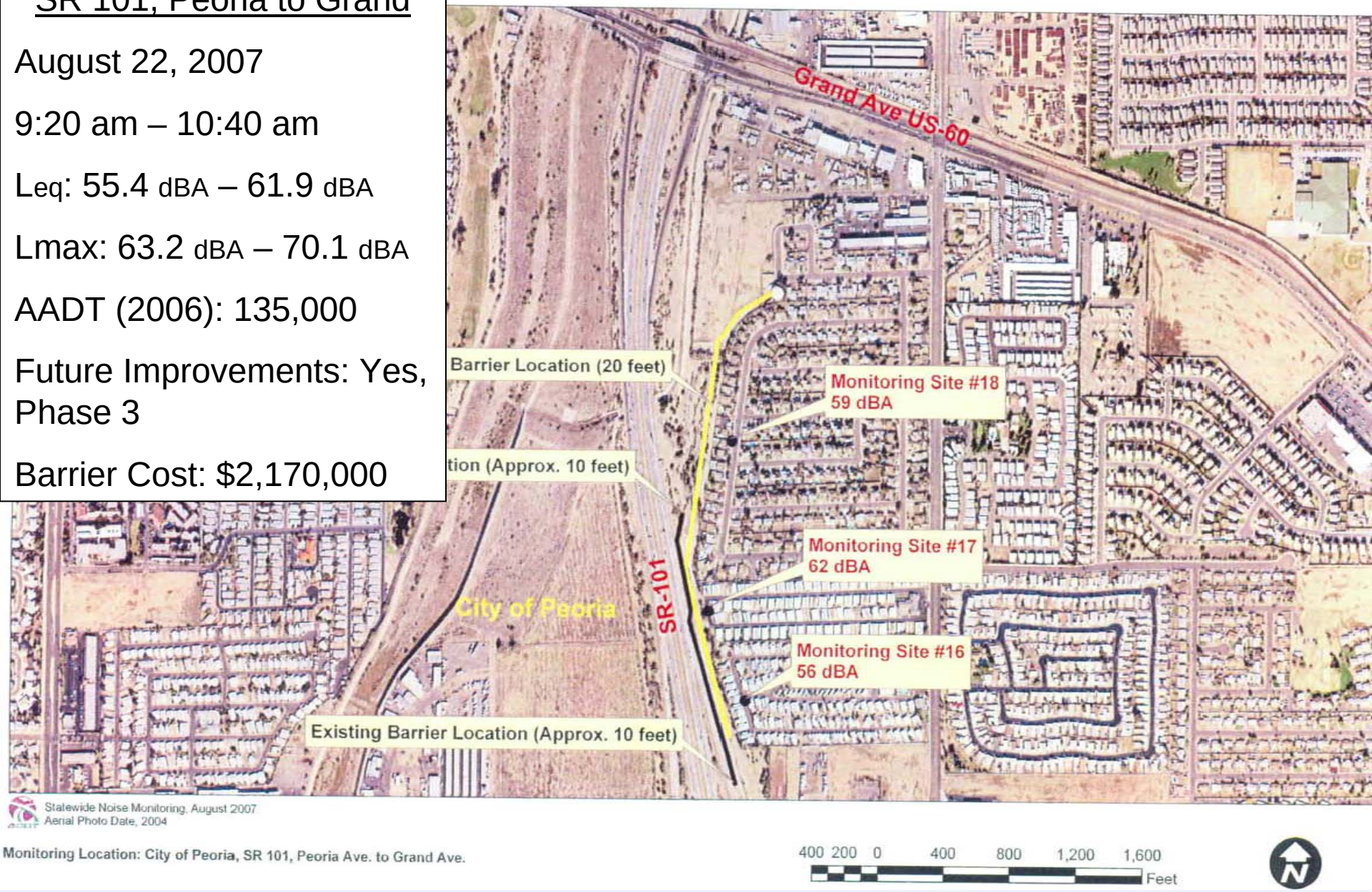
Leq: 55.4 dBA – 61.9 dBA

Lmax: 63.2 dBA – 70.1 dBA

AADT (2006): 135,000

Future Improvements: Yes, Phase 3

Barrier Cost: $2,170,000



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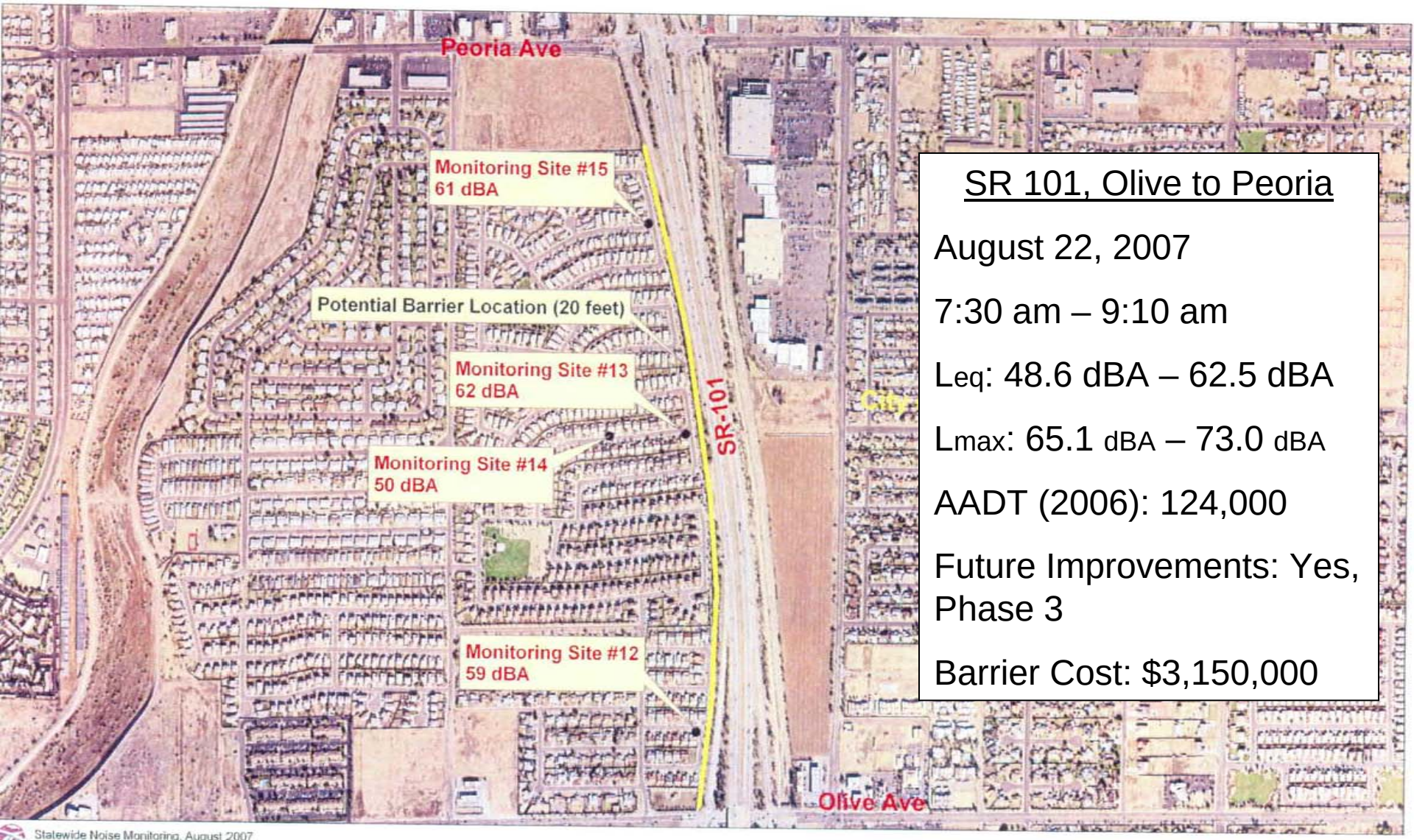

SR 101, Olive to Peoria

August 22, 2007

7:30 am – 9:10 am

Leq: 48.6 dBA – 62.5 dBA

Lmax: 65.1 dBA – 73.0 dBA

AADT (2006): 124,000

Future Improvements: Yes, Phase 3

Barrier Cost: $3,150,000

Statewide Noise Monitoring, August 2007
Aerial Photo Date, 2004

Monitoring Location: City of Peoria, SR 101, Olive Ave. to Peoria Ave.

500 250 0 500 1,000 1,500 2,000 Feet

SR 101, Northern to Olive

August 22, 2007

2:25 pm – 2:45 pm

Leq: 60.2 dBA – 60.4 dBA

Lmax: 67.5 dBA – 70.9 dBA

AADT (2006): 124,000

Future Improvements: Yes, Phase 3

Barrier Cost: $1,750,000

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L303, Deer Valley to Robertson Dr.

April 23, 2007

6:57 am – 7:27 am

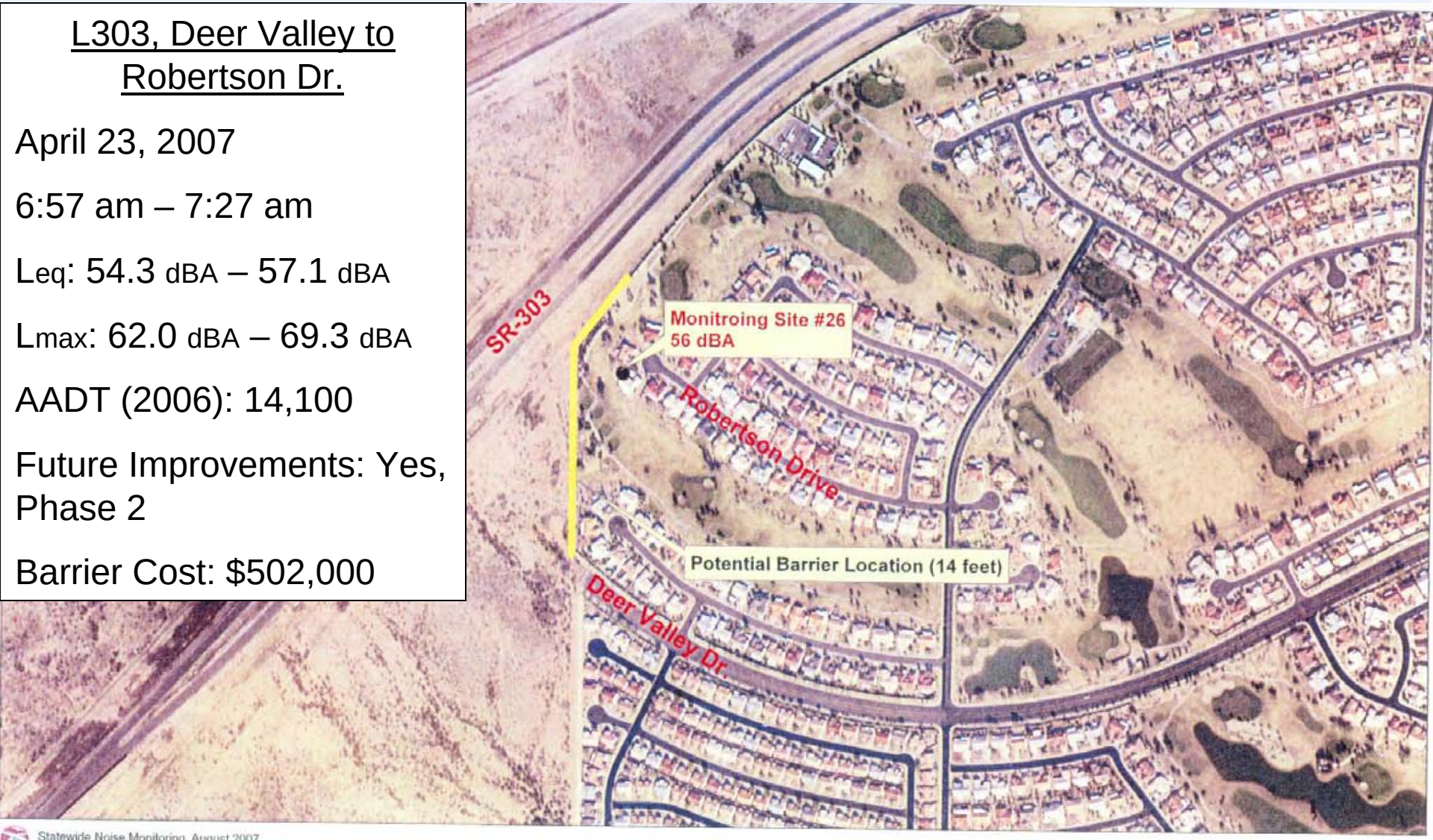
Leq: 54.3 dBA – 57.1 dBA

Lmax: 62.0 dBA – 69.3 dBA

AADT (2006): 14,100

Future Improvements: Yes, Phase 2

Barrier Cost: $502,000



Statewide Noise Monitoring, August 2007
Aerial Photo Date, 2004

Monitoring Location: Sun City West, Deer Valley Road to North of Robertson Drive

200100 0 200 400 600 800 Feet

Next Steps

- Recommend that ADOT proceed with noise modeling (60 days)
- Refine cost estimates
- Determine projects to move forward
- Final design
- Construction

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