UIL Robotics State Championships *FIRST* Division for *FIRST* Robotics competition

6th Annual TRR **July 2016**

TEXAS ROBOT ROUNDUP

July 28th—July 30th

Austin Convention Center

500 E Cesar Chavez St, Austin TX

Texas Robot Round Up Planning Committee

ausTIN CANs, FRC #2158, Texplosion, FRC #2789

Lady Cans, FRC #2881, Shadetree Mechanics, FRC #3999

***FIRST* Tech Challenge:**

Teams design, build, and compete on a small field of play. The inaugural UIL State Championship will host 48 teams in competition Thursday and Friday.

***FIRST* Robotics Competition:**

Teams work together to build a team brand, then build and program robots to perform prescribed tasks before a field of competitors. The inaugural UIL FIRST Division State Champions will host 42 teams in competition Friday and Saturday

In This Issue

- Event Schedule
- Pit Maps
- Load In/Out
- Restaurants
- Banks
- Food Options
- Sponsors

UIL Robotics State Championships *FIRST* Tech Challenge Schedule

6th Annual TRR **July 2016**

THURSDAY, JULY 28TH

- 10:00 AM – Doors Open
- FTC Teams Load In (until 11:45 AM)
- FTC Robot Inspections Begin
- 12:00 PM – FTC Driver's Meeting
- 1:00 PM – FTC Opening Ceremonies
- 1:30 PM – FTC Qualification Matches Begin
- 7:00 PM – FTC Qualification Matches End
- FTC Alliance Selections,
- Selected teams move to Eliminations Pits
- Un-Selected Teams Load-Out

FRIDAY, JULY 29TH

- 7:30 AM – Doors Open
- 8:00 AM – FTC Opening
- Ceremonies/Remarks
- 8:30 AM FTC Eliminations Matches Begin
- 11:00am Matches End
- FTC Awards Ceremonies
- 11:30 FTC Pits Close

The Game: FIRST® RES-QSM is played on a 12 ft. x 12 ft. square field with approximately 1 ft. high walls and a soft foam mat floor. Alliances are designated as either "red," or "blue."

Mountains consisting of alliance-specific climbing areas and goals are located in two corners of the playing field. Alliance-designated Zip Lines extend from the top of the Mountains to the playing field wall.

Two alliancespecific Rescue Beacons in need of "repair" by autonomous robots are located on the playing field perimeter wall. Scoring elements are 14 Climber figurines and 80 Debris in the shape of blocks and spheres. At the start of a match, Debris are randomly located throughout the playing field floor.

Each team starts with up to two Climbers that can be pre-loaded onto their robot. Two randomly selected teams are paired together as an alliance to play one match against a second alliance.

Matches have two distinct periods of play: a 30-second Autonomous period followed by a two minute Driver -Controlled period which includes a 30 second End Game.

UIL Robotics State Championships *FIRST* Robotics Schedule

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FRIDAY, JULY 29TH

- 7:30 AM – Doors Open
- FRC Teams Load In (until 11:00 AM)
- 8:00 AM - FRC Robot Inspection Begins
- 11:30 AM – FRC Driver's Meeting
- 12-1:00 PM - Lunch
- 1:00 PM – FRC Opening Ceremonies
- 1:30 AM – FRC Qualification Matches Begin
- 7:00 PM – FRC Qualification Matches End
- 8:00 PM Doors Close

SATURDAY, JULY 30TH

- 7:30 AM – Doors Open for Teams
- 8:00 AM – FRC Opening Ceremonies
- 8:30 AM – FRC "Q" Matches Begin
- 11:30 AM – FRC "Q" Matches End
- FRC Alliance Selections
- 1:30 PM – FRC Finals Matches Begin
- 4:30 PM – FRC Awards Ceremonies
- 5:00 PM—Competition Ends
- 5:00 PM - Event Tear Down Begins

In *FIRST STRONGHOLD*[SM], two Alliances of three robots each are on a Quest to breach their opponents' fortifications, weaken their tower with boulders, and capture the opposing tower. Robots score points by breaching opponents' defenses and scoring boulders through goals in the opposing tower. During the final 20 seconds of the Quest, robots may surround and scale the opposing tower to capture it.

UIL Robotics
State Championships
FIRST Robotics
Load In/Out

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Load In: Robots will load in the access ramp closest to EH-5 (red arrow)

Pits, Pit Administration, Fields and Bleachers are in Exhibit hall –5

Each Team is required to have their own safety glasses

Check in at Pit Administration for Team Packet.

Maximun of 5 team members in loading area.

Pit Map

FIRST Tech Challenge Pit Map

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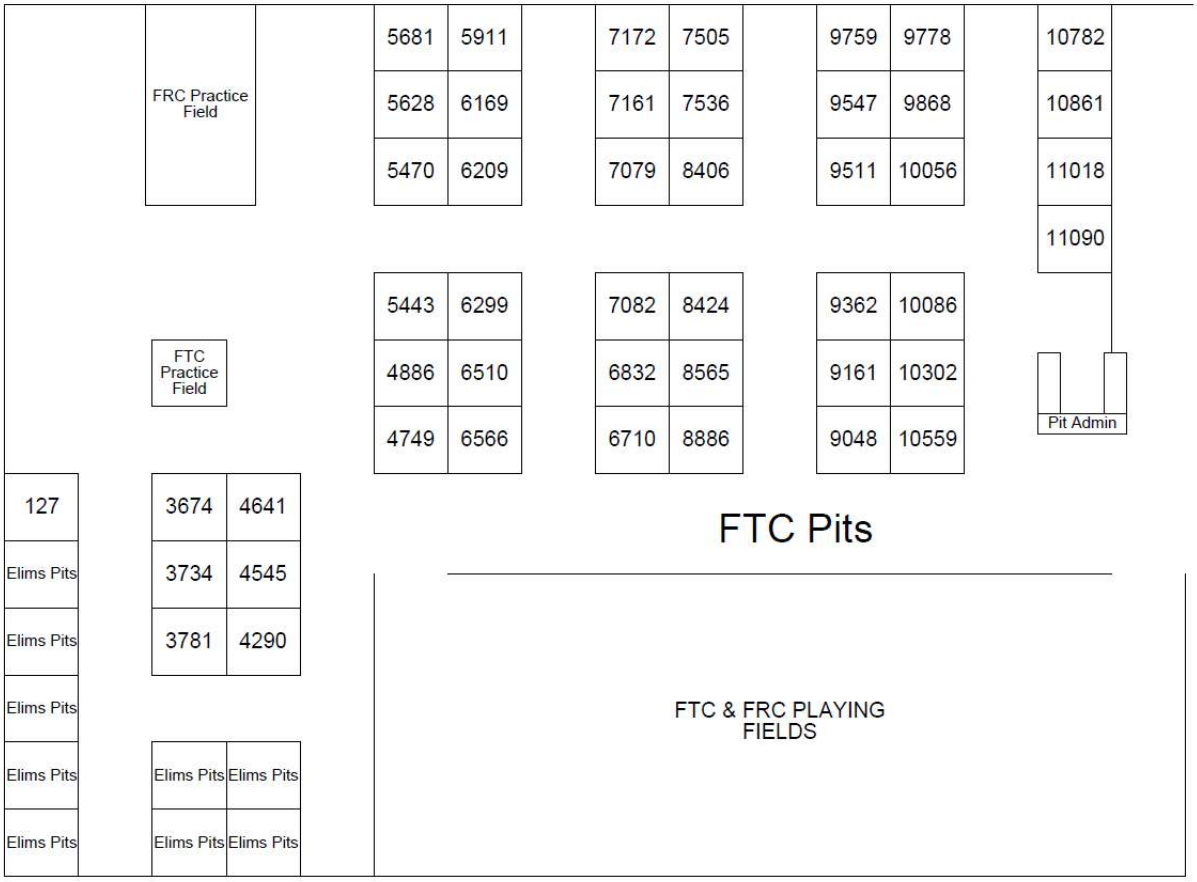

Pit Safety Rules:

Check in with Pit Admin

Safety Glasses, at all times

Closed toed shoes

No Running

Follow Load in/Load Out procedures

Pit Map

FIRST Robotics Pit Map

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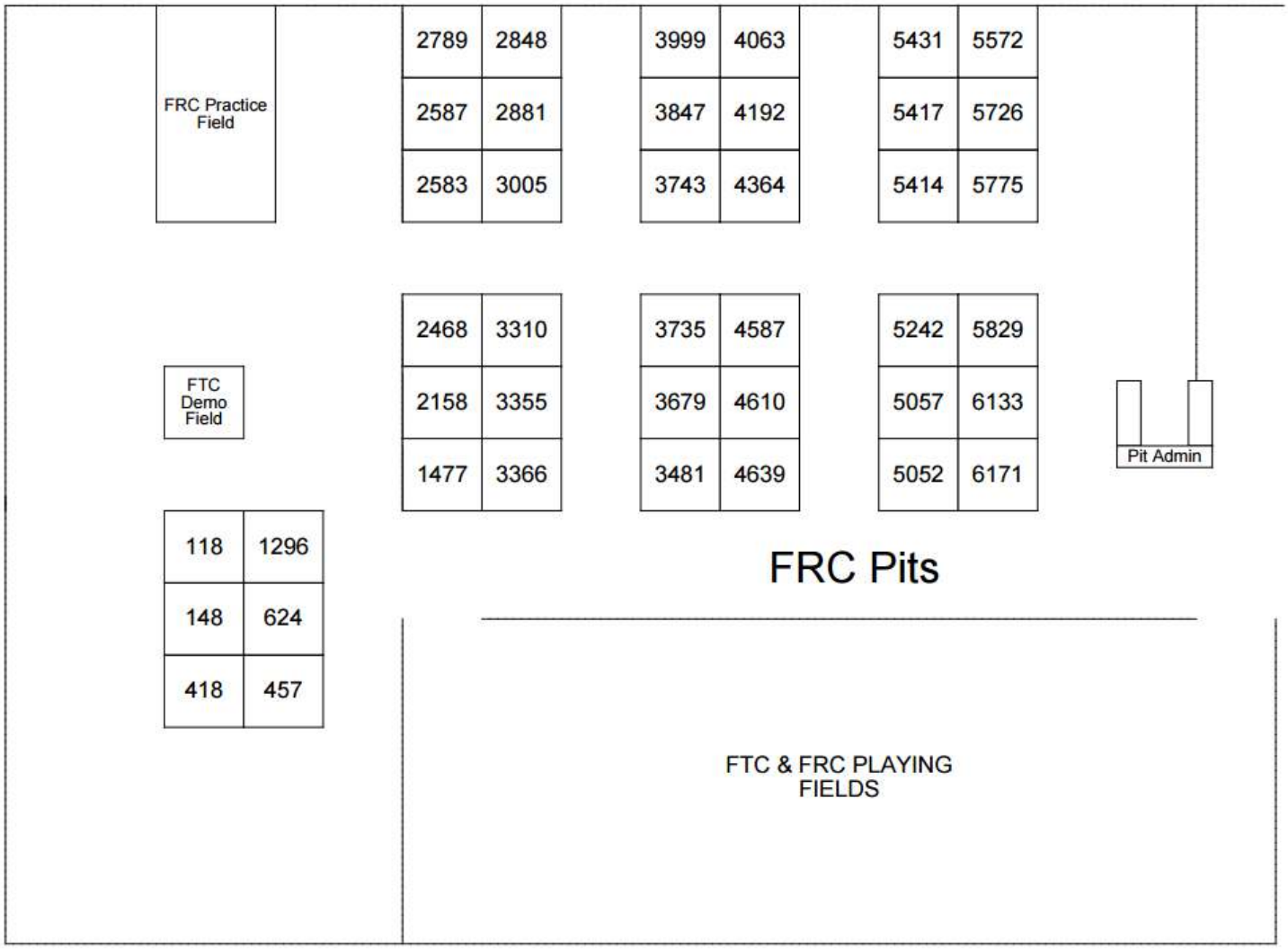

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Restaurants Close to the Convention Center

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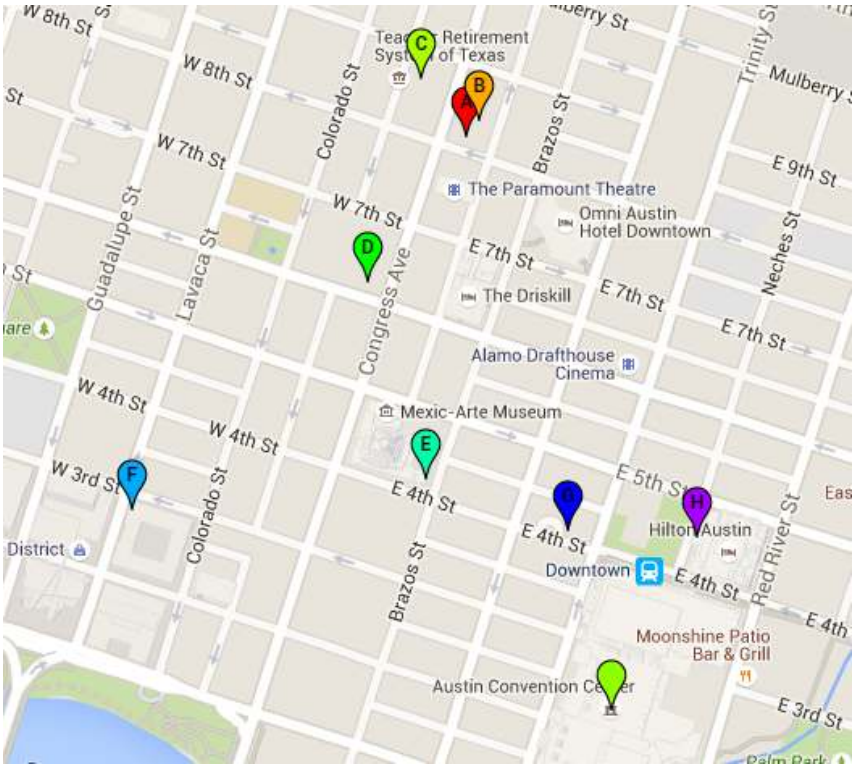

A	Chipotle Mexican Grill	MON-FRI: 11:00 AM - 6:00	801 Congress Avenue, Austin, TX 78701
B	Subway	FRI 7:00 AM- 8:00PM; SAT 8:00 AM-6:00PM	809 Congress Avenue, Austin, TX 78701
C	Jimmy John's	SUN-WED 11am-10pm; THU-	N, 816 Congress Avenue, Austin, TX 78701
D	Starbucks	MON-THU 5:30 AM to 11:00	600 Congress Avenue G270, Austin, TX
E	Taco Shack	MON-FRI 6:30AM-2:30PM;	402 Brazos Street, Austin, TX 78701
F	Which Wich Superior Sandwiches	MON-SAT 10:00 am - 10:00	259 West 3rd Street, Austin, TX 78701
G	Starbucks	EVERYDAY 6:00 AM - 9:00	Courtyard Austin Downtown, 300 East 4th
H	Java Jive on Fifth	THU 6:00 am - 10:00 pm; FRI 6:00 am - 10:00pm; SAT	500 East 4th Street, Austin, TX 78701

Banks/ATMs Close to the Convention Center

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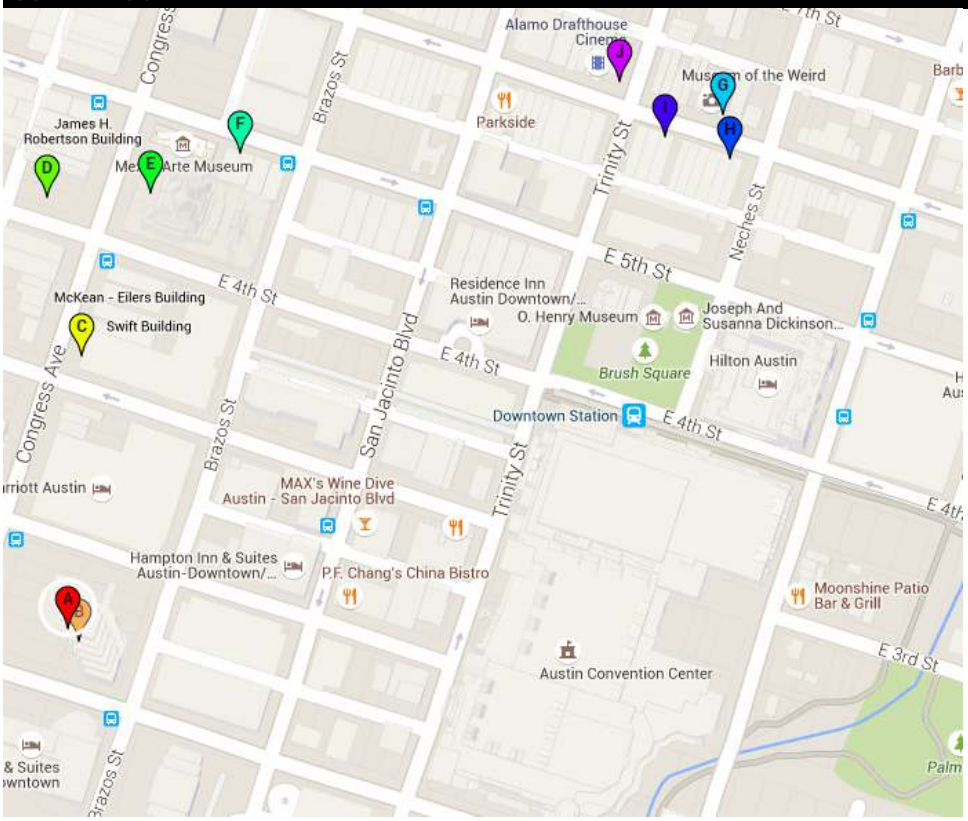

A	Wells Fargo Bank	111 Congress Avenue, Austin, TX 78701
B	ATM (Wells Fargo Bank)	111 Congress Avenue, Austin, TX 78701
C	Guaranty Bank: Downtown	301 Congress Avenue Ste 300, Austin, TX 78701
D	ATM	400 Congress Avenue, Austin, TX 78701
E	Frost Bank Financial Center	401 Congress Avenue, Austin, TX 78701
F	ATM Express	105 East 5th Street #113, Austin, TX 78701
G	ATM Express	416 East 6th Street, Austin, TX 78701
H	Cardtronics ATM	421 East 6th Street, Austin, TX 78701
I	International Merchant Services (ATM)	407 East 6th Street, Austin, TX 78701
J	Cardtronics ATM	606 Trinity Street, Austin, TX 78701

Hotels & Stores Nearby Convention Center

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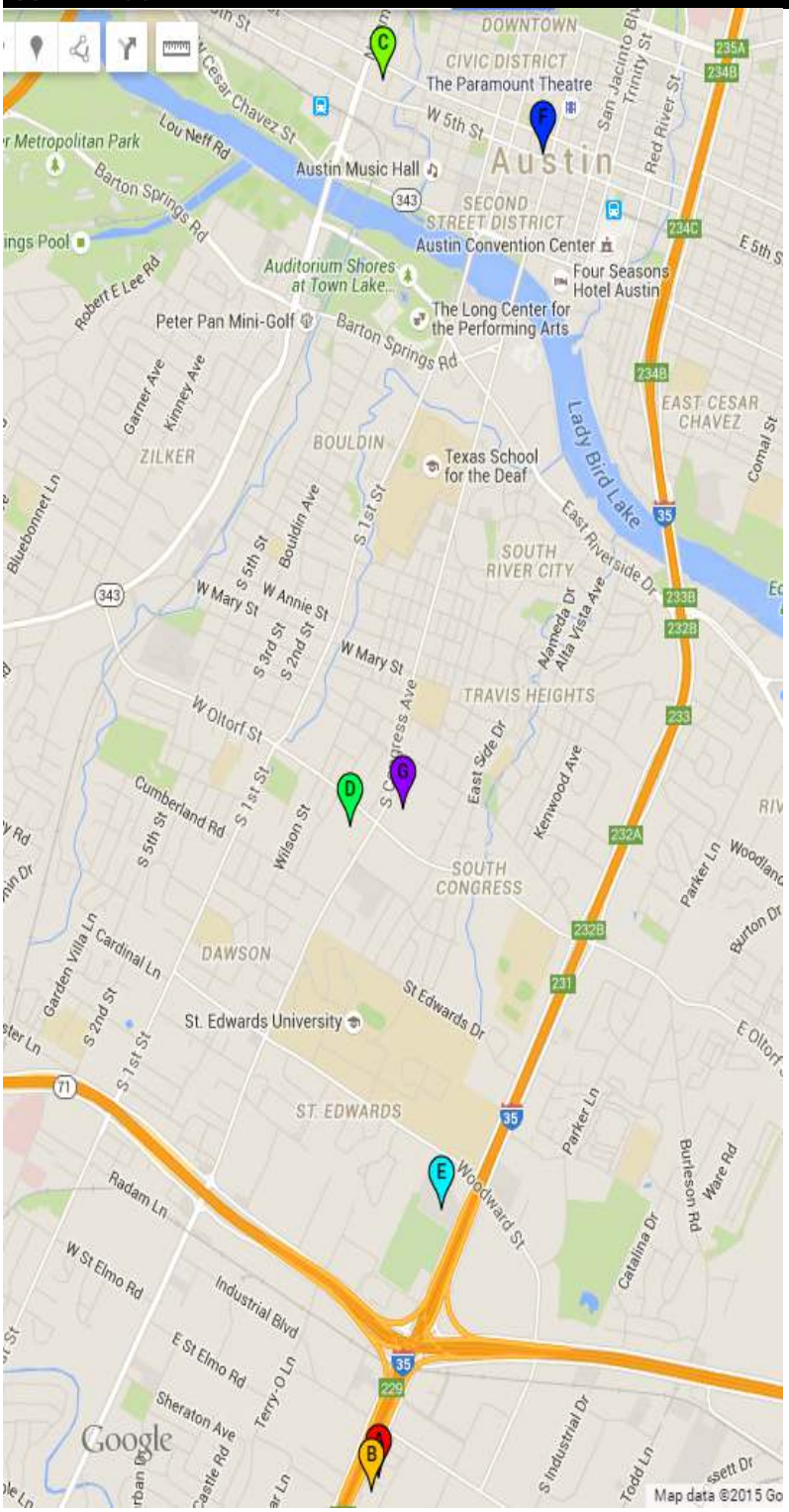

A	Austin Marriott South	4415 South Interstate 35 Frontage Road, Austin, TX 78744
B	SpringHill Suites Austin South	4501 South IH-35, Austin, TX 78744
C	Whole Foods Market	550 Bowie Street, Austin, TX 78703
D	H-E-B	2400 South Congress Avenue, Austin, TX 78704
E	The Home Depot	3600 Interstate Hwy 35 S, Austin, TX 78704
F	CVS Pharmacy - Photo	500 Congress Avenue, Austin, TX 78701
G	CVS Pharmacy Photo	2301 South Congress Avenue, Austin, TX 78704

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"Our heartfelt thanks to the many *FIRST* sponsors, suppliers, alliances and individuals who have helped us make an impact on Texas youth this year. Companies around the world provide generous financial support, donate thousands of employee volunteer hours and hundreds of tons of hardware to make *FIRST* programs possible."

U.S. AIR FORCE

ARM

MOUSER ELECTRONICS

NXP FOUNDATION

NATIONAL INSTRUMENTS