

Texas Department of Transportation  
State Highway (SH) 99, Grand Parkway, Segments H and I-1  
USACE File No. SWG-2012-00153

**TABLE 1. Acreages of Wetlands and other Surface Waters within Segments H and I-1 ROW**

| Feature Name    | Plan and<br>Profile<br>Sheet<br>Number(s) | Feature<br>Type* | Jurisdictional<br>Acreage |
|-----------------|-------------------------------------------|------------------|---------------------------|
| <b>WETLANDS</b> |                                           |                  |                           |
| Wetland 02      | 2 of 63                                   | PEM              | 0.01                      |
| Wetland 03      | 2 of 63                                   | PFO              | 0.04                      |
| Wetland 04      | 3 of 63                                   | PEM              | 0.02                      |
| Wetland 05      | 3 of 63                                   | PEM              | 0.01                      |
| Wetland 06      | 3 of 63                                   | PEM              | 0.02                      |
| Wetland 07      | 3 of 63                                   | PEM              | 0.04                      |
| Wetland 08      | 5 of 63                                   | PFO              | 0.94                      |
| Wetland 09      | 8 of 63                                   | PFO              | 1.09                      |
| Wetland 10      | 8 of 63                                   | PEM              | 0.14                      |
| Wetland 11      | 9 of 63                                   | PFO              | 13.55                     |
| Wetland 13      | 10-11 of<br>63                            | PFO              | 11.18                     |
| Wetland 14      | 12 of 63                                  | PEM              | 0.02                      |
| Wetland 15      | 12 of 63                                  | PEM              | 0.04                      |
| Wetland 16      | 13 of 63                                  | PFO              | 0.10                      |
| Wetland 17      | 13 of 63                                  | PSS              | 0.28                      |
| Wetland 18      | 13 of 63                                  | PEM              | 0.01                      |
| Wetland 19      | 14 of 63                                  | PEM              | 0.32                      |
| Wetland 20      | 14 of 63                                  | PFO              | 0.08                      |
| Wetland 21      | 15 of 63                                  | PFO              | 0.73                      |
| Wetland 22      | 16 of 63                                  | PSS              | 2.76                      |
| Wetland 23      | 16 of 63                                  | PEM              | 0.05                      |

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| Feature Name | Plan and<br>Profile<br>Sheet<br>Number(s) | Feature<br>Type* | Jurisdictional<br>Acreage |
|--------------|-------------------------------------------|------------------|---------------------------|
| Wetland 29   | 23 of 63                                  | PFO              | 0.55                      |
| Wetland 30   | 24 of 63                                  | PFO              | 3.24                      |
| Wetland 40   | 31 of 63                                  | PFO              | 0.56                      |
| Wetland 43   | 33 of 63                                  | PEM              | 0.59                      |
| Wetland 44   | 33 of 63                                  | PEM              | 0.27                      |
| Wetland 46   | 34 of 63                                  | PEM              | 0.18                      |
| Wetland 46A  | 34 of 63                                  | PEM              | 0.07                      |
| Wetland 51   | 40 of 63                                  | PEM              | 0.52                      |
| Wetland 51A  | 41 of 63                                  | PEM              | 0.38                      |
| Wetland 55   | 43 of 63                                  | PEM              | 1.41                      |
| Wetland 68   | 48 of 63                                  | PEM              | 6.71                      |
| Wetland 80   | 50 of 63                                  | PFO              | 6.60                      |
| Wetland 86A  | 51 of 63                                  | PFO              | 1.78                      |
| Wetland 89   | 52 of 63                                  | PEM              | 0.91                      |
| Wetland 91   | 53 of 63                                  | PEM              | 1.04                      |
| Wetland 92   | 54 of 63                                  | PFO              | 8.99                      |
| Wetland 93   | 55 of 63                                  | PFO              | 3.59                      |
| Wetland 97   | 56 of 63                                  | PEM              | 0.08                      |
| Wetland 101  | 57 of 63                                  | PEM              | 0.41                      |
| Wetland 102  | 58 of 63                                  | PEM              | 0.05                      |
| Wetland 103  | 58 of 63                                  | PEM              | 0.20                      |
| Wetland 104  | 59 of 63                                  | PEM              | 0.13                      |
| Wetland 106  | 59 of 63                                  | PFO              | 0.12                      |

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|----------------------|----------------------------------|---------------|------------------------|
| Wetland 112          | 62 of 63                         | PFO           | 12.38                  |
| Wetland 113          | 63 of 63                         | PEM           | 1.22                   |
| Wetland 117          | 3 of 63                          | PFO           | 1.36                   |
| <b>WETLAND TOTAL</b> |                                  |               | <b>84.77</b>           |
| <b>DITCHES</b>       |                                  |               |                        |
| Wetland 01           | 1 of 63                          | Ditch         | 0.23                   |
| Wetland 25           | 18 of 63                         | Ditch         | 0.15                   |
| Wetland 26           | 19 of 63                         | Ditch         | 0.20                   |
| Wetland 27           | 20 of 63                         | Ditch         | 0.42                   |
| Wetland 28           | 21 of 63                         | Ditch         | 0.09                   |
| Wetland 31           | 25 of 63                         | Ditch         | 0.26                   |
| Wetland 32           | 25 of 63                         | Ditch         | 0.21                   |
| Wetland 34           | 26 of 63                         | Ditch         | 0.30                   |
| Wetland 35           | 27 of 63                         | Ditch         | 0.04                   |
| Wetland 36           | 27 of 63                         | Ditch         | 0.05                   |
| Wetland 37           | 27 of 63                         | Ditch         | 0.01                   |
| Wetland 38           | 29 of 63                         | Ditch         | 0.07                   |
| Wetland 38A          | 30 of 63                         | Ditch         | 0.13                   |
| Wetland 41           | 33 of 63                         | Ditch         | 0.24                   |
| Wetland 42           | 33 of 63                         | Ditch         | 0.61                   |
| Wetland 45           | 34-35 of 63                      | Ditch         | 0.65                   |
| Wetland 47           | 36 of 63                         | Ditch         | 0.10                   |
| Wetland 48           | 38 of 63                         | Ditch         | 0.04                   |

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| Feature Name | Plan and<br>Profile<br>Sheet<br>Number(s) | Feature<br>Type* | Jurisdictional<br>Acreage |
|--------------|-------------------------------------------|------------------|---------------------------|
| Wetland 49   | 38 of 63                                  | Ditch            | 0.08                      |
| Wetland 50   | 39 of 63                                  | Ditch            | 0.15                      |
| Wetland 52   | 41 of 63                                  | Ditch            | 0.13                      |
| Wetland 53   | 41 of 63                                  | Ditch            | 0.09                      |
| Wetland 54   | 42 of 63                                  | Ditch            | 0.11                      |
| Wetland 56   | 43 of 63                                  | Ditch            | 0.14                      |
| Wetland 57   | 43 of 63                                  | Ditch            | 0.14                      |
| Wetland 58   | 44 of 63                                  | Ditch            | 0.07                      |
| Wetland 59   | 44 of 63                                  | Ditch            | 0.11                      |
| Wetland 60   | 45 of 63                                  | Ditch            | 0.12                      |
| Wetland 61   | 45 of 63                                  | Ditch            | 0.27                      |
| Wetland 62   | 46 of 63                                  | Ditch            | 0.34                      |
| Wetland 66   | 47 of 63                                  | Ditch            | 0.12                      |
| Wetland 67   | 48 of 63                                  | Ditch            | 0.15                      |
| Wetland 79   | 49 of 63                                  | Ditch            | 0.10                      |
| Wetland 81   | 50 of 63                                  | Ditch            | 0.18                      |
| Wetland 82   | 50 of 63                                  | Ditch            | 0.09                      |
| Wetland 83   | 51 of 63                                  | Ditch            | 0.05                      |
| Wetland 86   | 51 of 63                                  | Ditch            | 0.04                      |
| Wetland 87   | 52 of 63                                  | Ditch            | 0.10                      |
| Wetland 88   | 52 of 63                                  | Ditch            | 0.10                      |
| Wetland 90   | 53 of 63                                  | Ditch            | 0.13                      |
| Wetland 94   | 56 of 63                                  | Ditch            | 0.02                      |

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| Feature Name                                          | Plan and Profile Sheet Number(s) | Feature Type* | Jurisdictional Acreage |
|-------------------------------------------------------|----------------------------------|---------------|------------------------|
| Wetland 95                                            | 56 of 63                         | Ditch         | 0.25                   |
| Wetland 98                                            | 56 of 63                         | Ditch         | 0.08                   |
| Wetland 99                                            | 56 of 63                         | Ditch         | 0.13                   |
| Wetland 100                                           | 57 of 63                         | Ditch         | 0.15                   |
| Wetland 105                                           | 59 of 63                         | Ditch         | 0.08                   |
| Wetland 108                                           | 60 of 63                         | Ditch         | 0.15                   |
| Wetland 109                                           | 60 of 63                         | Ditch         | 0.21                   |
| Wetland 110                                           | 61 of 63                         | Ditch         | 0.43                   |
| Wetland 114                                           | 63 of 63                         | Ditch         | 0.63                   |
| Wetland 115                                           | 63 of 63                         | Ditch         | 0.33                   |
| <b>DITCH TOTAL</b>                                    |                                  |               | <b>9.07</b>            |
| <b>OTHER (POND, CANAL, and AGRICULTURAL WETLANDS)</b> |                                  |               |                        |
| Wetland 12                                            | 9 of 63                          | Pond          | 0.30                   |
| Wetland 33                                            | 26 of 63                         | AG            | 2.85                   |
| Wetland 78                                            | 49 of 63                         | Canal         | 1.04                   |
| Wetland 84                                            | 51 of 63                         | AG            | 0.23                   |
| Wetland 85                                            | 51 of 63                         | Pond          | 0.73                   |
| Wetland 96                                            | 56 of 63                         | AG            | 1.45                   |
| Wetland 107                                           | 59 of 63                         | Canal         | 0.56                   |
| Wetland 111                                           | 61 of 63                         | Canal         | 0.89                   |
| Wetland 116                                           | 63 of 63                         | Canal         | 0.01                   |
| <b>OTHER TOTAL</b>                                    |                                  |               | <b>8.06</b>            |
| <b>JURISDICTIONAL WETLAND TOTAL</b>                   |                                  |               | <b>101.90</b>          |

\*Wetland classification based on Cowardin Classification System (1979)  
PEM: Palustrine Emergent Wetland

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PSS: Palustrine Scrub-Shrub Wetland  
PFO: Palustrine Forested Wetland  
AG: Agricultural Wetland

**TABLE 2. Linear Feet and Impacted Linear Feet of Streams within Segments H and I-1 ROW**

| Feature Name         | Sheet Number(s) | Feature Type | Jurisdictional Linear Feet | Linear Feet of Impacts |
|----------------------|-----------------|--------------|----------------------------|------------------------|
| Stream 01            | 4 of 63         | Stream       | 690                        | -                      |
| Stream 02            | 4 of 63         | Stream       | 944                        | 944                    |
| Stream 03            | 6 of 63         | Stream       | 1,059                      | -                      |
| Stream 04            | 6 of 63         | Stream       | 612                        | -                      |
| Stream 05            | 7 of 63         | Stream       | 582                        | -                      |
| Stream 06            | 8 of 63         | Stream       | 578                        | 578                    |
| Stream 08            | 17 of 63        | Stream       | 700                        | -                      |
| Stream 10            | 21 of 63        | Stream       | 404                        | -                      |
| Stream 11            | 22 of 63        | Stream       | 404                        | -                      |
| Stream 12            | 23 of 63        | Stream       | 449                        | -                      |
| Stream 13            | 28 of 63        | Stream       | 426                        | -                      |
| Stream 14            | 32 of 63        | Stream       | 137                        | -                      |
| Stream 15            | 32 of 63        | Stream       | 1,390                      | 120                    |
| Stream 17            | 37 of 63        | Stream       | 419                        | -                      |
| Stream 18            | 40 of 63        | Stream       | 404                        | -                      |
| <b>STREAMS TOTAL</b> |                 |              | <b>9,198</b>               | <b>1,642</b>           |

**Block 23. Description of Avoidance, Minimization, and Compensation**

Grand Parkway Segments H and I-1 alignment alternatives are located on the Gulf Coastal Plain. The project area covers approximately 10,627 acres in Montgomery, Harris, Liberty, and Chambers Counties. Within the Segments H and I-1 project area, less than 1 percent of the land is considered farmland, 0 percent rangeland, and 46 percent is forest. Approximately 41 percent is considered residential or commercial with no other urban usage, and 1 percent is