



Jonathan Thompson, P.E.
Owner / Principal



EDUCATION

- **The University of Texas at Austin**, B.S., Architectural Engineering, 1996

LICENSES & CREDENTIALS

- Professional Engineer (Texas) #92027
- LEED AP

CERTIFICATIONS

- Council of Engineering Companies Leadership Conference
- ATSSA Traffic Control Design Specialist (TCDS)

MEMBERSHIPS

- Austin Contractors & Engineers Association (ACEA), Former Board Member
- American Water Works Association, TAWWA
- American Traffic Safety Services Association (ATSSA), Associate Member

With 24+ years’ experience in the Central Texas design and construction industry, Mr. Thompson is proficient in site design, temporary traffic control, drainage and water quality design, site permitting, construction inspection, and utility design for both private development and municipal projects.

Mr. Thompson’s specialty is in the field of Temporary Traffic Control. Jonathan is currently the **only** engineer or designer in the State of **Texas** to meet the requirements and be certified as an **ATSSA Traffic Control Design Specialist** (TCDS). In addition, Mr. Thompson and Atlas Design staff are the only individuals or firm to provide plan review support to the Austin Transportation Department – Right of Way Management Division, for the review of Temporary Traffic Control Plans. Mr. Thompson has assisted ATD-ROWMAN in that role for approximately 18 months.

As a former City of Austin Public Works Project Manager, Mr. Thompson worked as a design engineer, contractor, and Owner’s representative and brings a unique perspective to a project team. Jon’s work experience includes extensive project management experience on both Texas Department of Transportation and City of Austin projects, as well as construction inspection duties on major projects, including the Austin Bergstrom International Airport and the Lamar Boulevard Reconstruction.

Mr. Thompson has performed all aspects of construction and engineering project management including field engineering from proposals to closeout, including negotiating change orders, preparing cost estimates, and managing schedules. Mr. Thompson’s knowledge of the construction process facilitates overall project management, and results in a more efficient, constructible design.

- AutoDesk Civil 3D
- Hydraflow Modules
- Pond Pack
- Storm Cad
- Culvert Master
- MicroPaver
- Rapid Plan
- Oracle
- SQL
- Microsoft Excel
- Excel VBA
- Microsoft Word
- Microsoft PowerPoint
- Microsoft Access
- HTML

RELEVANT EXPERIENCE

12221 Renfert Way, Medical Oaks Pavilion, Phase 4, Private Client North Austin Texas

Atlas' design scope included permitting and site design in the suburban Walnut Creek watershed. The Atlas team worked with COA reviewers to resolve run-on issues from a 70-acre contributing area, off-site drainage analysis, design of water quality controls, Chapter 245 determination, evaluation of the Critical Water Quality Zone, and Level 1/Level 2 Erosion Hazard Zone calculations. Atlas prepared a new site plan set to re-permit Phase 4. Site design included 200+ parking spaces, flatwork, ADA compliance, site grading, on/off site drainage



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analysis, water quality controls. Building expansion work included a 3-story 20,434 addition. Atlas also updated the Unified Development Agreement, and prepared engineer's opinion of probable cost. (2016-2018)

5810 Burleson Road, Interstate Battery Retail Warehouse, Private Client **South Austin, Texas**

Atlas Design Services performed site design for a 1.91 acre, 1-story, 17,200 SF new retail warehouse development. Atlas designed site improvements, grading, drainage, pavement, utility connections for this facility. The work was within Austin's Carson Creek and Williamson Creek (suburban) watersheds. Work included detention and water quality ponds, and 285+ linear feet of 18" RCP to tie to a storm line in the street. Atlas Design Services also performed construction phase services including submittal reviews, requests for information (RFIs) and providing updated designs as needed to match existing utilities. (2014-2016)

Walburg Travel Center and Fuel Stop, Private Client **Georgetown, Texas**

Atlas Design Services provided site design services at a 10+ acre site, in the Edwards aquifer recharge zone and Georgetown's Berry Creek watershed. Design of site plan layout allowing for large truck (rig) turning movements, grading/drainage, detention/water quality, on site water/wastewater utilities, ponds and retaining walls. Atlas prepared the Water Pollution Abatement Plan (WPAP), CoG water quality application and processed the WPAP with TCEQ. Atlas analyzed pre-/post-development rainfall runoff and post-development reservoir routing to show no increase in runoff discharge. (2015-2018)

ATD Staff Augmentation, Austin Transportation Dept (ATD)/Right of Way Management **Austin, Texas**

Supplementing City staff as an in-house traffic control plan reviewer for the ROWMAN Division at ATD, Jon is responsible for review/approval of TTC plans in the Small Cell/5G network downtown, and all site plan/general permit/CIP projects in east/north/northeast Austin. Typical workload includes up to 50 TTC plans per week to verify compliance with TMUTCD, COA Standard Details and COA Mobility Guidelines, requiring frequent coordination with staff issuing Temporary Use, Excavation, Driveway/Sidewalk, and Film permits. Some other notable reviews for which Jonathan directly provided design guidance included 42-inch water valve replacement at N Lamar / Koenig Lane, Google Fiber installation locations throughout Austin, and the AW CIP Brentwood Neighborhood W/WW Rehab Project (2018-19)

Villas at San Gabriel Traffic Control Plan (West Campus) **Austin, Texas**

Mr. Thompson designed temporary traffic control (TCP) designs for multiple phases of the residential condominium project in the West Campus area. The project included multiple phases, partial road closures and associated detour routes. Also, due to the location of the project, the pedestrian safety considerations were more complicated than most locations due to the high number of students traversing the area to reach the University of Texas Campus.

2017 Local Mobility Field Engineering for Pedestrian, Bikeway & Urban Trail; **Austin, Texas**

Jonathan created temporary traffic control (TTC) designs for multiple locations for planned sidewalk / ramp improvements. Atlas identified locations where COA Standard details were applicable, as well as designed site specific engineered TCP's. Engineered plans were prepared for multiple sites, including North Lamar Boulevard at 29th Street and 29th Street at Guadalupe Street. North Lamar and Guadalupe are both Critical Arterials. The TCP designs for the sidewalk/ramp improvements at these locations involved multiple phases, lane closures, and detailed pedestrian routing. (2017-2019)



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183 South - US Hwy 290 to State Hwy 71, Water & Wastewater Relocations, CTRMA East Austin, Texas

Mr. Thompson designed ~1,200 linear feet of water line relocations and associated abandonments related to the US 183 South CTRMA Utility Relocations project. Design work included water mains ranging from 8" to 24" diameter, associated appurtenances, ARVs, FHs, valves, erosion/sedimentation control plans, temporary traffic control plans, system abandonment, and system shutout planning for areas of work inside both COA & TxDOT ROWs. Mr. Thompson self-performed all design and drafting, utilizing AutoCAD Civil 3D. (2015-2018)

2020 City of Austin Sidewalk Program, Atlas Design Services: Mr. Thompson designed Temporary Traffic Control Plans (TCPs) meeting both Texas Manual of Uniform Traffic Control Devices (TMUTCD) and City of Austin requirements. He submitted plans for review to the City of Austin Transportation Department and addressed any comments needed for plan approval.

2017 City of Austin Sidewalk Program, Atlas Design Services: Mr. Thompson performed site visits to document project progress and prepared progress and final reports for the City of Austin Sidewalk Program. In addition, Mr. Thompson prepared multiple Temporary Traffic Control Plans (TCPs) for sites throughout Austin where proposed sidewalk work was to be constructed.

US 183 South – Package 14, Atlas Design Services: Mr. Thompson served as the project principal, design engineer, project manager, and drafter for the large diameter water line replacement project. The project included over 1,000 LF of 24" diameter water main design along with the associated traffic control design for the project adjacent to Levander Loop in east Austin.

US 183 South – Package 20, Atlas Design Services: Jonathan served as the project principal, design engineer, project manager, and drafter for the large diameter water line replacement project. The project included approximately 200 LF of 24" diameter water main design along with the associated traffic control design for the project adjacent to Levander Loop in east Austin.

Georgetown Travel Center, Atlas Design Services, Austin: Mr. Thompson served as the Principal Engineer, project manager, design engineer, and drafter for the design of the 60 acre travel center. The scope of work included Texas Commission on Environmental Quality (TCEQ), Williamson County, and City of Georgetown permitting, site grading design, water quality, storm water detention, storm sewer, domestic water, and wastewater (force main) facilities.

Cameron Road Retail, Atlas Design Services, Austin: Mr. Thompson served as the Principal Engineer, project manager, design engineer, and drafter for the site plan design of this 5,000 SF retail space. The project included water and wastewater utility design, site drainage and grading, temporary traffic control plans, and erosion and sedimentation plans. In addition, he worked closely with the design architect to ensure that the site met the new City of Austin Commercial Design Standards.

St. Elmo Collision Center, Atlas Design Services, Austin: Mr. Thompson served as the Principal Engineer, project manager, design engineer, and drafter for update of the existing site plan in order to include the addition of a 10,000 SF warehouse facility with associated utilities. The project included water and wastewater utility design, temporary traffic control plans, and erosion and sedimentation plans.



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1108 Omega Tap Plan, Atlas Design Services: Mr. Thompson served as the Principal Engineer, project manager, design engineer, and drafter for water and wastewater tap plan for the residential development in East Austin. The project included utility coordination, water, and wastewater service design, and permitting.

Hurst Creek MUD Walking Trail Design, Atlas Design Services: Mr. Thompson served as the Principal Engineer, project manager, design engineer, and drafter for the walking trail design project in The Hills subdivision, in Lakeway, Texas. The project included the design of walking paths at two creek crossings within the subdivision. To reduce costs to the owner, the existing roadway bridges were used, while still creating a safe and attractive walking path for the facility users. The proposed design incorporated the existing trail master plan and added accessibility and safety components specific to the two sites.

Erosion Hazard Zone Analysis – 2703 Pecos, Atlas Design Services: Mr. Thompson served as the drafter for the erosion hazard zone analysis for the proposed residence at 2703 Pecos. Drafting included using Autodesk Civil 3D to create topographic maps of the creek and surrounding areas near the proposed development. In addition, creek alignment, section locations, and cross section drawings were developed for use in the analysis.

Erosion Hazard Zone Analysis – 8904 Spring Lake, Atlas Design Services: Mr. Thompson served as the drafter for the erosion hazard zone analysis for the proposed residence at 8904 Spring Lake. Drafting included using Autodesk Civil 3D to create topographic maps of the creek and surrounding areas near the proposed development. In addition, creek alignment, section locations, and cross section drawings were developed for use in the analysis.

Central Business District Alleys Water & Wastewater Rehabilitation, City of Austin Public Works: Jonathan served as the City of Austin Project Manager on the \$2.5M project to replace deteriorating water and wastewater lines in the alleyways of Austin’s Central Business District (CBD). The utility lines were initially installed in the 1930’s, and the system was expanded as Austin’s Central Business District grew. The existing lines were subject to frequent breakage and leakage and repair costs increased above a level acceptable to the Austin Water Utility. The project included over 6,000 linear feet of upgrades to water and wastewater lines, as well as pavement repairs in the impacted streets and alleys. Mr. Thompson worked closely with the design team, City of Austin Construction Inspection (CID), Austin Water Utility (AWU), the Contractor, and multiple downtown stakeholders to coordinate the design and construction of the project.

S 135 Water/Wastewater Program - Segment 2/5, City of Austin Public Works: Mr. Thompson served as the City of Austin Project Manager on a \$7M project to design and install approximately 5,000 LF of 36" diameter water transmission main. In addition to traditional open cut ductile iron pipe installation, the project included unique design and construction challenges related to the use of welded steel pipe and tunneling required beneath Slaughter and Onion Creeks in south Austin. In addition, extensive easement negotiations and acquisitions were required in order to gain temporary workspace required for the project. Jonathan was responsible for all City of Austin management processes related to the projects. Standard tasks included negotiation of consultant scope/cost for rotation list assignments, review of consultant and contractor pay applications, and obtaining approval for project activities through City of Austin boards and commissions, and the City Council.



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S I35 Water/Wastewater Program - Segment 9.1, City of Austin Public Works: Mr. Thompson served as the City of Austin Project Manager on the \$2.2M project to provide water and wastewater service to the southeast Austin area. This project included the installation of 6,800 linear feet of 42-inch diameter water line along with typical appurtenances. The project was especially challenging due to the need to obtain a significant length of water and access easements, as well as environmental variances for encroachments into the Critical Water Quality Zone of Rinard Creek.

S I35 Water/Wastewater Program - Segment 13/14, City of Austin Public Works: Mr. Thompson served as the City of Austin Project Manager on a \$1.4M project to provide water and wastewater service to the southeast Austin area. This project included the installation of 4,400 linear feet of 42-inch diameter water line, typical appurtenances, and the removal and/or relocation of approximately 1,000 linear feet of existing utilities.

S I35 Water/Wastewater Program - Segment 17/18/19, City of Austin Public Works: Mr. Thompson served as the City of Austin Project Manager on a \$2.5M project to provide water and wastewater service to the southeast Austin area. This project included the installation of 7,200 linear feet of 42-inch diameter waterline along the future Right-of-Way corridor for Slaughter Lane. Comprehensive coordination and design were incorporated into the project to avoid future conflicts with the Slaughter Lane construction and eliminate duplication of work between the two projects. The project also involved easement negotiation with multiple property owner stakeholders, including eminent domain proceedings.