

## Defense Aspect of Chipmaking Makes Intel Success Patriotic Duty

By Chan Cochran

One important aspect of the decision to locate Intel's new chipmaking facility in our backyards hasn't received enough discussion.

That's the national security dimension of the project.

Over the last 30 years, America foolishly allowed manufacturing that is key to the national defense to go offshore. Much of it went to China which is the very nation we may someday be called to defend against.

In fact, we're already in that next war, which is an economic war. China covets our economic power, and the standard of living we enjoy as Americans. Its currency manipulation, barriers to entry for American made goods, and theft of American intellectual property are well documented. It seeks to become the world's leading economic powerhouse, lawlessly and at our expense.

It was frequently said in the wake of World War I and II that America's basic industrial strength was what made the difference between victory and defeat, along with the determination of the American soldier. War material depended on the production of steel for tanks, ships, guns and artillery. It can be credibly argued that those wars were won in the steel mills of Pittsburgh, Youngstown and Cleveland where patriotic and determined Middlewestern workers outproduced Germany and Japan.

Today, the most fundamental basic

industry of the economic war of our time is computer chipmaking. Computer chips are basic not only to large computers, but to cellphones, vehicles, navigation and weapons systems, and even ordinary consumer goods like coffee pots and home alarm systems.

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As we've learned to our chagrin, our inattention to chipmaking has led us to a worldwide chip shortage that has slowed manufacturing, including the manufacture of American cars and vehicles. We lack chips for simple consumer goods, never mind demands that national defense will place on our chip supply as China becomes even more aggressive.

Under CEO Pat Gelsinger, a great American company that has been asleep in terms of its strategic outlook has now sprung back to life. Intel seeks to move at warp speed to rectify the American chip supply imbalance that exists between us and our rivals. Our Congress isn't moving that fast, but appears nearly ready to pass the Chip Act which is essential to Intel and chipmaking generally.

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## Findings from the Licking County Mission Trip to Chandler, Arizona

By Jennifer McDonald, President & CEO of  
the Licking County Chamber of Commerce

Earlier this May, the Licking County Chamber of Commerce joined a mission trip to Chandler, Arizona to learn more about Intel and its impact on the Chandler area. The participants on the trip included economic development professionals, elected officials, and business leaders - both public and private sector - and regional representatives from throughout the entire county.

We met with our counterparts in Chandler - elected and appointed leaders of the community, from various disciplines and organizations. They stated that Intel is the largest employer

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## Have Questions?

The Welcome Intel Task Force has many of the same questions you do, and the **Insight** will do its best to help. Please send your questions via: [WelcomeIntel.com/news](https://www.welcomeintel.com/news).

We'll get authoritative answers as soon as we can be certain of the information. Please note we expect literally thousands of questions and information on some topics, such as schools and future growth plans, just aren't available yet.

## Defense Aspect *Cont'd from page 1*

The great compliment to us in Licking County is that just as the nation turned to the Heartland in the hot wars of the last century, it is now turning again to the Heartland to produce the strategic goods – chips – to win the economic war we are now fighting.

When the chips are down, Gelsinger knows that plain-spoken, hardworking, patriotic Midwesterners will get the job done, and he's put \$20 billion of company money behind that belief.

His money's safe. We'll get it done because it's vital to our nation. It's who we've always been, and it's who we are today.

*(Cochran, a Viet Nam veteran and career communications professional in Columbus, now resides in Newark where he is a member of the Welcome Intel Task Force.)*

### Licking County National Security and Defense Important Work

This is a quick summary of existing manufacturing-related work located in Licking County which is tied to important work for national security and national defense.

**Missiles and Aircraft** – Boeing guidance systems serve the strategic deterrence fleet.

**Metals** – Kaiser Aluminum heavy alloy aluminum used in defense and armaments.

**Testing Labs** – MISTRAS Group performs non-destructive testing of materials for missiles and space.

**Metrology** – Bionetics operates the largest of the Pentagon standards laboratories for U.S. Air Force.

**Armor** – Tencate and ArmorSource provided composite armor and military helmets.

**Semiconductors** – Momentive Performance manufactures silicon quartz crucibles and tubing.

## Thornwood Drive Corridor Improvements to Help Provide North-South Intel Route

By Brian Morehead, City Engineer, City of Newark

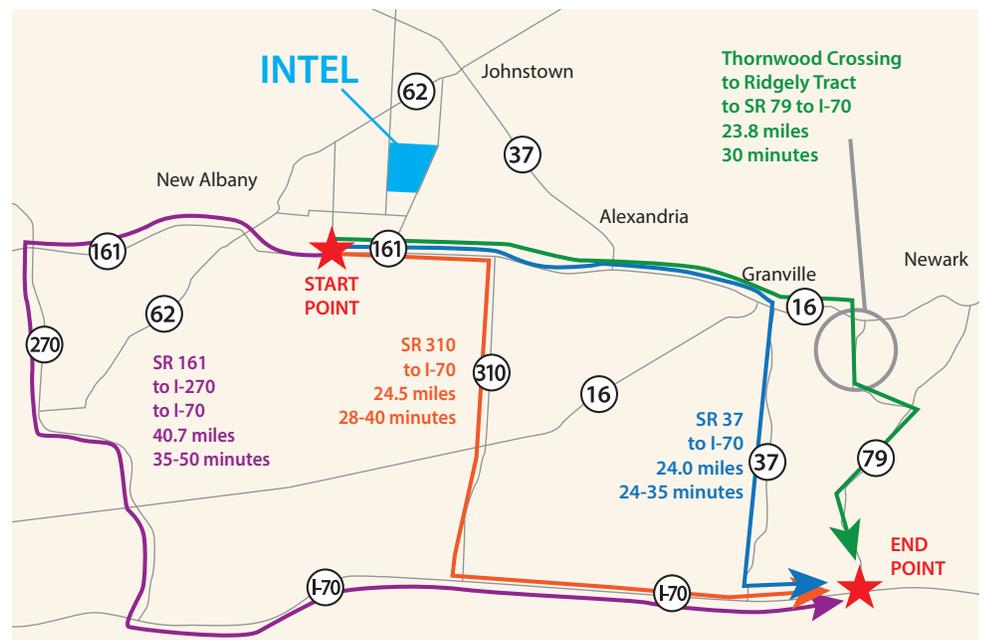
The City of Newark and the Licking County TID (Transportation Improvement District) recently applied for construction grants for the improvement of Thornwood Drive south of the proposed new bridge over Raccoon Creek. The proposed bridge is late in the design stages with construction proposed beginning next summer. The existing 175 year old stone arch bridge on Cherry Valley Road has far outstripped its useful service life. Next in line after “The Bridge” is an improvement project known as “The Hill” which includes the Main St/James Rd intersection and the steep approach grade to the north. In addition to fixing the deficient road grades, the pavement would be replaced and the 2-lane narrow roadway would be widened. The south end of the 0.75 mile long project is at Faye Drive. The Bridge and The Hill are part of a series of 7 projects along Thornwood drive connecting SR 16 Thornwood Crossing interchange to the I-70 / SR 79 interchange.

The Thornwood Drive Corridor not only connects SR 16 and I-70 but also

serves one of the largest concentrations of manufacturing space in all of Ohio. The Corridor provides workforce and freight access for five industrial parks- McMillen, Central Ohio Aerospace & Technology Center, Mid-Ohio Industrial Park, Seminary Ridge Business Park, Newark Ohio Industrial Park and over 11 million square feet of industrial space.

There is also a connection to Intel. Surprisingly, the Thornwood corridor is the shortest distance between the Intel site and the intersection of I-70 at SR 79. As seen on the map below, trips during certain times of the day have shorter travel times if Thornwood Drive is used for the north leg of the trip versus I-270, SR 310 or SR 37. The pending construction and road realignment of the Thornwood Crossing bridge will further reduce travel times. Besides serving the manufacturing corridor traffic, this project would also accomplish Licking County's goal to find an adequate north-south route to/from Intel and I-70 east.

Travel routes, mileage and times for southeast bound traffic from Mink Street to I-70 at SR 79



## Findings *Cont'd from page 1*

in the area, but it's not a "one-company town." Chandler has many other corporate headquarters – financial institutions, healthcare companies and IT-related businesses, to list a few. Some major takeaways from the community meetings and overall demographics included the following:

- Population growth has jumped from 30,000 in 1980 when Intel was established to 280,000 in 2020.
- Chandler is known as "global tech revolution". The average household income is \$114,000 and 23% work in high-tech industries.
- Chandler has a very intentional road map for growth – they focus on bringing in export businesses and growing and retaining high wage jobs. They have targeted industries,

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*The average [Chandler] household income is \$114,000 and 23% work in high-tech industries*

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including: automotive technology, aviation and aerospace, advanced business, healthcare, high-tech manufacturing, and IT/software.

I also took the opportunity to ask a few "locals" for their take on the community, its growth over the past decade, and how they felt about Intel. The feedback I received was extremely positive and consistent.

The last part of our trip included a bus tour of the Intel facility and construction site. On two sides of the facility were alfalfa fields – one, a Native American reservation farmland. On the other two sides were a retirement village and an upscale subdivision – a surprising mix, which speaks to the company's commitment to be a "good neighbor." Intel also provided a wealth of information about what we may expect locally, including:



*The Licking County Chamber-led mission trip contingent at Intel's Chandler, Arizona plant. Chamber CEO Jennifer McDonald and Chamber Vice-President Brittany Misner are fifth and fourth from the right in the front row.*

- Since 2016, Intel and its Foundation have given \$34 million to schools and nonprofit organizations.
- Intel is extremely involved in STEM projects with high school students.
- Intel in Chandler currently has 12,000 employees, \$4.9 billion in labor, supports 55,000 jobs within the region, and is investing in \$20 billion in future development.
- Most of Intel's suppliers are within a 30-minute drive. Intel scores its suppliers – not only on product, price, and service – but also on how much they give back to the community.
- Intel has a "Community Advisory Board" and will have one in Licking County, comprised of business leaders and elected officials.
- Once Intel is up and running in Licking County, the company will actively engage with elected officials and nearby community members.
- Intel assesses the community needs, and will volunteer and help fund the most urgent needs.

- Locally, Intel intends to hire: 70% technicians, 25% engineers and 5% support. 50% of the hiring will be done in 2023-2024. The company supports diversity and inclusion and often hires veterans.

This mission trip was important to me and our community leaders – to better understand how we can assist Intel's needs, but also to understand its impact on the community. This will enable us to be better prepared to guide development planning and land-use throughout Licking County.

*Intel Octollio plant and surrounding area in Chandler, AZ*



*Photo provided by Maricopa County Assessor*

W E L C O M E

# IntelInsight

Fact-Based News, Views and Updates on Intel's Impact in Licking County

JUNE 2022 | From the Welcome Intel Task Force | Focused on a smooth landing for Intel and great opportunities for Licking County!

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**Welcome Intel Task Force**

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## Q&A

*The Welcome Intel Task Force has many of the same questions you do. We commit. We'll get authoritative answers just as rapidly as we can.*

**Q: Where is the wastewater going?**

**A:** The City of New Albany contracts with the City of Columbus to provide water treatment service. The Intel project site will discharge to Columbus' Southerly Wastewater Treatment Plan which has an average daily design flow of 114 million gallons per day. Additionally, Intel will build a water reclamation facility at the site.

**Q: What about the impact on already crowded schools?**

**A:** Johnstown-Monroe Schools are part of a long-standing tax sharing arrangement that promises a revenue stream from the development at Intel and surrounding properties regardless

of the number of students taken in as a result of growth.

Of course, the number of students entering a given school or district will depend on factors that are hard to know or attempt to predict right now. Intel is projecting 3,000 employees with the first two fabs. It's projected that 70% of those are "technicians" and, many predict, will come from the sort of manufacturing and trade skilled positions that are already a part of our community's existing workforce and pipeline of the future workforce.

**Q: When will the Licking County TID traffic study start and when will it be completed?**

**A:** The Licking County Transportation Improvement District (TID) will learn by late June the funding decisions on the traffic study which is the trigger for starting. It should take two months to complete. Meanwhile, funding requests for engineering and for construction are already being sought from state and federal sources. The Welcome Intel Task Force has encouraged public involvement in the traffic study and will report results in future Insight editions.

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