

Partner activation and validation brief

A current, testable path from synthetic interfaces to authorized Minneapolis curbs, report, parking-provider, operations, and resident-delivery validation.

THE REQUEST

One cross-functional activation workshop and named owners for six bounded tracks: authoritative curb/CDS data, temporary restrictions and field corrections, official report acknowledgement/status, parking-provider sessions, signed operational curb events, and resident/fleet pilot acceptance.

Prepared for Minneapolis SMART curb and Public Works program owners; Traffic and Parking Services; Minneapolis 311; Information Technology, cybersecurity, identity, data-practices and records staff; Procurement/Risk; MPRB; Hennepin County transportation/GIS; City-selected platform and payment providers; and prospective accessibility, community, fleet, and managed-operations partners.

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Prepared July 19, 2026 for non-binding discovery. This version supplements, but does not rewrite, the historically sent July 16-17 outreach. It does not claim City endorsement, data-use authority, production service, or a contract.

1. The accountable outcome

Curbito is the resident, household, reporting, and operational action layer between street-level systems and people who need to act. It combines source authority, time, geometry, freshness, corrections, notification policy, official receipts, support, privacy, accessibility, and training into one conservative decision spine.

A prototype screen can be built quickly. A public service still needs accountable source ownership, authorized interfaces, GIS reconciliation, field correction, security, records, accessibility, uptime, incident response, support, training, measurement, and a contractor responsible for delivery. Curbito's proposed value is the completed and operated outcome - not the number of hours needed to draw the interface.

Three user outcomes

- Act now: a verified current restriction or urgent street event calls for immediate action.
- Plan ahead: a confirmed future curb, collection, construction, or service event has a useful lead time.
- Report something: one guided resident submission reaches the correct official route and remains honest about acknowledgement and status.

Boundaries

- Curbito does not issue or cancel citations, direct or delay towing, replace posted signs, create policy, hold card data, or promise parking legality.
- Unknown, stale, nearby, incomplete, synthetic, or failed source checks cannot become an all-clear.
- Private or operational integrations remain inactive until the responsible City/provider owner authorizes a written least-data path.
- The City and its authorized systems remain the source of law, policy, enforcement, service cases, and official status.

A useful procurement test is therefore not 'can someone code a screen?' It is 'who can connect, operate, support, measure, correct, and stand behind the complete service under the City's rules?'

2. Implemented and locally evidenced

Capability	Implemented boundary	Still needed for production GREEN
CDS / curb inventory	CDS 1.1 consumer, strict conformance fixtures, version/freshness/geometry/reference gates.	Authorized endpoint, credentials, City QA owner, sampled block acceptance, hosted load/SLA.
Curb decisions	Traceable receipt identifies source, rule, time, geometry, freshness and verified alternative.	City policy corpus, adjudication owner, replay and operational acceptance.
Field reconciliation	Bounded evidence, discrepancy taxonomy, review states, official correction receipt contract.	Work-order/sign feed, correction endpoint, reviewer and retained round trip.
Official reports	Open311-oriented preparation, receipt-required delivery state, status ordering, retry identity, duplicate/rate controls.	Approved taxonomy/fields, endpoint/credentials, real acknowledgement/status and records review.
Real-time curb events	Signed synthetic occupancy/sign-policy events, replay/conflict/quality controls, resident alerts technically disabled.	Authorized sensors/vendor, calibrated hardware, inventory, SLA and City acceptance.
Parking provider	Ten-scenario zone/session sandbox and signed callbacks; no cards or automatic charge.	Exact provider inventory, sandbox, checkout, callbacks, reminder rules and receipt.
Operations / fleet	Role queues, scenarios, audit, exports, 50-stop manifests and route-neutral handoff without trip trails.	SSO/MFA, live inputs, fleet/routing partner, operator and production performance acceptance.
Mobile / training	Founder gate 7/7, remote pause, fail-closed connectivity, scored synthetic training and handoff docs.	Exact-build phone/accessibility/language/store/drill evidence and invited users.

Lifecycle label

The decision/API/training capabilities above are implemented and testable in a synthetic or founder environment. Externally gated rows remain YELLOW until the named authority, live input, reviewer, and retained acceptance receipt exist. No email, packet, code file, or demo changes that rule.

3. Activation owner matrix

Owner	Exact decision or access requested	Controlled test / GREEN evidence
SMART curb / Public Works / platform owner	Approved CDS 1.1 or documented curb inventory/policy endpoint, credentials, version/freshness terms and QA owner.	Selected blocks ingest in shadow mode; conformance, block QA, correction replay and authorized endpoint load evidence.
Obstruction / ROWay / temporary-sign owner	Read-only current/upcoming restriction feed with effective time, side/block geometry, version, correction and cancellation.	Posted/digital comparison; mismatch routed; official correction ID and authoritative replacement event.
Minneapolis 311 / service owners	Approved taxonomy, required fields, receipt/case/status route, abuse and records rules.	One or two synthetic categories, then authorized non-emergency cases; one submission, authority receipt, ordered status, visible failure.
IT / security / identity / data practices	Security intake, classification, retention, SSO/MFA, incident, export and support rules.	Control review, nonproduction role test, records decision, incident and rollback exercise.
Parking Services / City-selected provider	Exact zone/space, session lookup, provider checkout/deep link, signed callbacks and reminder ownership.	Selected-zone sandbox; exact match, explicit checkout, callback receipt, no duplicate reminder, restriction overrides payment.
Enforcement/tow owner and vendor	If lawful/useful, signed least-data design for explicitly enrolled vehicles only.	Synthetic exchange first; classification, authority, correction/cancel, audit and support ownership before any production event.
MPRB / Hennepin transportation-GIS	Road/parkway owner, public project/event/closure source and report route.	Selected Minneapolis segments; correct jurisdiction, freshness, routing and correction owner.
Community access partner	Priority tasks/languages, recruitment, accommodations and acceptance method.	Representative exact-build sessions, issue correction and signed acceptance evidence.
Fleet/routing partner	Named use cases, route sandbox, role mapping and success measures.	Verified conflicts handled before departure, operator acceptance and production latency/false-decision evidence.

4. Minimum technical contracts

Authoritative curb / CDS

Stable zone and policy IDs; schema/version and update time; exact curb geometry and side; use class; effect and priority; effective time; rate, permit, payment and maximum-stay terms; authority/source URL; correction/cancellation; freshness, rate-limit and deprecation policy.

Temporary restrictions and field corrections

Public-safe restriction ID/reason/status; start/end/time zone; affected block face or curb segment; sign-posted timestamp when maintained; last update/version; official correction ID; authoritative event ID; reviewer and ordered status callback.

Official reports

Approved category/service code; eligibility and required fields; media rules; receipt/case ID; ordered status; correction/rejection reason; records retention; duplicate/abuse behavior; support owner. Curbito never labels an attempt delivered before the authority acknowledges it.

Operational curb events

Signed event ID, one-way zone token, event type/state, observed/effective time, quality/calibration, correction/cancellation and version. Synthetic events remain barred from resident alerts.

What Curbito does not need

- Applicant or contractor contacts, private comments, reviewer notes, credentials or security configuration.
- Unrestricted plates, VINs, faces, photos, owner/DMV records or bulk enforcement histories.
- Truck GPS, tow-truck route, officer trail, continuous worker or resident movement history.
- Card data, silent payment authority, guessed meter space or a competing merchant-of-record role.
- Internal 311 notes or fields outside the resident-authorized service workflow.

Preferred transport

Documented HTTPS JSON/GeoJSON, CDS, ArcGIS Feature Service, scheduled signed export, or signed webhook; initial snapshot plus incrementals or ETag/Last-Modified polling; explicit authentication, rate limits, schema/version notices, correction semantics, service owner and incident contact.

5. Acceptance workflows

Workflow	Acceptance path	Failure honesty
Curb source	Official policy enters approved endpoint, passes conformance, maps to correct block/time and produces traceable decision.	Stale, missing or ambiguous input remains unknown/context.
Posted mismatch	Field evidence opens review; owner returns official correction identifiers; corrected authoritative event is replayed.	Photo/observation cannot publish policy or alert users directly.
Resident report	One report reaches correct authority, returns receipt/case ID and changes status in order.	Attempt, queued, failed, rejected and delivered remain distinct; retries stay idempotent.
Parking provider	Exact zone/session; explicit provider checkout; signed callback; current restriction takes priority.	No guess, auto-charge, card storage, or duplicate provider reminder.
Fleet	Verified conflict found before departure; accepted alternative or do-not-dispatch; audit ID retained.	No worker trip trail or invented time/money savings.
Release / incident	Exact candidate passes code/device/accessibility gates; unsafe capability can be paused, rolled back and reverified.	Evidence preserved; no silent release widening or unsupported pass label.

Evidence already retained

- 51 native automated tests plus typecheck and lint; founder release gate 7 of 7.
- Public web/API build and lint; CDS, decision, field, report, signed-event, provider, operations, training and lifecycle test suites.
- 5,000-stop synthetic local fleet exercise; 19-migration synthetic lifecycle/restore/retention exercise with 12 assertions.
- Control-gap, privacy/security/records, incident/continuity, accessibility/language, staffing, pricing, SOW and procurement-readiness materials.

Local evidence proves the implemented boundary only. It is not City acceptance, a penetration test, an accessibility certification, a provider SLA, production scale, or a measured public outcome.

6. Field Validation Incident 001

On July 19, 2026, a North Minneapolis block had temporary no-parking signs for Monday seal coating from 7:00 AM to 4:30 PM. Curbito's current public digital sources did not expose a dependable block-level event in time to notify the enrolled user.

This is not presented as City failure or as proof that a specific unpublished feed exists. It is a bounded example of the gap the pilot should measure: the posted field state, permit/work-order record, public digital state, correction path, and resident delivery layer must reconcile.

The implemented Curbito workflow

- Capture bounded evidence from the sign and block context without exposing the resident's home in an outreach packet.
- Match the observation to a digital zone/event only within strict time and distance limits.
- Label missing/conflicting state as a discrepancy, not as a new restriction or an all-clear.
- Route the discrepancy to the authorized owner and wait for official correction and event identifiers.
- Replay the corrected event through normal source, time, geometry, freshness and alert-eligibility gates.
- Retain status/audit evidence and use the result to improve source coverage and pilot measurement.

Private evidence handling

The original files and hashes remain in the project evidence package. Public material uses only the block-level narrative needed to demonstrate the source gap. A field photo never becomes authoritative policy by itself, and a resident alert cannot be generated from an unresolved observation.

Pilot question

For selected temporary restrictions, can the City and Curbito prove when the work/permit became official, when signs were posted, when the digital event became available, whether block-side geometry was correct, when Curbito ingested it, and whether the intended user received one timely action notice?

7. Release, privacy, and operating controls

Control	Implemented now	Activation evidence still required
Truth and freshness	Fail-closed confidence, decision receipts, source health and no false all-clear.	Approved source thresholds, correction owner and live corpus.
Runtime rollback	Public config plus global/per-feature server and mobile pause enforcement.	Timed production drill and named incident authority.
Mobile release	Founder gate passed 7/7; code follows system Reduce Motion.	Exact-build background, push, weak signal, VoiceOver, text, contrast and touch evidence.
Privacy/deletion	Least-data contracts, encrypted private fields, short sessions, deletion and lifecycle exercise.	City classification, records schedule, legal hold, provider-level restore and independent review.
Identity/access	Application roles, capability checks, one-way actor audit reference.	Enterprise SSO/MFA, provisioning/deprovisioning and periodic review.
Support/incident	Guided support, missed-alert path, incident and continuity plan.	Staffing/on-call hours, City contacts, SLA, tabletop and resident communication approval.
Accessibility/language	Plain-language plan, screen-reader labels, reduced-motion behavior, manual gates.	Qualified audit, priority languages, professional translation/community QA and remediation acceptance.
Training/exit	Role guide, eight scored exercises, acceptance sheet and transition checklist.	Named trainees, completed exercises, recordings, handoff drill and written acceptance.

Founder-only is not public-pilot ready

The founder-internal build may continue within its bounded gate. Invited iPhone status remains blocked at 7 of 16 until fresh physical-device and accessibility evidence exists. City-public status adds language, store privacy, incident and rollback requirements. The packet does not erase those blockers.

8. Proposed validation and measurement

Phase	Scope	Exit decision
1. Discovery and design	Named owners, classification, source/interface review, security/records/accessibility plan and acceptance corpus.	Approved issue/owner matrix and test plan, or a documented no-go/teaming path.
2. Shadow validation	Public or authorized nonproduction data, selected blocks/categories, no user decision from unapproved inputs.	Source/conformance/field/report/pr ovider acceptance evidence reaches agreed thresholds.
3. Controlled invited pilot	Exact candidate, limited geography/users, approved source(s), support/on-call and measured outcomes.	Expand, correct, narrow or stop based on precision, coverage, accessibility, service and trust.
4. Production decision	Contracted scope, enterprise controls, operations, reporting, training and transition.	Written acceptance, phased scale, bounded module/teaming, or no-bid/no-launch.

Measures that can be defended

- Verified source coverage, freshness, geometry match, corrections and decision precision/unknown rate.
- Useful alerts, suppressed duplicates/noise, notification opt-out and acknowledged behavior change.
- Official report acknowledgement, routing accuracy, duplicates, failure honesty and case status where authorized.
- Fleet conflicts found before departure, operator decisions and unknown/false-decision/latency behavior.
- Accessibility/language task completion, support response, complaints, privacy requests and deletion success.

Claims that require real pilot evidence

Curbito will not fabricate dollars saved, City staff savings, citations/tows prevented, miles/time saved, safety outcomes, production capacity or equity outcomes. Those require an approved baseline, measurement method and real participants.

9. Decisions requested at the first workshop

- Name the City program/product owner and technical/data owner for each activation track.
- Confirm whether Curbito should participate as prime, bounded module, subcontractor, public API consumer, or resident-delivery partner.
- Identify the released RFP/event and every attachment that controls procurement and acceptance.
- Select one curb/restriction source and one report/service workflow for shadow validation.
- Provide approved security, data-practices, records, identity, accessibility/language, support, insurance and pilot intake paths.
- Agree on a written issue/owner/decision log and evidence required to move each track from YELLOW to GREEN.

Suggested 60-minute agenda

Minutes	Topic	Decision
0-10	Program scope and procurement path	Prime/module/teaming route and opportunity owner
10-25	Source and interface ownership	First curb/restriction and report workflow
25-40	Security, records, identity and accessibility	Review owners, intake forms and gating evidence
40-50	Shadow test and acceptance	Locations/categories, fixtures, thresholds and dates
50-60	Actions	Owner/date log and next review

Live review surfaces

- Public product and readiness overview: <https://curbito.com>
- Synthetic City workflow: <https://curbito.com/partners/portal>
- Synthetic property/fleet workflow: <https://curbito.com/partners/operations>
- Synthetic operator training: <https://curbito.com/partners/training>

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This brief supports discovery only. It does not create a contract, City endorsement, data-use authority, enforcement role, service-level commitment, or production integration approval.